Abell 76

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	0 39 26.2	+06 43 59	34	0.04	65	12.7	13.7
2	0 38 54.6	+07 03 33	31	0.76	178	12.8	14.2
3	0 39 55.9	+06 50 50	33	0.12	77	13.2	14.1
4	0 39 33.3	+06 48 50	23	0.25	118	13.3	14.0
5	0 40 30.4	+06 54 58	25	0.25	111	13.4	14.2
6	0 39 04.4	+07 29 28	23	0.19	106	13.5	14.1
7	0 39 05.2	+06 01 10	21	0.59	87	13.5	14.6
8	0 40 27.9	+06 43 07	23	0.01	14	13.7	14.3
9	0 39 15.6	+06 41 14	14	0.20	61	14.1	14.4
10	0 40 29.0	+06 23 35	13	0.09	106	14.2	14.5
11	0 40 21.5	+07 00 51	14	0.17	151	14.2	14.5
12	0 42 21.0	+07 25 57	10	0.15	51	14.3	14.3
13	0 38 45.9	+06 27 59	13	0.07	49	14.3	14.6
14	0 40 44.6	+06 33 29	15	0.09	34	14.3	14.7
15	0 39 28.2	+06 51 30	14	0.23	142	14.4	14.6
16	0 42 28.1	+06 08 37	8	0.81	87	14.4	14.2
17	0 38 49.7	+06 46 36	11	0.47	43	14.5	14.6
18	0 39 01.6	+06 48 46	14	0.16	155	14.5	14.9
19	0 40 41.9	+06 10 25	11	0.19	113	14.5	14.6
20	0 38 17.8	+06 08 21	10	0.65	28	14.5	14.6
21	0 40 02.7	+07 12 13	12	0.41	60	14.6	14.8
22	0 39 36.0	+06 39 46	13	0.06	120	14.6	14.8
23	0 40 17.0	+06 53 05	10	0.34	147	14.6	14.7
24	0 40 19.7	+07 00 42	13	0.30	99	14.6	14.8
25	0 40 44.4	+06 09 59	11	0.52	178	14.6	14.7
26	0 36 43.1	+06 22 08	9	0.51	72	14.7	14.7
27	0 38 41.9	+07 17 15	12	0.44	76	14.7	14.9
28	0 39 30.4	+07 08 44	12	0.20	98	14.7	14.8
29	0 40 37.7	+06 40 55	9	0.51	59	14.7	14.7
30	0 40 46.0	+06 50 46	11	0.11	79	14.8	15.0
31	0 39 41.1	+06 45 18	12	0.38	118	14.8	15.0
32	0 40 34.0	+06 45 05	11	0.21	176	14.8	15.0
33	0 39 15.2	+06 24 17	12	0.64	62	14.8	15.0
34	0 40 13.5	+07 10 05	9	0.55	155	14.8	14.9
35	0 41 05.8	+06 09 39	13	0.79	51	14.8	15.1
36	0 37 45.1	+06 13 22	10	0.53	176	14.9	15.0
37	0 40 52.6	+07 24 29	8	0.13	156	14.9	14.9
38	0 40 21.5	+06 50 36	14	0.31	148	14.9	15.1
39	0 40 25.3	+07 24 32	9	0.10	163	14.9	14.9
40	0 40 59.1	+06 43 09	12	0.50	33	14.9	15.1
41	0 39 16.2	+06 42 43	11	0.06	0	14.9	15.1
42	0 38 27.6	+06 39 28	9	0.34	40	15.0	15.0
43	0 38 28.7	+06 41 08	12	0.17	4	15.0	15.2
44	0 39 16.9	+06 34 11	15	0.27	64	15.0	15.3
45	0 38 35.6	+06 26 11	12	0.45	25	15.1	15.4
46	0 41 33.6	+07 24 18	9	0.18	39	15.1	15.1
47	0 40 42.3	+06 51 17	10	0.31	147	15.1	15.2
48	0 40 16.9	+06 37 35	9	0.45	132	15.2	15.2
49	0 40 33.1	+06 41 21	9	0.14	138	15.2	15.2
50	0 39 43.3	+06 44 04	8	0.22	38	15.2	15.2

Abell 76

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	0 38 24.8	+06 05 57	11	0.16	144	15.2	15.4
52	0 38 30.6	+07 25 50	11	0.34	96	15.2	15.3
53	0 41 14.6	+06 50 14	9	0.78	120	15.2	15.2
54	0 37 46.4	+06 13 35	10	0.31	26	15.3	15.4
55	0 37 21.0	+06 06 44	9	0.09	95	15.3	15.4
56	0 39 05.0	+06 42 41	11	0.33	57	15.3	15.5
57	0 39 23.2	+06 35 31	12	0.29	141	15.3	15.6
58	0 42 11.9	+07 05 45	10	0.55	155	15.3	15.4
59	0 38 34.8	+06 35 22	8	0.60	45	15.3	15.3
60	0 40 56.2	+06 37 39	8	0.17	1	15.3	15.2
61	0 40 14.0	+06 52 10	11	0.27	7	15.3	15.5
62	0 38 54.8	+07 02 48	11	0.56	47	15.3	15.4
63	0 39 53.3	+06 46 43	10	0.45	43	15.3	15.3
64	0 40 19.6	+06 46 58	11	0.52	112	15.3	15.5
65	0 42 12.3	+07 21 13	8	0.15	86	15.4	15.4
66	0 40 06.5	+06 57 51	10	0.51	129	15.4	15.5
67	0 41 59.0	+06 48 40	10	0.39	164	15.4	15.4
68	0 40 06.9	+06 55 07	8	0.17	121	15.4	15.4
69	0 37 22.2	+06 50 32	13	0.30	152	15.4	16.0
70	0 37 36.1	+06 23 44	10	0.16	31	15.4	15.4
71	0 38 23.7	+07 02 18	9	0.20	59	15.5	15.6
72	0 39 31.8	+06 41 27	9	0.19	164	15.5	15.6
73	0 40 26.4	+06 44 43	9	0.22	163	15.5	15.5
74	0 39 30.2	+07 24 31	9	0.24	131	15.5	15.5
75	0 38 44.2	+06 08 45	9	0.14	81	15.5	15.5
76	0 41 05.1	+06 47 42	11	0.55	40	15.5	15.7
77	0 39 48.8	+07 24 28	11	0.17	177	15.6	15.9
78	0 40 12.5	+07 24 38	9	0.25	89	15.6	15.6
79	0 38 17.3	+07 03 44	10	0.66	146	15.6	15.7
80	0 40 28.1	+07 00 55	10	0.38	114	15.6	15.6
81	0 40 54.8	+07 10 17	9	0.16	168	15.6	15.6
82	0 41 40.2	+07 18 08	10	0.07	86	15.6	15.7
83	0 37 45.8	+07 23 36	8	0.26	165	15.6	15.6
84	0 40 30.5	+06 57 06	10	0.22	155	15.6	15.6
85	0 42 25.7	+07 07 25	8	0.31	136	15.6	15.6
86	0 39 55.7	+06 28 47	8	0.53	124	15.6	15.6
87	0 40 06.6	+06 35 42	7	0.44	61	15.7	15.6
88	0 41 06.2	+06 55 32	12	0.32	174	15.7	15.9
89	0 42 00.9	+07 09 06	8	0.16	144	15.7	15.7
90	0 43 00.7	+07 20 54	9	0.16	145	15.7	15.7
91	0 39 37.8	+07 17 40	8	0.34	163	15.7	15.7
92	0 38 18.0	+07 03 53	8	0.06	78	15.8	15.8
93	0 39 03.0	+06 29 07	8	0.35	46	15.8	15.8
94	0 42 42.4	+06 20 01	9	0.75	105	15.8	15.8
95	0 40 26.1	+06 42 52	8	0.31	168	15.8	15.7
96	0 40 17.2	+06 23 39	9	0.19	28	15.8	15.9
97	0 36 45.6	+06 59 03	9	0.60	17	15.8	15.8
98	0 37 57.8	+06 21 54	9	0.09	139	15.8	15.8
99	0 39 42.3	+07 17 09	10	0.17	104	15.8	15.9
100	0 37 57.1	+07 26 29	10	0.65	109	15.8	15.8

Abell 76

N	α	δ	R_1	ϵ	θ	m_T	m_a
101	0 39 19.1	+06 27 01	10	0.39	62	15.8	15.9
102	0 41 31.3	+07 04 42	9	0.20	112	15.8	15.8
103	0 40 48.7	+06 57 00	10	0.48	138	15.8	15.9
104	0 39 24.1	+06 10 54	8	0.10	40	15.8	15.8
105	0 40 34.0	+07 02 41	8	0.20	163	15.8	15.8
106	0 40 34.6	+07 02 51	9	0.51	86	15.9	15.9
107	0 42 16.4	+06 20 50	8	0.50	135	15.9	15.8
108	0 36 58.9	+06 51 58	10	0.25	110	15.9	16.0
109	0 37 23.7	+06 41 01	9	0.41	41	15.9	15.9
110	0 39 12.3	+06 45 30	10	0.04	8	15.9	16.0
111	0 37 17.5	+06 50 36	8	0.38	12	15.9	15.8
112	0 39 28.7	+06 43 13	7	0.69	57	15.9	15.8
113	0 38 53.4	+06 58 03	11	0.13	105	15.9	16.1
114	0 42 22.4	+07 16 18	12	0.55	136	15.9	16.2
115	0 37 14.0	+07 14 18	7	0.29	21	15.9	15.9
116	0 38 45.6	+06 23 02	10	0.36	106	15.9	16.0
117	0 39 53.1	+06 51 12	7	0.22	77	15.9	15.8
118	0 39 05.9	+06 52 15	9	0.53	46	15.9	16.0
119	0 42 25.5	+07 18 32	9	0.44	82	15.9	15.9
120	0 40 58.9	+07 17 37	8	0.37	97	16.0	16.0
121	0 40 22.5	+06 28 07	11	0.62	60	16.0	16.1
122	0 42 15.6	+06 49 13	8	0.28	3	16.0	16.0
123	0 37 01.8	+06 37 19	10	0.65	96	16.0	16.0
124	0 38 54.5	+07 27 28	10	0.70	71	16.0	16.1
125	0 39 46.8	+07 08 47	10	0.15	15	16.0	16.1
126	0 39 15.8	+06 18 40	9	0.36	43	16.0	16.1
127	0 39 48.7	+06 32 20	8	0.49	80	16.1	16.1
128	0 40 54.6	+07 05 14	9	0.28	102	16.1	16.1
129	0 40 43.0	+07 24 24	7	0.24	46	16.1	16.0
130	0 39 08.7	+07 29 09	11	0.56	87	16.1	16.3
131	0 42 10.4	+06 16 28	9	0.19	138	16.1	16.1
132	0 38 38.8	+06 47 03	8	0.34	178	16.1	16.0
133	0 39 17.1	+06 34 31	7	0.46	150	16.1	16.1
134	0 42 57.1	+06 52 38	8	0.40	168	16.1	16.1
135	0 41 52.8	+07 24 59	10	0.24	57	16.1	16.2
136	0 41 24.7	+07 04 01	9	0.33	12	16.2	16.2
137	0 39 52.6	+06 29 48	9	0.32	97	16.2	16.2
138	0 40 00.5	+06 53 02	8	0.08	58	16.2	16.2
139	0 40 01.0	+06 57 03	7	0.10	63	16.2	16.1
140	0 37 39.8	+07 11 02	9	0.29	77	16.2	16.3
141	0 37 47.9	+06 47 23	8	0.47	138	16.2	16.2
142	0 41 19.5	+07 24 14	8	0.54	80	16.2	15.9
143	0 36 43.8	+06 29 24	10	0.14	121	16.2	16.2
144	0 37 56.2	+06 23 27	9	0.40	147	16.2	16.3

Abell 157

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	1 11 04.9	-14 22 28	15	0.48	55	14.4	15.2
2	1 10 53.6	-14 13 14	12	0.10	57	14.7	15.1
3	1 12 13.3	-14 35 13	12	0.21	51	14.9	15.2
4	1 11 53.3	-14 21 37	9	0.48	93	15.0	15.2
5	1 11 10.3	-14 17 59	10	0.10	119	15.0	15.2
6	1 12 16.4	-14 11 23	12	0.44	142	15.1	15.6
7	1 12 22.6	-14 10 30	12	0.45	141	15.1	15.4
8	1 12 10.6	-14 33 55	7	0.68	75	15.2	15.3
9	1 12 21.8	-14 10 32	7	0.31	120	15.4	15.5
10	1 10 31.3	-14 13 03	9	0.11	26	15.5	15.7
11	1 11 30.2	-14 22 44	8	0.37	67	15.6	15.7
12	1 11 13.8	-14 28 31	10	0.10	172	15.7	16.0
13	1 10 44.0	-14 12 05	9	0.59	118	15.7	15.9
14	1 11 06.6	-14 29 02	11	0.31	6	15.8	16.1
15	1 11 32.1	-14 12 43	8	0.39	30	15.8	15.9
16	1 11 49.9	-14 26 30	10	0.28	67	16.0	16.3
17	1 11 15.5	-14 31 28	10	0.71	89	16.0	16.3
18	1 11 58.9	-14 13 24	8	0.35	105	16.0	16.1
19	1 10 40.6	-14 31 30	9	0.30	87	16.0	16.2
20	1 12 20.0	-14 28 29	9	0.10	81	16.0	16.1
21	1 11 01.6	-14 27 15	7	0.18	11	16.1	16.1
22	1 12 19.5	-14 21 46	9	0.17	91	16.1	16.2
23	1 10 51.3	-14 20 48	7	0.37	143	16.1	16.1
24	1 11 12.4	-14 38 05	7	0.20	98	16.1	16.1
25	1 10 52.7	-14 18 57	9	0.19	20	16.1	16.2
26	1 11 12.0	-14 34 46	9	0.19	168	16.1	16.3
27	1 11 15.4	-14 34 27	9	0.10	10	16.1	16.2
28	1 10 57.3	-14 36 27	8	0.10	164	16.1	16.2
29	1 12 25.0	-14 29 25	9	0.13	117	16.2	16.4
30	1 11 10.1	-14 28 01	8	0.22	62	16.2	16.3
31	1 11 26.4	-14 35 41	10	0.71	90	16.2	16.5
32	1 12 20.9	-14 38 28	7	0.42	148	16.3	16.3
33	1 11 13.7	-14 27 26	8	0.12	19	16.4	16.4
34	1 12 15.8	-14 16 09	7	0.11	158	16.4	16.4
35	1 10 41.1	-14 09 07	4	0.10	155	16.4	15.3
36	1 10 26.5	-14 10 56	7	0.16	71	16.5	16.5
37	1 10 42.2	-14 10 51	7	0.14	178	16.5	16.5
38	1 11 43.1	-14 25 49	8	0.10	88	16.5	16.6
39	1 11 06.4	-14 12 34	8	0.14	129	16.6	16.7
40	1 10 50.5	-14 23 05	7	0.21	98	16.6	16.6
41	1 11 42.8	-14 17 54	8	0.31	172	16.6	16.8
42	1 12 23.5	-14 23 16	8	0.18	146	16.6	16.7
43	1 10 52.8	-14 18 02	8	0.28	84	16.7	16.7
44	1 12 24.8	-14 23 56	8	0.13	84	16.7	16.8
45	1 11 41.9	-14 17 51	7	0.16	111	16.7	16.7
46	1 12 06.0	-14 34 16	7	0.17	127	16.7	16.7
47	1 10 57.6	-14 19 39	7	0.28	101	16.8	16.8
48	1 10 57.7	-14 22 48	7	0.24	142	16.8	16.8
49	1 10 41.8	-14 30 30	7	0.10	123	16.8	16.8
50	1 11 58.4	-14 22 20	6	0.24	61	16.9	16.8

Abell 157

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	1 11 59.1	-14 29 45	7	0.10	111	16.9	16.9
52	1 10 32.1	-14 19 13	6	0.22	108	16.9	16.9
53	1 12 16.9	-14 12 58	7	0.43	56	16.9	16.9
54	1 12 06.1	-14 32 05	8	0.22	58	16.9	17.0
55	1 11 22.3	-14 22 15	7	0.22	155	16.9	16.9
56	1 10 56.8	-14 19 28	6	0.16	2	16.9	16.8
57	1 11 40.3	-14 13 17	7	0.16	124	16.9	16.9
58	1 11 08.4	-14 21 22	10	0.40	125	16.9	17.1
59	1 10 30.0	-14 19 03	7	0.23	78	17.0	17.0
60	1 12 22.1	-14 10 49	7	0.38	49	17.0	17.0
61	1 10 39.2	-14 14 17	6	0.25	115	17.0	16.9
62	1 11 05.0	-14 20 52	7	0.10	152	17.0	17.0
63	1 10 53.8	-14 33 09	7	0.47	117	17.0	17.1
64	1 11 09.5	-14 36 29	7	0.22	120	17.1	17.1
65	1 11 03.9	-14 21 52	7	0.10	126	17.1	17.1
66	1 10 59.7	-14 28 32	6	0.10	72	17.1	17.0
67	1 10 46.4	-14 30 23	8	0.58	119	17.1	17.2
68	1 11 17.2	-14 13 11	6	0.18	6	17.1	17.0
69	1 12 26.3	-14 22 02	6	0.45	92	17.1	17.0
70	1 12 14.5	-14 21 07	7	0.22	153	17.1	17.1
71	1 10 31.6	-14 11 42	7	0.10	179	17.1	17.1
72	1 11 35.4	-14 23 11	8	0.64	0	17.1	17.3
73	1 11 54.2	-14 24 56	7	0.13	102	17.1	17.2
74	1 10 42.5	-14 30 17	5	0.32	70	17.2	17.0
75	1 12 09.1	-14 35 44	7	0.42	93	17.2	17.2
76	1 11 12.4	-14 23 44	6	0.18	93	17.2	17.1
77	1 12 04.3	-14 17 17	7	0.20	100	17.2	17.3
78	1 11 39.2	-14 20 36	6	0.19	80	17.2	17.2
79	1 11 14.2	-14 35 45	7	0.55	139	17.2	17.2
80	1 11 12.8	-14 23 51	6	0.10	57	17.3	17.3
81	1 11 51.6	-14 15 42	7	0.23	59	17.3	17.3
82	1 11 51.1	-14 15 38	6	0.59	94	17.3	17.1
83	1 10 34.0	-14 23 26	6	0.27	62	17.3	17.3
84	1 10 38.9	-14 28 00	6	0.10	110	17.3	17.2
85	1 11 17.7	-14 33 23	7	0.16	113	17.3	17.3
86	1 11 50.5	-14 26 56	8	0.49	121	17.3	17.5
87	1 11 29.1	-14 22 32	7	0.23	72	17.3	17.3
88	1 11 27.3	-14 26 17	7	0.20	101	17.3	17.3
89	1 11 03.7	-14 37 35	6	0.13	95	17.4	17.3
90	1 10 30.4	-14 25 33	7	0.21	60	17.4	17.4
91	1 10 48.8	-14 28 22	8	0.43	136	17.4	17.5
92	1 12 15.4	-14 33 17	7	0.49	138	17.4	17.4
93	1 11 06.0	-14 38 34	7	0.19	13	17.5	17.5
94	1 11 04.0	-14 27 37	6	0.20	74	17.5	17.3
95	1 10 42.4	-14 10 32	6	0.22	69	17.5	17.4
96	1 10 48.2	-14 23 19	6	0.30	73	17.5	17.4
97	1 11 32.5	-14 31 16	6	0.15	104	17.5	17.4
98	1 11 37.0	-14 15 16	7	0.25	109	17.5	17.5
99	1 11 05.5	-14 23 14	6	0.29	56	17.5	17.4
100	1 12 06.2	-14 30 15	5	0.40	102	17.5	17.4

Abell 157

N	α	δ	R_1	ϵ	θ	m_T	m_a
101	1 11 41.8	-14 28 08	6	0.39	172	17.5	17.4
102	1 11 00.3	-14 25 60	6	0.20	74	17.5	17.5
103	1 10 49.3	-14 21 50	6	0.26	95	17.6	17.6
104	1 10 35.0	-14 11 12	6	0.37	149	17.6	17.5
105	1 11 04.1	-14 29 15	6	0.17	43	17.6	17.5
106	1 11 17.7	-14 20 51	6	0.23	101	17.6	17.5
107	1 11 02.1	-14 19 22	6	0.59	18	17.6	17.5
108	1 10 47.9	-14 10 04	5	0.31	53	17.6	17.4
109	1 10 47.6	-14 23 11	6	0.25	126	17.6	17.5
110	1 10 42.4	-14 35 12	6	0.32	62	17.6	17.5
111	1 11 19.2	-14 27 19	7	0.23	41	17.7	17.7
112	1 10 33.0	-14 21 48	8	0.50	53	17.7	17.8
113	1 10 35.9	-14 30 02	6	0.15	98	17.7	17.6
114	1 11 50.1	-14 09 10	6	0.36	28	17.7	17.6
115	1 12 18.5	-14 16 13	5	0.22	122	17.7	17.6
116	1 10 43.6	-14 29 13	7	0.32	87	17.7	17.7
117	1 10 25.4	-14 11 07	5	0.17	84	17.7	17.6
118	1 11 32.7	-14 13 35	6	0.17	48	17.7	17.6
119	1 10 55.6	-14 28 30	7	0.49	15	17.8	17.8
120	1 10 50.9	-14 34 36	6	0.40	73	17.8	17.8
121	1 12 04.4	-14 14 07	5	0.35	71	17.8	17.8
122	1 11 30.7	-14 24 01	7	0.40	56	17.8	17.8
123	1 11 52.9	-14 31 33	7	0.35	44	17.8	17.8
124	1 10 39.2	-14 25 45	6	0.24	100	17.8	17.7
125	1 10 35.4	-14 30 07	6	0.34	84	17.8	17.7
126	1 11 05.4	-14 24 08	6	0.36	79	17.8	17.7
127	1 10 26.2	-14 11 35	7	0.58	31	17.9	18.0
128	1 11 02.1	-14 25 53	5	0.48	99	17.9	17.6
129	1 11 01.8	-14 26 05	6	0.16	143	17.9	17.9
130	1 11 25.0	-14 12 51	6	0.74	91	17.9	17.8
131	1 11 41.8	-14 33 58	7	0.30	152	17.9	18.0
132	1 11 08.2	-14 22 47	6	0.22	166	17.9	17.9
133	1 10 35.1	-14 26 05	6	0.27	160	17.9	17.8
134	1 11 33.6	-14 15 20	5	0.36	94	17.9	17.6
135	1 11 36.0	-14 20 11	7	0.65	94	17.9	17.9
136	1 10 43.1	-14 16 39	6	0.25	98	17.9	17.8
137	1 12 06.3	-14 36 49	7	0.35	43	17.9	18.0
138	1 10 42.8	-14 29 21	6	0.42	124	17.9	17.8
139	1 10 33.6	-14 09 54	6	0.56	123	17.9	17.8

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N	α	δ	R_1	ϵ	θ	m_T	m_a
1	3 01 52.2	+35 50 22	29	0.49	160	13.2	15.1
2	3 02 00.6	+35 45 35	33	0.77	86	13.5	14.7
3	3 01 53.9	+35 43 59	26	0.50	176	13.5	14.4
4	2 58 53.4	+35 26 36	14	0.49	22	13.7	14.5
5	2 59 42.7	+36 02 02	17	0.62	168	13.9	14.5
6	3 03 15.5	+35 43 04	12	0.59	110	14.0	14.7
7	3 03 25.4	+35 46 21	19	0.25	64	14.0	14.7
8	3 03 25.7	+35 55 49	13	0.63	16	14.1	14.7
9	2 59 38.2	+35 36 17	12	0.56	64	14.3	14.7
10	3 00 49.9	+35 54 02	11	0.59	52	14.4	14.8
11	3 00 00.9	+35 40 06	11	0.59	161	14.4	14.8
12	3 02 27.8	+35 30 06	16	0.64	178	14.4	15.1
13	3 04 29.0	+35 06 46	13	0.74	61	14.4	14.6
14	3 00 36.8	+35 37 44	18	0.32	158	14.4	15.4
15	3 01 25.1	+36 07 28	12	0.70	89	14.4	14.8
16	3 02 17.1	+35 41 02	14	0.43	144	14.4	14.9
17	3 04 55.0	+35 31 24	13	0.10	114	14.5	14.8
18	2 59 39.1	+35 55 03	12	0.63	158	14.5	15.0
19	3 05 00.0	+35 57 10	9	0.16	119	14.5	14.7
20	2 59 10.0	+35 47 22	13	0.71	46	14.6	14.9
21	2 59 47.8	+35 40 00	18	0.49	139	14.6	15.3
22	2 59 34.8	+35 48 54	11	0.65	7	14.6	15.0
23	2 59 30.7	+35 37 56	11	0.16	121	14.6	14.7
24	3 02 08.3	+35 21 45	11	0.17	94	14.6	14.8
25	2 59 58.3	+35 35 14	10	0.58	81	14.7	14.9
26	3 01 36.0	+35 33 10	9	0.45	25	14.7	14.8
27	3 01 04.4	+36 05 58	11	0.41	72	14.7	14.8
28	3 01 38.6	+35 43 41	10	0.51	176	14.7	15.0
29	2 59 31.6	+35 37 46	9	0.12	54	14.7	14.7
30	3 01 37.9	+35 57 21	11	0.51	113	14.7	14.7
31	2 59 32.1	+35 56 30	16	0.76	90	14.7	15.3
32	3 00 53.4	+36 11 34	10	0.53	74	14.7	14.8
33	3 04 54.4	+35 31 35	8	0.30	78	14.8	14.8
34	3 02 14.7	+35 10 22	10	0.13	102	14.8	14.9
35	3 01 32.4	+35 58 42	11	0.18	33	14.8	15.0
36	2 59 16.6	+35 28 03	8	0.23	101	14.8	14.8
37	3 04 07.3	+36 12 00	14	0.76	133	14.8	15.2
38	3 00 48.9	+35 53 46	10	0.10	81	14.8	15.4
39	3 01 44.8	+35 40 37	11	0.49	126	14.8	15.0
40	3 03 38.5	+35 24 07	10	0.43	36	14.8	14.9
41	3 01 52.9	+35 22 11	10	0.61	64	14.8	14.9
42	2 59 43.3	+35 53 15	8	0.13	22	14.9	14.9
43	3 02 14.6	+35 48 57	11	0.68	105	14.9	15.0
44	3 00 44.4	+35 42 23	9	0.19	67	14.9	15.0
45	3 00 34.9	+36 05 05	12	0.46	50	14.9	15.2
46	3 03 05.5	+35 58 51	8	0.18	98	14.9	14.9
47	3 00 04.6	+35 19 35	9	0.60	175	14.9	15.2
48	2 58 35.2	+35 55 22	16	0.44	1	14.9	15.7
49	2 58 25.1	+35 21 29	9	0.35	157	15.0	15.1
50	3 04 50.7	+36 07 14	7	0.12	77	15.0	15.0

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	3 01 14.1	+35 49 36	10	0.71	77	15.0	15.5
52	3 04 17.7	+35 48 48	7	0.16	65	15.0	15.0
53	3 02 20.4	+36 06 36	12	0.32	126	15.0	15.5
54	3 02 07.6	+35 55 47	8	0.22	74	15.0	15.1
55	3 03 29.2	+35 44 19	7	0.36	18	15.0	15.0
56	3 01 28.5	+35 46 14	9	0.14	101	15.0	15.0
57	3 00 50.1	+35 10 38	8	0.24	95	15.0	15.0
58	3 00 50.1	+35 10 24	6	0.19	121	15.0	15.0
59	2 59 26.9	+35 43 04	9	0.10	84	15.1	15.2
60	2 59 03.3	+35 43 41	7	0.11	103	15.1	15.1
61	2 59 03.2	+35 21 06	7	0.10	90	15.1	15.1
62	2 59 02.2	+35 21 02	8	0.20	87	15.1	15.1
63	3 00 17.8	+35 16 13	8	0.15	81	15.1	15.1
64	3 04 22.9	+35 54 55	10	0.23	102	15.1	15.1
65	2 59 47.7	+36 01 40	7	0.53	173	15.1	15.1
66	3 01 25.5	+35 59 46	9	0.10	64	15.1	15.2
67	3 03 19.2	+35 46 16	7	0.26	108	15.1	15.1
68	3 03 00.2	+35 36 57	11	0.10	31	15.1	15.5
69	3 03 08.9	+35 38 44	9	0.11	120	15.1	15.3
70	2 58 23.1	+35 41 35	7	0.16	8	15.1	15.1
71	2 58 47.6	+36 01 19	11	0.30	148	15.1	15.3
72	3 02 46.0	+36 04 16	7	0.22	173	15.2	15.3
73	3 02 36.1	+35 49 11	8	0.10	172	15.2	15.3
74	3 01 25.8	+35 59 57	8	0.16	117	15.2	15.2
75	3 02 00.8	+35 41 19	7	0.79	179	15.2	15.2
76	3 02 45.6	+36 04 06	8	0.10	80	15.2	15.2
77	3 03 24.9	+35 06 39	6	0.13	64	15.2	15.2
78	3 03 06.0	+36 00 56	9	0.15	52	15.2	15.2
79	3 04 15.7	+35 23 52	8	0.32	85	15.2	15.2
80	3 03 05.4	+36 01 04	8	0.10	2	15.2	15.2
81	3 00 05.4	+35 43 34	10	0.74	27	15.2	15.6
82	2 58 30.1	+35 14 15	7	0.22	65	15.2	15.2
83	3 01 57.3	+35 09 45	14	0.69	59	15.3	15.8
84	3 03 45.4	+35 39 43	7	0.18	93	15.3	15.2
85	3 00 55.5	+36 04 14	9	0.11	17	15.3	15.4
86	3 01 26.6	+35 38 45	10	0.30	136	15.3	15.6
87	2 58 44.1	+35 46 53	9	0.66	166	15.3	15.5
88	2 59 02.2	+35 43 34	7	0.14	91	15.3	15.3
89	2 58 54.5	+35 37 36	6	0.10	138	15.3	15.3
90	2 59 23.4	+35 56 22	6	0.14	16	15.3	15.3
91	3 01 14.3	+35 52 42	12	0.77	147	15.3	15.9
92	3 00 25.7	+35 20 24	9	0.61	133	15.4	15.6
93	3 02 58.1	+35 44 28	14	0.27	168	15.4	16.2
94	3 01 45.8	+35 59 36	10	0.19	170	15.4	15.6
95	3 01 32.0	+35 23 00	7	0.59	39	15.4	15.4
96	3 01 40.3	+35 55 35	9	0.16	46	15.4	15.5
97	3 02 07.4	+35 38 04	10	0.10	156	15.4	15.7
98	3 02 47.7	+35 30 42	7	0.52	34	15.4	15.5
99	3 01 23.6	+36 07 39	6	0.14	54	15.5	15.5
100	3 01 46.2	+35 17 33	8	0.42	63	15.5	15.6

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	2 59 58.5	+35 34 01	6	0.23	77	15.5	15.5
102	3 04 44.1	+36 01 47	7	0.50	143	15.5	15.5
103	3 00 24.9	+35 20 36	7	0.29	52	15.5	15.5
104	2 59 34.4	+35 25 04	6	0.36	94	15.5	15.4
105	2 59 39.3	+35 51 05	6	0.54	47	15.5	15.5
106	3 02 04.1	+36 10 05	9	0.39	93	15.6	15.7
107	2 59 41.8	+36 10 40	9	0.36	47	15.6	15.8
108	3 01 45.2	+35 46 45	7	0.39	83	15.6	15.6
109	3 03 18.7	+35 45 55	9	0.66	112	15.6	15.9
110	3 00 13.7	+36 15 31	10	0.27	169	15.6	15.9
111	2 59 40.8	+36 11 08	12	0.73	50	15.6	16.0
112	3 01 19.5	+35 05 30	8	0.27	96	15.6	15.6
113	3 02 23.9	+35 43 33	8	0.23	42	15.6	15.7
114	3 00 51.7	+35 41 17	10	0.13	43	15.7	16.0
115	3 01 35.0	+35 04 50	6	0.18	104	15.7	15.6
116	3 03 31.2	+35 06 15	7	0.48	126	15.7	15.7
117	3 03 11.2	+35 41 00	7	0.44	4	15.7	15.7
118	2 58 59.7	+35 56 45	9	0.34	154	15.7	15.8
119	3 04 51.7	+35 45 47	5	0.32	81	15.7	15.1
120	3 01 48.5	+35 27 54	6	0.19	131	15.7	15.7
121	2 59 45.8	+35 46 54	10	0.82	96	15.7	15.8
122	3 02 13.9	+35 46 43	8	0.19	54	15.7	15.8
123	2 59 41.0	+36 09 37	7	0.59	8	15.7	15.8
124	3 00 13.8	+35 25 46	7	0.11	44	15.7	15.7
125	3 04 18.7	+36 13 27	6	0.77	99	15.7	15.7
126	3 02 05.8	+35 47 15	6	0.20	66	15.8	15.8
127	3 00 05.7	+35 43 23	6	0.10	93	15.8	15.7
128	2 59 23.9	+35 58 18	8	0.10	157	15.8	15.9
129	3 01 28.0	+35 34 49	12	0.44	95	15.8	16.3
130	2 59 42.0	+36 11 12					
131	3 01 28.4	+35 53 03	10	0.29	173	15.8	16.0
132	3 00 04.4	+36 01 13	12	0.76	86	15.8	16.3
133	3 02 19.9	+36 11 20	7	0.15	105	15.8	15.8
134	2 59 23.6	+36 04 52	5	0.29	80	15.8	15.3
135	3 00 55.9	+35 53 26	7	0.37	162	15.8	15.8
136	2 59 35.0	+36 06 21	6	0.61	164	15.8	15.8
137	2 59 59.6	+35 35 05	6	0.22	66	15.9	15.8
138	3 00 13.7	+36 06 41	10	0.21	85	15.9	16.2
139	3 02 46.9	+35 54 14	8	0.30	30	15.9	15.9
140	3 01 21.9	+36 13 07	7	0.28	81	15.9	15.9
141	2 58 28.7	+35 35 49	9	0.75	20	15.9	16.2
142	2 59 40.1	+35 57 31	8	0.53	72	15.9	15.9
143	3 01 44.4	+36 09 22	7	0.66	84	15.9	15.9
144	2 59 23.5	+36 03 40	9	0.48	152	16.0	16.2
145	3 02 41.6	+36 08 00	7	0.35	43	16.0	16.0
146	2 59 21.2	+35 35 18	9	0.56	125	16.0	16.1
147	2 59 37.4	+35 29 19	4	0.10	50	16.0	15.6
148	3 01 49.6	+35 51 46	8	0.22	73	16.0	16.0
149	3 01 48.7	+35 05 40	12	0.39	135	16.0	16.5
150	2 59 24.8	+35 55 59	8	0.50	96	16.0	16.1

Abell 407

N	α	δ	R_1	ϵ	θ	m_T	m_a
151	3 02 46.6	+35 23 48	6	0.22	146	16.0	15.9
152	3 02 26.6	+35 30 54	9	0.49	89	16.0	16.3
153	2 59 46.8	+36 01 02	13	0.72	6	16.0	16.7
154	3 04 07.3	+35 05 14	7	0.48	147	16.0	16.0
155	3 03 37.3	+35 29 17	9	0.29	162	16.1	16.2
156	3 01 49.8	+35 54 12	7	0.34	52	16.1	16.1
157	3 00 24.0	+35 32 43	11	0.18	86	16.1	16.5
158	3 00 26.9	+36 15 30	4	0.43	0	16.1	15.7
159	2 58 45.4	+35 55 23	7	0.21	121	16.1	16.1
160	3 02 51.7	+35 29 16	4	0.10	38	16.1	15.8
161	2 59 00.1	+35 52 31	8	0.45	49	16.1	16.2
162	3 01 34.5	+35 28 17	6	0.47	130	16.1	16.0
163	2 58 43.4	+35 22 42	9	0.57	48	16.1	16.2
164	3 00 24.8	+36 14 56	8	0.46	50	16.1	16.1
165	3 01 35.5	+35 09 47	10	0.58	73	16.2	16.5
166	3 02 29.8	+36 00 15	7	0.13	155	16.2	16.2
167	3 04 29.9	+36 05 06	7	0.60	58	16.2	16.2
168	2 59 13.6	+35 58 15	9	0.16	64	16.2	16.4
169	3 00 58.5	+36 12 30	8	0.10	145	16.2	16.3
170	3 01 34.9	+35 53 28	6	0.10	170	16.2	16.2
171	2 58 36.6	+35 55 18	7	0.58	125	16.2	16.2
172	3 01 42.7	+35 55 11	8	0.20	83	16.2	16.3
173	3 02 39.3	+35 20 27	7	0.10	156	16.2	16.3
174	3 02 15.9	+35 25 00	9	0.55	156	16.2	16.4
175	3 01 49.0	+35 42 03	7	0.77	88	16.3	16.4
176	3 03 04.5	+36 00 28	6	0.17	81	16.3	16.2
177	2 59 59.6	+36 15 05	5	0.10	45	16.3	16.1
178	3 04 50.1	+35 23 39	5	0.25	161	16.3	16.1
179	3 03 08.9	+35 54 03	6	0.44	174	16.3	16.3
180	3 03 07.1	+35 38 05	7	0.26	101	16.3	16.3
181	2 58 58.7	+35 35 01	7	0.69	65	16.3	16.3
182	3 01 52.2	+35 51 21	7	0.25	92	16.3	16.3
183	3 03 52.5	+35 34 52	9	0.59	128	16.3	16.6
184	2 59 56.0	+36 09 33	8	0.50	82	16.3	16.4
185	3 02 11.8	+36 06 49	9	0.37	69	16.4	16.6
186	3 01 27.7	+35 43 39	7	0.26	51	16.4	16.4
187	2 58 29.9	+36 12 15	6	0.48	167	16.4	16.4
188	2 59 37.1	+36 00 41	7	0.18	95	16.4	16.4
189	3 01 38.2	+35 31 44	8	0.30	7	16.4	16.5
190	3 02 37.4	+36 10 37	10	0.38	127	16.4	16.7
191	3 04 10.2	+35 30 45	7	0.23	102	16.4	16.4
192	2 58 29.9	+36 12 26	7	0.15	147	16.4	16.4
193	2 58 42.9	+36 04 28	7	0.50	172	16.4	16.4
194	3 03 35.0	+35 44 37	9	0.46	87	16.4	16.6
195	2 58 49.9	+35 42 57	7	0.74	89	16.4	16.5
196	3 01 40.4	+35 32 46	10	0.73	6	16.4	16.9
197	3 03 37.2	+35 36 45	8	0.14	13	16.4	16.5
198	3 01 28.1	+35 50 29	8	0.58	147	16.5	16.6
199	3 03 36.3	+35 29 21	5	0.11	163	16.5	16.2
200	3 01 57.8	+35 51 14	8	0.10	127	16.5	16.6

Abell 407

N	α	δ	R_1	ϵ	θ	m_T	m_a
201	3 00 06.8	+35 25 43	7	0.60	160	16.5	16.5
202	3 01 36.4	+35 45 25	6	0.31	97	16.5	16.4
203	3 04 17.8	+35 47 31	10	0.53	163	16.5	16.7
204	3 01 39.3	+35 52 00	6	0.36	23	16.5	16.5
205	3 02 10.8	+35 55 30	9	0.65	128	16.5	16.9
206	3 00 08.8	+35 35 41	7	0.73	73	16.5	16.5
207	3 01 18.4	+35 58 57	10	0.30	111	16.5	16.8
208	3 00 37.0	+35 58 01	7	0.23	56	16.5	16.5

Abell 505

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	4 59 56.2	+80 10 34	27	0.72	143	13.1	14.2
2	5 01 19.9	+80 12 54	14	0.65	154	13.8	14.4
3	4 47 10.9	+80 11 44	14	0.67	76	13.9	14.3
4	5 10 54.4	+80 17 05	15	0.31	78	14.0	14.4
5	5 03 13.4	+80 05 20	12	0.53	71	14.0	14.3
6	4 55 52.5	+79 42 03	12	0.66	151	14.2	14.4
7	4 49 28.2	+79 47 47	9	0.11	49	14.2	14.3
8	4 52 14.2	+80 28 45	11	0.61	30	14.2	14.6
9	5 00 21.2	+79 44 17	10	0.45	145	14.3	14.5
10	4 50 21.3	+79 53 56	9	0.10	36	14.4	14.6
11	5 02 00.7	+80 11 10	11	0.66	30	14.5	14.9
12	4 56 54.9	+79 36 04	9	0.40	15	14.6	14.7
13	5 08 48.6	+80 06 52	11	0.65	40	14.6	14.7
14	5 00 20.6	+80 09 58	9	0.24	7	14.6	14.6
15	4 49 54.5	+79 55 11	12	0.76	153	14.6	14.9
16	4 59 07.4	+80 03 52	10	0.65	176	14.6	14.7
17	5 03 27.2	+80 00 46	11	0.15	58	14.7	14.9
18	5 04 29.3	+79 36 04	9	0.60	146	14.7	14.9
19	5 00 27.8	+80 17 48	9	0.61	82	14.7	14.8
20	4 47 20.1	+79 36 29	7	0.20	36	14.7	14.7
21	4 52 15.2	+80 24 57	9	0.30	167	14.7	14.8
22	4 55 41.8	+80 01 36	11	0.29	168	14.7	14.8
23	5 02 11.8	+80 00 15	8	0.49	34	14.7	14.7
24	5 07 31.8	+79 33 05	7	0.13	92	14.8	14.8
25	5 03 50.1	+79 23 27	12	0.53	46	14.8	15.1
26	5 05 58.5	+79 55 10	8	0.34	16	14.8	14.8
27	4 51 24.5	+79 23 56	20	0.48	155	14.8	15.7
28	4 51 46.5	+80 20 15	8	0.30	165	14.8	14.8
29	5 00 24.9	+79 56 23	13	0.20	161	14.8	15.1
30	4 59 28.6	+79 56 23	10	0.29	3	14.8	15.0
31	5 06 08.5	+80 01 22	9	0.62	48	14.8	14.9
32	4 58 34.4	+79 24 31	8	0.17	106	14.8	14.9
33	4 46 09.7	+80 07 50	11	0.12	51	14.8	14.9
34	4 59 35.1	+79 27 45	9	0.61	85	14.9	15.0
35	4 46 14.4	+80 07 42	9	0.15	111	14.9	14.9
36	4 52 52.3	+79 31 03	7	0.10	166	15.0	15.0
37	5 03 46.1	+79 31 33	7	0.22	166	15.1	15.1
38	4 58 03.4	+79 49 39	7	0.10	46	15.1	15.1
39	4 55 34.7	+79 27 18	7	0.57	73	15.1	15.1
40	4 58 44.8	+80 09 38	10	0.11	102	15.1	15.3
41	4 57 19.7	+80 26 06	12	0.72	168	15.1	15.3
42	5 02 25.9	+80 30 14	7	0.12	0	15.1	15.1
43	4 53 18.5	+79 46 43	7	0.34	175	15.2	15.2
44	4 55 15.4	+79 43 55	9	0.40	159	15.2	15.2
45	4 46 17.0	+80 00 52	7	0.14	167	15.2	15.2
46	4 52 39.1	+79 40 01	10	0.38	165	15.2	15.3
47	4 51 54.6	+80 24 45	7	0.16	127	15.2	15.2
48	5 03 04.8	+79 48 02	16	0.87	137	15.2	15.6
49	5 01 13.7	+79 45 48	12	0.34	22	15.2	15.6
50	4 54 08.0	+80 08 08	6	0.22	177	15.2	14.8

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	4 48 39.3	+79 37 10	9	0.69	162	15.3	15.5
52	5 02 60.0	+80 29 41	6	0.24	127	15.3	15.3
53	4 47 32.0	+79 51 54	7	0.16	160	15.4	15.4
54	4 58 51.3	+80 30 11	7	0.10	154	15.4	15.4
55	4 50 03.2	+80 14 20	7	0.49	97	15.4	15.4
56	4 53 32.3	+79 37 39	7	0.26	92	15.4	15.3
57	4 51 34.5	+80 19 07	6	0.32	91	15.5	15.4
58	5 01 47.8	+79 46 13	9	0.12	131	15.5	15.5
59	5 04 47.0	+80 27 57	7	0.56	120	15.5	15.5
60	4 49 54.5	+79 34 12	8	0.72	85	15.5	15.6
61	5 05 47.8	+79 49 33	8	0.10	33	15.5	15.6
62	4 53 51.1	+80 14 44	9	0.17	117	15.6	15.7
63	4 58 39.3	+80 12 19	11	0.18	25	15.6	15.8
64	5 01 38.9	+80 00 50	12	0.10	33	15.6	16.0
65	5 02 34.6	+80 07 52	11	0.26	164	15.6	15.9
66	5 08 33.0	+79 35 13	8	0.39	71	15.6	15.6
67	5 02 27.7	+79 53 53	11	0.11	121	15.6	15.7
68	5 02 05.7	+79 49 03	8	0.18	117	15.6	15.6
69	5 00 24.4	+79 47 19	12	0.40	104	15.6	15.9
70	5 06 21.2	+79 25 05	13	0.10	96	15.6	16.1
71	5 00 08.5	+80 25 30	8	0.32	75	15.7	15.7
72	5 02 23.9	+79 54 01	8	0.37	33	15.7	15.7
73	5 02 53.2	+80 11 49	6	0.10	40	15.7	15.5
74	4 58 32.4	+79 57 44	7	0.28	44	15.7	15.7
75	4 57 09.7	+80 10 33	7	0.57	4	15.7	15.6
76	4 53 00.2	+79 58 29	9	0.29	141	15.7	15.8
77	5 05 32.5	+80 19 41	10	0.18	74	15.7	16.0
78	4 59 18.9	+80 16 42	12	0.40	90	15.7	16.0
79	5 02 58.2	+80 24 50	6	0.35	122	15.7	15.6
80	4 46 50.6	+80 23 57	7	0.10	160	15.7	15.6
81	4 48 03.0	+79 57 44	7	0.50	141	15.8	15.8
82	4 58 44.9	+80 26 00	6	0.41	57	15.8	15.7
83	5 11 10.2	+80 06 26	6	0.10	22	15.8	15.1
84	5 07 13.0	+80 15 42	7	0.41	41	15.8	15.8
85	5 04 32.1	+79 40 20	8	0.71	64	15.8	15.9
86	5 11 09.6	+80 10 58	7	0.57	10	15.8	15.8
87	4 46 40.3	+80 19 17	6	0.10	80	15.8	15.7
88	5 00 52.9	+80 01 38	6	0.25	162	15.8	15.8
89	5 00 25.1	+80 07 20	9	0.21	89	15.8	15.9
90	4 56 58.5	+80 13 13	9	0.24	20	15.8	15.9
91	5 03 04.1	+80 23 05	14	0.67	19	15.8	16.4
92	4 53 14.8	+79 39 18	9	0.36	52	15.8	15.8
93	5 02 45.9	+80 03 25	9	0.49	1	15.8	15.9
94	5 03 46.2	+80 02 43	9	0.65	70	15.9	16.1
95	4 58 11.3	+80 06 48	13	0.40	177	15.9	16.2
96	5 01 25.0	+79 51 08	9	0.15	131	15.9	15.9
97	4 51 33.4	+79 42 58	8	0.55	145	16.0	16.1
98	4 54 59.7	+79 57 19	9	0.44	170	16.0	16.1
99	4 57 07.4	+80 18 28	8	0.23	139	16.0	16.1
100	5 01 18.4	+79 26 27	7	0.56	55	16.0	16.0

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	4 58 45.3	+79 23 53	6	0.49	0	16.1	16.0
102	4 59 33.9	+80 11 51	7	0.20	9	16.1	16.1
103	5 01 56.9	+80 10 09	9	0.10	91	16.1	16.1
104	4 51 20.9	+79 26 07	6	0.36	49	16.1	16.0
105	5 07 58.9	+79 44 31	6	0.44	135	16.1	16.0
106	5 05 25.3	+79 46 28	16	0.62	128	16.1	18.1
107	4 53 38.7	+80 02 29	6	0.50	140	16.1	16.0
108	5 11 37.3	+79 59 51	9	0.82	112	16.1	16.5
109	4 46 57.9	+79 33 29	7	0.62	138	16.1	16.1
110	4 56 19.8	+80 07 16	8	0.13	177	16.2	16.2
111	4 46 54.6	+80 07 33	11	0.66	10	16.2	16.4
112	4 56 47.1	+79 54 39	9	0.42	112	16.2	16.3
113	4 47 02.4	+79 33 21	7	0.42	52	16.2	16.1
114	4 56 34.7	+80 05 36	6	0.22	171	16.2	16.1
115	5 04 22.7	+80 03 49	6	0.27	50	16.2	16.1
116	4 55 59.8	+80 23 41	10	0.30	48	16.2	16.4
117	5 04 10.3	+80 23 48	8	0.79	129	16.2	16.3
118	5 07 32.7	+80 25 27	10	0.62	117	16.2	16.3
119	4 59 26.7	+80 11 16	7	0.17	14	16.2	16.1
120	5 02 59.5	+80 23 11	9	0.17	151	16.3	16.4
121	5 01 30.0	+80 06 02	9	0.10	20	16.3	16.4
122	5 00 40.1	+79 58 48	8	0.28	69	16.3	16.3
123	5 09 55.8	+80 08 18	6	0.49	80	16.3	16.2
124	4 57 55.3	+80 10 48	7	0.10	178	16.3	16.3
125	5 08 53.0	+79 47 46	9	0.59	113	16.3	16.4
126	4 58 26.0	+80 18 01	9	0.10	27	16.4	16.4
127	5 02 34.8	+80 10 03	7	0.57	126	16.4	16.2
128	4 51 13.0	+79 38 00	8	0.68	124	16.4	16.5
129	5 08 45.3	+79 33 13	7	0.16	149	16.4	16.4
130	4 58 50.3	+80 15 30	7	0.12	68	16.4	16.4
131	4 56 52.1	+79 54 36	6	0.42	145	16.5	16.3
132	4 54 54.8	+79 38 03	8	0.12	16	16.5	16.5
133	5 00 18.1	+80 06 21	11	0.14	142	16.5	16.8
134	4 57 03.7	+79 39 42	11	0.74	148	16.5	16.6
135	5 07 47.0	+79 30 16	8	0.74	152	16.5	16.5
136	4 59 13.7	+80 19 43	7	0.59	146	16.5	16.4
137	4 57 11.5	+80 15 24	7	0.62	115	16.5	16.5
138	4 47 58.1	+80 07 54	9	0.29	155	16.6	16.7
139	5 01 08.6	+80 05 00	8	0.10	97	16.6	16.6
140	5 04 52.4	+80 05 24	9	0.76	13	16.6	16.9
141	5 05 10.2	+80 05 59	10	0.76	78	16.6	16.9
142	5 02 10.6	+80 08 42	8	0.25	46	16.6	16.6
143	5 10 18.8	+79 35 57	10	0.22	165	16.6	16.7
144	5 10 23.2	+79 35 57	8	0.26	128	16.6	16.7
145	5 06 32.4	+79 51 43	7	0.70	140	16.6	16.5
146	5 06 04.7	+80 10 35	6	0.24	0	16.7	16.7
147	5 00 44.4	+80 08 41	6	0.12	75	16.7	16.6
148	4 59 02.4	+79 58 48	8	0.10	164	16.7	16.8
149	4 46 24.2	+79 57 57	6	0.32	125	16.7	16.6
150	4 58 01.5	+80 10 32	6	0.17	15	16.7	16.6

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N	α	δ	R_1	ϵ	θ	m_T	m_a
151	5 02 27.2	+79 46 57	8	0.10	31	16.7	16.7
152	5 07 33.8	+80 19 41	9	0.73	102	16.7	16.9
153	5 01 26.7	+80 06 17	7	0.10	19	16.7	16.6
154	4 51 14.7	+79 27 35	10	0.76	94	16.7	16.9
155	4 56 23.5	+79 25 09	9	0.61	178	16.7	16.8
156	4 55 45.0	+80 15 35	6	0.10	179	16.7	16.6
157	4 50 51.6	+80 20 01	7	0.10	73	16.8	16.8
158	4 47 49.2	+80 01 22	8	0.10	144	16.8	16.8
159	5 06 35.6	+79 53 48	7	0.10	178	16.8	16.8
160	5 04 57.7	+79 35 09	6	0.18	84	16.8	16.7
161	5 00 48.5	+80 04 53	9	0.23	43	16.8	16.9
162	5 02 07.2	+80 01 25	9	0.55	105	16.8	16.9
163	5 00 04.3	+80 06 15	8	0.28	175	16.8	16.8
164	4 47 58.9	+80 07 22	7	0.67	150	16.8	16.8
165	4 54 35.7	+79 58 54	9	0.34	124	16.8	17.1
166	5 01 32.7	+80 14 22	6	0.30	42	16.9	16.8
167	4 46 56.3	+79 39 39	9	0.79	104	16.9	17.1
168	4 54 52.4	+79 48 49	7	0.52	148	16.9	16.8
169	4 59 35.5	+80 05 60	9	0.21	117	16.9	16.9
170	5 09 58.9	+79 39 35	7	0.73	8	16.9	16.9
171	4 56 21.5	+80 31 17	4	0.46	100	16.9	16.5
172	4 58 57.5	+80 13 50	7	0.14	165	16.9	16.9
173	5 01 51.9	+79 24 01	7	0.10	114	16.9	16.8
174	4 46 04.0	+79 48 33	7	0.66	124	16.9	16.9
175	5 00 53.8	+80 19 02	7	0.36	178	16.9	16.9
176	4 56 45.7	+80 00 54	9	0.36	112	16.9	17.1
177	4 56 08.4	+79 29 00	6	0.32	103	16.9	16.8
178	5 00 28.8	+80 11 05	7	0.10	147	16.9	16.9
179	4 56 21.5	+80 31 17	4	0.46	100	16.9	16.5
180	5 00 19.7	+80 06 11	7	0.34	69	16.9	16.7
181	5 01 16.2	+79 31 25	9	0.77	98	16.9	17.2
182	4 58 29.7	+79 54 34	6	0.21	151	16.9	16.9

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N	α	δ	R_1	ϵ	θ	m_T	m_a
1	8 28 31.9	+30 25 56	21	0.28	15	13.1	14.0
2	8 28 44.1	+30 24 17	19	0.21	150	13.6	14.3
3	8 28 26.3	+30 24 30	16	0.19	78	14.2	14.5
4	8 27 10.8	+30 14 35	9	0.10	50	14.4	14.6
5	8 28 34.6	+30 15 57	16	0.10	111	14.7	15.1
6	8 28 57.1	+30 26 59	10	0.23	116	14.8	14.9
7	8 28 22.2	+30 26 34	20	0.10	121	14.8	15.3
8	8 29 59.0	+30 43 40	14	0.14	81	14.8	15.4
9	8 28 24.5	+30 27 56	10	0.29	88	14.9	15.1
10	8 26 57.8	+30 16 03	9	0.64	31	14.9	15.1
11	8 29 26.1	+30 25 27	14	0.67	104	14.9	15.4
12	8 28 32.0	+30 26 18	8	0.70	96	15.1	15.2
13	8 29 52.5	+30 33 53	9	0.53	105	15.1	15.2
14	8 26 11.3	+30 16 08	7	0.35	32	15.1	15.1
15	8 29 33.8	+30 59 41	9	0.60	77	15.1	15.1
16	8 28 22.8	+30 21 22	11	0.14	100	15.2	15.4
17	8 28 05.7	+30 27 07	15	0.10	69	15.2	15.4
18	8 28 50.7	+30 35 46	10	0.24	89	15.2	15.3
19	8 29 00.3	+30 19 39	12	0.11	125	15.3	15.4
20	8 29 37.5	+29 59 10	10	0.23	37	15.3	15.4
21	8 29 27.4	+30 16 31	13	0.28	163	15.3	15.7
22	8 29 10.2	+30 23 04	11	0.15	126	15.3	15.5
23	8 28 23.7	+30 22 50	10	0.10	2	15.3	15.5
24	8 28 38.7	+30 21 42	26	0.59	65	15.3	16.9
25	8 30 23.2	+30 57 03	7	0.27	109	15.3	15.2
26	8 28 51.8	+30 09 17	8	0.10	66	15.4	15.5
27	8 30 19.6	+30 36 20	9	0.58	34	15.4	15.5
28	8 26 54.2	+30 45 33	10	0.10	2	15.4	15.6
29	8 28 27.5	+30 24 53	7	0.10	4	15.5	15.5
30	8 28 55.9	+30 30 10	9	0.17	173	15.5	15.6
31	8 30 15.5	+30 58 37	15	0.53	42	15.5	16.0
32	8 31 08.3	+30 53 43	11	0.36	50	15.5	15.7
33	8 29 39.5	+30 10 38	5	0.51	85	15.6	14.9
34	8 29 08.1	+31 01 24	14	0.74	35	15.6	16.0
35	8 30 28.3	+30 50 29	11	0.50	111	15.6	15.8
36	8 29 14.6	+30 11 11	10	0.33	74	15.6	15.8
37	8 26 15.8	+30 02 59	13	0.56	91	15.6	15.9
38	8 31 20.5	+30 23 17	8	0.54	51	15.7	15.7
39	8 30 50.1	+30 06 35	10	0.75	5	15.7	16.1
40	8 28 58.9	+30 27 28	8	0.14	44	15.7	15.7
41	8 27 56.1	+30 19 55	8	0.21	48	15.7	15.8
42	8 28 26.0	+30 33 17	4	0.48	55	15.7	14.5
43	8 29 23.3	+30 23 42	10	0.10	87	15.7	15.8
44	8 29 33.1	+29 58 49	11	0.12	31	15.7	15.9
45	8 28 37.6	+30 20 46	9	0.12	103	15.8	15.9
46	8 28 18.4	+30 27 58	12	0.67	69	15.8	16.1
47	8 28 44.0	+30 25 34	8	0.17	109	15.8	15.8
48	8 30 03.2	+30 15 10	9	0.75	98	15.8	16.1
49	8 30 56.6	+30 51 13	7	0.52	157	15.8	15.8
50	8 30 04.2	+30 48 46	4	0.26	106	15.8	14.7

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	8 28 27.3	+30 44 53	11	0.41	25	15.8	16.0
52	8 28 52.8	+30 33 04	8	0.26	43	15.8	15.8
53	8 28 32.0	+30 24 19	8	0.35	54	15.9	15.9
54	8 29 01.4	+30 31 17	9	0.22	129	15.9	16.1
55	8 28 02.5	+30 11 28	8	0.21	160	15.9	15.9
56	8 30 00.1	+30 03 34	9	0.16	130	15.9	16.0
57	8 28 16.5	+30 37 18	7	0.30	102	16.0	15.9
58	8 30 25.5	+30 42 05	15	0.13	92	16.0	16.3
59	8 27 27.8	+30 35 07	8	0.10	55	16.0	16.1
60	8 27 48.7	+30 55 04	9	0.15	1	16.0	16.1
61	8 29 57.4	+30 35 28	9	0.29	132	16.0	16.0
62	8 29 38.4	+30 36 39	7	0.18	147	16.0	15.9
63	8 28 10.1	+30 23 52	10	0.55	40	16.1	16.2
64	8 29 05.0	+30 49 01	10	0.10	150	16.1	16.3
65	8 29 04.9	+30 25 49	8	0.31	53	16.1	16.1
66	8 28 55.3	+30 02 37	8	0.10	45	16.1	16.2
67	8 30 49.6	+30 48 27	11	0.42	27	16.1	16.3
68	8 29 20.5	+30 22 36	7	0.11	139	16.2	16.2
69	8 26 20.7	+30 44 40	9	0.19	136	16.2	16.3
70	8 26 23.5	+30 30 42	10	0.47	61	16.2	16.3
71	8 29 25.6	+30 30 42	8	0.16	43	16.2	16.3
72	8 28 20.0	+30 40 24	13	0.73	139	16.2	16.9
73	8 27 16.8	+30 58 41	7	0.36	41	16.2	16.1
74	8 28 21.2	+30 59 27	10	0.48	114	16.3	16.5
75	8 31 15.5	+30 53 40	7	0.15	39	16.3	16.3
76	8 28 01.4	+30 45 21	7	0.10	125	16.3	16.2
77	8 28 26.3	+30 24 51	7	0.10	172	16.3	16.2
78	8 28 53.2	+29 51 49	10	0.44	47	16.3	16.5
79	8 29 02.5	+30 34 54	9	0.12	31	16.4	16.5
80	8 29 30.4	+30 32 17	9	0.13	57	16.4	16.5
81	8 29 08.2	+30 32 37	7	0.10	31	16.4	16.4
82	8 28 16.0	+30 21 10	7	0.10	12	16.4	16.4
83	8 29 20.3	+30 28 24	9	0.27	147	16.4	16.5
84	8 30 00.3	+31 01 48	9	0.47	157	16.5	16.8
85	8 30 33.1	+30 22 27	9	0.10	114	16.5	16.6
86	8 28 24.9	+30 18 00	9	0.21	170	16.5	16.5
87	8 27 01.6	+30 49 29	7	0.10	19	16.5	16.4
88	8 31 26.7	+30 37 45	9	0.43	152	16.5	16.6
89	8 30 28.3	+30 31 59	9	0.56	150	16.5	16.7
90	8 26 13.6	+31 01 10	7	0.30	98	16.5	16.5
91	8 28 52.7	+30 30 08	7	0.11	0	16.5	16.5
92	8 28 40.6	+30 21 03	8	0.16	36	16.5	16.5
93	8 28 49.1	+30 40 19	9	0.17	135	16.5	16.6
94	8 31 05.3	+30 19 35	7	0.14	178	16.5	16.5
95	8 28 33.4	+30 39 55	8	0.27	25	16.6	16.7
96	8 26 38.3	+30 25 49	9	0.19	113	16.6	16.7
97	8 28 41.6	+30 18 20	9	0.10	171	16.6	16.7
98	8 29 01.0	+30 25 56	8	0.33	136	16.6	16.6
99	8 28 41.6	+30 18 07	7	0.27	114	16.6	16.6
100	8 29 13.5	+30 20 55	8	0.21	67	16.6	16.6

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	8 29 04.2	+30 24 36	7	0.24	48	16.6	16.5
102	8 26 04.6	+31 00 45	8	0.25	22	16.6	16.6
103	8 28 25.6	+30 02 04	12	0.44	50	16.6	16.9
104	8 30 32.9	+30 28 48	8	0.13	84	16.6	16.6
105	8 29 47.1	+30 39 21	10	0.49	14	16.7	16.9
106	8 27 58.7	+30 36 34	12	0.30	70	16.7	17.0
107	8 28 28.5	+30 17 43	8	0.16	165	16.7	16.8
108	8 29 31.2	+31 01 25	9	0.17	49	16.7	16.7
109	8 28 39.8	+30 22 45	8	0.26	121	16.7	16.8
110	8 29 04.7	+30 11 04	8	0.19	158	16.7	16.7
111	8 29 59.6	+30 15 38	6	0.33	115	16.8	16.7
112	8 29 10.4	+30 26 36	9	0.61	61	16.8	17.0
113	8 26 27.8	+30 55 51	7	0.52	177	16.8	16.7
114	8 28 28.2	+30 56 06	8	0.28	35	16.8	16.8
115	8 30 51.8	+30 50 57	10	0.14	127	16.8	17.0
116	8 29 10.2	+30 15 54	8	0.35	114	16.8	16.9
117	8 31 24.6	+30 50 29	10	0.89	84	16.8	17.1
118	8 26 44.9	+30 47 27	8	0.26	0	16.8	16.8
119	8 29 28.5	+30 29 23	9	0.24	22	16.8	17.0
120	8 27 03.4	+30 09 18	8	0.40	146	16.8	16.9
121	8 26 48.5	+30 59 50	8	0.10	107	16.8	16.9
122	8 31 04.6	+30 43 50	8	0.10	79	16.9	16.9
123	8 29 07.5	+30 25 38	10	0.46	162	16.9	17.1
124	8 28 27.1	+30 36 52	7	0.34	120	16.9	16.8
125	8 31 23.3	+30 57 19	7	0.30	1	16.9	16.9
126	8 28 14.6	+30 10 20	8	0.53	124	16.9	16.9
127	8 31 23.8	+30 53 00	7	0.40	78	16.9	16.9
128	8 27 57.2	+30 37 35	9	0.29	88	16.9	17.0
129	8 29 17.5	+30 18 42	8	0.36	53	16.9	17.0
130	8 30 42.0	+30 19 21	8	0.10	161	16.9	16.9
131	8 27 53.7	+30 55 10	8	0.37	61	16.9	17.0
132	8 29 29.6	+30 39 00	8	0.16	57	17.0	17.0
133	8 30 58.3	+29 54 07	7	0.31	36	17.0	17.0
134	8 27 51.2	+30 25 11	8	0.10	36	17.0	17.1
135	8 29 40.5	+30 28 48	8	0.14	111	17.0	17.0
136	8 26 46.1	+30 46 06	9	0.24	45	17.0	17.1
137	8 28 50.4	+30 33 48	9	0.53	57	17.0	17.2
138	8 28 05.7	+30 04 16	8	0.17	153	17.0	17.0
139	8 30 03.1	+30 01 44	8	0.65	5	17.0	17.0
140	8 26 47.6	+30 23 01	9	0.11	110	17.0	17.1
141	8 29 08.5	+30 37 14	8	0.23	15	17.0	17.1
142	8 28 33.3	+30 28 31	8	0.42	81	17.0	17.0
143	8 28 38.6	+30 35 07	8	0.37	148	17.0	17.0
144	8 31 11.9	+30 37 03	9	0.51	86	17.0	17.1
145	8 26 57.1	+30 18 23	9	0.17	73	17.0	17.1
146	8 26 50.6	+30 04 23	7	0.16	56	17.0	16.9
147	8 28 34.3	+30 30 08	8	0.23	152	17.0	17.0
148	8 29 25.5	+30 16 14	5	0.19	127	17.1	16.9
149	8 28 29.5	+30 25 13	7	0.51	100	17.1	17.0
150	8 28 30.5	+30 52 03	8	0.10	167	17.1	17.1

Abell 671

N	α	δ	R_1	ϵ	θ	m_T	m_a
151	8 31 08.9	+30 24 00	7	0.53	43	17.1	17.1
152	8 27 41.0	+30 07 48	7	0.25	43	17.1	17.1
153	8 28 19.0	+30 29 55	9	0.10	24	17.1	17.2
154	8 31 30.7	+30 43 55	5	0.16	168	17.1	16.8
155	8 30 24.2	+30 18 14	8	0.19	27	17.1	17.2
156	8 28 37.5	+30 57 58	10	0.33	2	17.1	17.5
157	8 28 44.6	+30 43 35	8	0.42	43	17.1	17.1
158	8 29 38.7	+30 22 45	8	0.28	33	17.1	17.2
159	8 29 06.8	+30 25 30	7	0.29	54	17.1	17.1
160	8 30 13.8	+30 21 12	9	0.10	77	17.1	17.3
161	8 27 56.9	+30 29 27	8	0.10	12	17.1	17.2
162	8 26 05.2	+30 05 50	7	0.26	178	17.2	17.2
163	8 27 24.6	+30 59 40	9	0.52	19	17.2	17.3
164	8 28 33.6	+30 25 21	10	0.46	151	17.2	17.5
165	8 30 47.1	+30 20 03	8	0.22	29	17.2	17.2
166	8 31 22.5	+30 10 42	9	0.53	29	17.2	17.3
167	8 26 56.2	+30 23 00	9	0.26	99	17.2	17.4
168	8 28 32.7	+30 22 55	7	0.35	90	17.2	17.2
169	8 30 01.3	+30 42 09	7	0.17	86	17.2	17.2
170	8 29 16.9	+30 18 20	6	0.23	12	17.2	17.0
171	8 27 58.4	+30 37 30	8	0.36	35	17.2	17.3
172	8 28 02.9	+29 56 10	11	0.20	45	17.2	17.6
173	8 28 48.8	+30 59 09	8	0.19	102	17.2	17.2
174	8 30 01.9	+29 56 35	9	0.46	152	17.2	17.4
175	8 28 42.2	+30 34 14	8	0.20	58	17.2	17.2
176	8 27 04.3	+30 09 22	7	0.44	82	17.2	17.1

Abell 779

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	9 19 46.6	+33 44 55	39	0.21	26	11.3	13.7
2	9 19 24.1	+33 37 22	22	0.41	143	12.7	13.8
3	9 19 22.4	+33 44 30	20	0.47	85	13.2	14.1
4	9 19 17.4	+34 00 23	19	0.40	26	13.3	14.3
5	9 19 57.7	+33 55 35	18	0.31	162	13.3	14.1
6	9 19 19.0	+33 52 46	17	0.53	9	13.4	14.3
7	9 19 41.4	+33 44 15	17	0.10	90	13.5	14.3
8	9 18 25.7	+33 58 45	14	0.55	175	13.5	14.1
9	9 20 02.4	+33 42 36	17	0.13	83	13.5	14.1
10	9 18 19.1	+33 33 19	16	0.27	102	13.5	14.2
11	9 18 24.3	+33 51 56	18	0.21	128	13.6	14.3
12	9 20 45.7	+33 42 16	17	0.10	135	13.7	14.5
13	9 17 51.7	+33 58 19	17	0.10	27	13.8	14.4
14	9 18 35.2	+33 51 58	16	0.14	111	13.9	14.5
15	9 19 34.8	+33 53 14	13	0.21	59	13.9	14.3
16	9 20 08.4	+33 39 42	13	0.40	64	14.0	14.5
17	9 20 28.5	+33 39 12	12	0.18	3	14.0	14.3
18	9 19 27.2	+33 47 22	15	0.33	150	14.1	14.6
19	9 19 52.1	+33 38 56	12	0.10	147	14.2	14.5
20	9 20 13.4	+34 00 31	15	0.47	37	14.2	15.1
21	9 18 35.9	+33 50 59	9	0.13	110	14.2	14.3
22	9 18 41.5	+33 25 01	13	0.13	179	14.3	14.9
23	9 17 50.3	+33 55 42	15	0.23	79	14.4	14.8
24	9 19 16.5	+33 32 05	9	0.41	113	14.5	14.6
25	9 21 07.0	+33 29 21	15	0.60	127	14.7	15.3
26	9 18 37.3	+33 23 14	11	0.14	146	14.7	15.0
27	9 20 36.5	+33 22 06	9	0.60	81	14.7	14.8
28	9 20 27.8	+33 22 27	9	0.10	94	14.8	14.9
29	9 19 03.4	+33 23 32	11	0.35	120	14.8	15.1
30	9 20 26.1	+33 30 57	12	0.10	25	14.9	15.2
31	9 20 20.7	+34 06 22	6	0.17	170	15.0	14.5
32	9 18 04.7	+33 19 11	10	0.42	7	15.0	15.2
33	9 18 42.8	+33 56 28	11	0.13	165	15.0	15.2
34	9 21 01.9	+33 47 07	8	0.15	0	15.0	15.0
35	9 17 21.9	+34 07 08	14	0.39	84	15.0	15.6
36	9 19 45.5	+33 43 10	10	0.12	63	15.1	15.3
37	9 21 20.8	+33 41 30	11	0.16	22	15.1	15.5
38	9 19 10.6	+33 25 28	10	0.16	81	15.1	15.4
39	9 20 13.0	+33 37 59	11	0.44	28	15.2	15.4
40	9 18 38.9	+33 26 27	12	0.51	8	15.2	15.6
41	9 18 42.4	+33 44 49	11	0.20	129	15.2	15.5
42	9 18 49.3	+33 47 36	14	0.53	123	15.2	15.8
43	9 20 40.8	+34 02 10	10	0.13	105	15.3	15.6
44	9 20 08.2	+33 59 57	6	0.31	77	15.3	14.8
45	9 18 58.6	+34 07 54	10	0.28	122	15.3	15.6
46	9 19 43.2	+33 30 08	8	0.10	25	15.3	15.3
47	9 20 37.4	+33 38 37	11	0.62	153	15.4	16.0
48	9 21 06.0	+33 34 21	12	0.59	14	15.4	15.8
49	9 17 35.9	+33 39 06	10	0.22	91	15.4	15.5
50	9 20 47.8	+33 40 48	10	0.35	117	15.4	15.5

Abell 779

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	9 18 52.7	+33 29 19	10	0.10	2	15.4	15.6
52	9 17 54.4	+33 56 48	10	0.40	7	15.4	15.6
53	9 19 05.7	+33 55 43	10	0.20	105	15.5	15.7
54	9 21 09.2	+33 40 38	9	0.12	114	15.5	15.6
55	9 17 33.3	+33 23 06	10	0.25	84	15.5	15.8
56	9 18 17.4	+34 09 29	8	0.15	127	15.6	15.6
57	9 20 02.0	+33 27 55	9	0.22	51	15.6	15.7
58	9 19 38.2	+33 36 11	9	0.30	84	15.6	15.8
59	9 19 39.4	+33 57 10	8	0.10	113	15.7	15.8
60	9 19 30.3	+33 35 39	9	0.25	93	15.7	15.9
61	9 19 58.4	+34 05 49	7	0.12	129	15.7	15.7
62	9 17 10.0	+33 38 49	11	0.56	68	15.7	16.0
63	9 17 51.0	+33 55 59	5	0.28	21	15.7	15.0
64	9 21 01.4	+33 22 46	8	0.25	86	15.7	15.8
65	9 20 46.3	+33 30 41	11	0.29	88	15.8	16.0
66	9 20 54.9	+33 18 55	9	0.28	77	15.8	15.9
67	9 18 28.7	+33 36 04	9	0.38	74	15.8	15.9
68	9 21 09.7	+34 00 58	8	0.14	93	15.8	15.8
69	9 20 36.8	+33 42 21	9	0.36	44	15.8	16.0
70	9 19 31.3	+33 40 27	5	0.51	94	15.9	14.9
71	9 20 45.6	+33 30 50	7	0.55	163	15.9	15.8
72	9 19 45.8	+33 59 22	7	0.14	66	15.9	15.8
73	9 20 07.7	+33 39 22	6	0.27	104	15.9	15.3
74	9 21 22.5	+33 26 07	9	0.25	75	16.0	16.1
75	9 19 31.5	+33 20 12	8	0.12	113	16.0	16.1
76	9 19 43.3	+33 36 55	5	0.39	125	16.0	15.2
77	9 21 10.7	+33 36 43	8	0.30	6	16.0	16.0
78	9 20 35.8	+33 48 20	8	0.17	123	16.0	16.0
79	9 19 27.8	+33 52 17	9	0.39	48	16.1	16.3
80	9 19 56.2	+33 51 06	8	0.13	115	16.1	16.2
81	9 17 44.4	+33 41 14	8	0.26	28	16.1	16.2
82	9 18 44.5	+33 43 47	9	0.31	20	16.1	16.1
83	9 19 51.3	+33 19 47	10	0.25	73	16.1	16.3
84	9 21 11.0	+33 19 37	10	0.41	65	16.1	16.2
85	9 17 35.4	+33 35 01	9	0.29	120	16.1	16.2
86	9 20 56.9	+33 26 59	11	0.15	100	16.1	16.3
87	9 20 11.7	+33 58 46	5	0.61	110	16.1	15.0
88	9 19 25.6	+33 35 45	8	0.14	18	16.1	16.1
89	9 19 22.0	+33 36 10	9	0.34	49	16.1	16.1
90	9 17 45.2	+34 09 15	9	0.32	78	16.2	16.3
91	9 18 17.2	+33 32 33	9	0.14	150	16.2	16.3
92	9 20 05.3	+33 23 07	9	0.31	122	16.2	16.4
93	9 20 29.2	+34 06 31	9	0.41	68	16.2	16.3
94	9 20 42.5	+33 22 41	8	0.10	50	16.2	16.2
95	9 19 20.5	+33 57 05	8	0.16	102	16.2	16.2
96	9 17 44.6	+34 03 00	8	0.39	89	16.2	16.2
97	9 17 58.3	+33 44 05	8	0.20	117	16.2	16.3
98	9 20 27.7	+33 50 34	9	0.22	117	16.2	16.4
99	9 19 41.6	+33 27 50	7	0.25	87	16.2	16.1
100	9 19 56.2	+33 49 10	8	0.24	104	16.2	16.2

Abell 1700

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	13 13 55.3	+28 41 59	8	0.34	57	14.9	15.2
2	13 14 54.4	+28 43 23	9	0.36	49	15.0	15.6
3	13 14 39.7	+28 44 35	8	0.10	153	15.0	15.3
4	13 14 11.5	+28 35 37	7	0.25	28	15.2	15.4
5	13 14 48.2	+28 44 02	9	0.71	144	15.9	16.6
6	13 14 47.9	+28 45 25	5	0.34	45	15.9	15.9
7	13 14 44.7	+28 38 31	6	0.13	167	16.0	16.0
8	13 14 02.2	+28 38 40	6	0.10	29	16.0	16.1
9	13 14 40.6	+28 49 18	6	0.38	113	16.0	16.2
10	13 14 52.8	+28 43 21	7	0.26	54	16.1	16.5
11	13 13 47.7	+28 46 30	7	0.53	36	16.2	16.5
12	13 14 02.1	+28 50 28	5	0.42	36	16.2	16.2
13	13 15 14.9	+28 44 15	7	0.71	172	16.3	16.6
14	13 15 00.2	+28 43 59	6	0.18	12	16.3	16.3
15	13 15 00.1	+28 51 57	6	0.45	135	16.4	16.5
16	13 13 51.5	+28 36 17	5	0.12	125	16.4	16.4
17	13 14 23.1	+28 43 08	6	0.10	39	16.4	16.5
18	13 14 53.6	+28 55 02	6	0.19	174	16.4	16.6
19	13 14 07.0	+28 43 48	6	0.61	87	16.5	16.7
20	13 14 12.9	+28 42 35	6	0.12	51	16.5	16.6
21	13 14 43.4	+28 48 34	5	0.12	165	16.5	16.5
22	13 14 28.5	+28 46 21	7	0.89	171	16.6	16.9
23	13 14 26.4	+28 38 41	6	0.10	66	16.6	16.7
24	13 15 17.0	+28 51 09	5	0.10	5	16.6	16.6
25	13 13 41.6	+28 55 07	6	0.27	111	16.6	16.6
26	13 14 52.2	+28 46 18	5	0.24	96	16.7	16.6
27	13 14 52.4	+28 42 16	5	0.17	142	16.7	16.6
28	13 15 12.6	+28 44 07	5	0.14	15	16.7	16.7
29	13 15 02.1	+28 40 10	5	0.36	97	16.8	16.8
30	13 15 08.4	+28 46 25	5	0.42	27	16.8	16.8
31	13 14 34.9	+28 45 42	5	0.11	117	16.8	16.7
32	13 14 17.0	+28 54 60	6	0.14	142	16.8	16.9
33	13 13 37.7	+28 42 00	7	0.12	151	16.8	17.1
34	13 14 49.4	+28 48 12	5	0.61	104	16.8	16.9
35	13 14 32.7	+28 54 01	4	0.10	23	16.9	16.8
36	13 13 53.4	+28 43 43	6	0.21	135	16.9	17.0
37	13 14 01.6	+28 37 42	4	0.14	1	16.9	16.8
38	13 15 16.4	+28 40 60	5	0.13	30	16.9	16.8
39	13 13 46.8	+28 48 41	6	0.18	30	16.9	17.0
40	13 14 35.1	+28 43 15	5	0.14	123	16.9	16.8
41	13 14 11.1	+28 40 06	5	0.13	18	16.9	16.9
42	13 14 38.3	+28 43 29	5	0.15	90	16.9	16.9
43	13 14 59.9	+28 33 59	5	0.31	141	17.0	16.9
44	13 14 35.7	+28 39 17	5	0.19	98	17.0	16.9
45	13 14 34.3	+28 39 21	5	0.25	144	17.0	17.0
46	13 14 08.2	+28 47 07	5	0.39	128	17.0	17.1
47	13 15 04.0	+28 50 27	6	0.41	174	17.0	17.1
48	13 14 33.0	+28 42 27	7	0.14	96	17.0	17.2
49	13 14 20.0	+28 54 56	5	0.18	163	17.0	17.0
50	13 14 50.5	+28 44 18	5	0.25	164	17.0	16.9

Abell 1700

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	13 14 57.1	+28 53 29	4	0.10	166	17.0	16.8
52	13 15 17.0	+28 50 10	5	0.13	10	17.0	17.0
53	13 15 18.1	+28 39 34	5	0.36	5	17.1	17.1
54	13 15 09.5	+28 43 55	5	0.50	127	17.1	17.1
55	13 14 08.1	+28 40 47	5	0.24	50	17.1	17.0
56	13 14 51.1	+28 52 08	5	0.33	129	17.1	17.1
57	13 14 28.2	+28 39 01	5	0.19	37	17.1	17.1
58	13 15 04.3	+28 50 46	4	0.16	144	17.1	16.9
59	13 14 13.2	+28 41 58	6	0.62	50	17.1	17.3
60	13 13 42.2	+28 36 21	5	0.15	152	17.1	17.0
61	13 14 46.8	+28 38 54	5	0.47	68	17.2	17.2
62	13 14 42.2	+28 41 29	5	0.36	109	17.2	17.2
63	13 14 07.7	+28 51 02	5	0.14	30	17.2	17.2
64	13 13 59.1	+28 49 36	5	0.28	32	17.2	17.2
65	13 14 44.2	+28 53 43	4	0.22	151	17.2	17.0
66	13 13 51.0	+28 47 13	4	0.12	149	17.2	17.1
67	13 13 37.7	+28 53 58	6	0.31	20	17.2	17.3
68	13 14 50.9	+28 45 38	5	0.34	62	17.3	17.2
69	13 14 02.2	+28 54 29	5	0.23	20	17.3	17.2
70	13 13 42.6	+28 51 38	5	0.14	89	17.3	17.3
71	13 13 42.8	+28 41 35	5	0.32	146	17.3	17.3
72	13 13 57.8	+28 49 03	5	0.35	112	17.3	17.3
73	13 14 52.7	+28 43 42	4	0.10	84	17.3	17.2
74	13 14 32.2	+28 45 58	5	0.14	6	17.3	17.2
75	13 14 58.6	+28 35 17	5	0.19	107	17.4	17.3
76	13 13 38.3	+28 44 13	4	0.14	162	17.4	17.2
77	13 14 41.8	+28 51 17	5	0.26	23	17.4	17.4
78	13 14 38.0	+28 46 05	4	0.17	51	17.4	17.3
79	13 14 36.1	+28 47 29	5	0.20	99	17.5	17.5
80	13 13 59.4	+28 48 04	5	0.16	31	17.5	17.4
81	13 13 54.9	+28 53 43	5	0.42	148	17.5	17.5
82	13 15 16.3	+28 40 12	5	0.45	18	17.5	17.4
83	13 14 47.8	+28 40 22	4	0.44	3	17.5	17.4
84	13 14 40.5	+28 35 12	4	0.23	75	17.5	17.4
85	13 14 16.0	+28 41 45	4	0.18	100	17.5	17.4
86	13 13 57.2	+28 51 58	5	0.10	110	17.5	17.5
87	13 15 05.3	+28 50 35	5	0.36	172	17.5	17.4
88	13 14 11.6	+28 39 09	4	0.10	53	17.5	17.3
89	13 13 35.3	+28 54 58	5	0.22	15	17.6	17.5
90	13 14 51.7	+28 41 29	5	0.49	170	17.6	17.5
91	13 14 42.2	+28 53 06	4	0.18	150	17.6	17.5
92	13 15 00.2	+28 35 12	4	0.33	106	17.6	17.3
93	13 14 54.6	+28 47 21	4	0.67	178	17.6	17.5
94	13 13 39.9	+28 49 25	5	0.16	29	17.6	17.6
95	13 15 12.6	+28 46 59	5	0.28	79	17.6	17.6
96	13 13 58.5	+28 50 50	5	0.63	95	17.6	17.7
97	13 14 41.1	+28 54 04	5	0.30	5	17.6	17.5
98	13 13 36.7	+28 33 24	4	0.11	89	17.6	17.4
99	13 15 08.1	+28 43 29	4	0.10	171	17.6	17.3
100	13 13 55.6	+28 35 40	5	0.13	75	17.6	17.6

Abell 1700

N	α	δ	R_1	ϵ	θ	m_T	m_a
101	13 14 53.8	+28 50 16	4	0.39	175	17.6	17.4
102	13 15 07.9	+28 33 38	4	0.42	4	17.6	17.6
103	13 14 34.8	+28 53 00	4	0.25	146	17.6	17.4
104	13 13 50.9	+28 40 06	5	0.55	124	17.7	17.5
105	13 13 44.4	+28 44 53	5	0.31	130	17.7	17.6
106	13 13 50.8	+28 53 00	5	0.21	164	17.7	17.7
107	13 15 15.3	+28 41 42	4	0.49	171	17.7	17.5
108	13 14 33.1	+28 39 04	4	0.17	170	17.7	17.6
109	13 14 29.0	+28 40 06	6	0.24	95	17.7	17.8
110	13 14 03.8	+28 45 45	5	0.34	80	17.8	17.8
111	13 15 10.7	+28 38 52	4	0.39	137	17.8	17.6
112	13 13 58.3	+28 41 22	4	0.27	9	17.8	17.7
113	13 14 59.8	+28 34 10	4	0.30	42	17.8	17.5
114	13 14 21.8	+28 41 30	4	0.24	119	17.8	17.5
115	13 13 38.2	+28 47 52	4	0.52	160	17.8	17.7
116	13 15 16.5	+28 51 49	4	0.32	134	17.8	17.7
117	13 14 06.3	+28 56 01	5	0.32	66	17.8	17.7
118	13 14 57.0	+28 37 32	4	0.17	12	17.9	17.6
119	13 14 05.8	+28 50 58	5	0.62	165	17.9	17.9
120	13 14 24.9	+28 46 26	5	0.10	42	17.9	17.9
121	13 13 40.4	+28 51 49	5	0.35	177	17.9	17.8
122	13 13 38.9	+28 46 46	5	0.36	1	17.9	17.9
123	13 14 39.0	+28 46 10	4	0.15	46	17.9	17.6
124	13 14 50.4	+28 41 43	5	0.36	142	17.9	17.9
125	13 14 29.2	+28 53 04	4	0.14	16	17.9	17.4
126	13 14 36.4	+28 36 19	4	0.56	170	18.0	17.8
127	13 14 25.9	+28 48 06	5	0.31	163	18.0	17.9
128	13 13 39.7	+28 47 26	5	0.10	120	18.0	18.0
129	13 13 55.6	+28 46 37	5	0.45	179	18.0	17.9

Abell 2028

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	15 09 28.1	+07 33 23	15	0.11	97	14.1	14.8
2	15 09 20.7	+07 38 18	15	0.61	66	14.2	15.1
3	15 10 10.9	+07 37 42	14	0.10	76	14.4	15.2
4	15 09 33.8	+07 30 53	9	0.12	48	15.1	15.3
5	15 09 16.8	+07 37 59	8	0.18	66	15.3	15.4
6	15 08 57.9	+07 37 10	8	0.25	62	15.3	15.4
7	15 10 03.9	+07 40 35	8	0.10	17	15.3	15.4
8	15 09 44.6	+07 27 34	8	0.21	137	15.3	15.4
9	15 09 45.3	+07 30 22	9	0.22	62	15.4	15.6
10	15 09 41.5	+07 27 22	8	0.36	178	15.4	15.5
11	15 09 52.5	+07 29 02	9	0.62	141	15.4	15.7
12	15 10 21.9	+07 39 17	8	0.37	168	15.5	15.5
13	15 09 22.1	+07 36 48	10	0.68	21	15.7	16.0
14	15 09 29.5	+07 30 32	7	0.24	42	15.8	15.8
15	15 09 33.6	+07 16 44	6	0.45	75	15.9	15.9
16	15 10 08.8	+07 39 28	7	0.16	64	15.9	16.0
17	15 10 13.0	+07 36 44	8	0.37	110	15.9	16.0
18	15 09 29.4	+07 30 43	6	0.20	32	15.9	15.8
19	15 09 47.9	+07 24 26	6	0.14	10	16.0	15.8
20	15 08 45.7	+07 18 46	6	0.24	54	16.0	15.9
21	15 09 25.2	+07 33 17	6	0.56	164	16.0	15.8
22	15 09 28.3	+07 33 42	8	0.28	163	16.1	16.3
23	15 09 42.0	+07 31 08	7	0.43	6	16.1	16.1
24	15 09 27.0	+07 33 36	7	0.23	44	16.1	16.1
25	15 09 16.1	+07 27 55	7	0.17	22	16.1	16.2
26	15 10 05.0	+07 21 00	7	0.29	177	16.1	16.1
27	15 10 12.5	+07 27 16	7	0.17	136	16.1	16.1
28	15 09 46.4	+07 28 56	7	0.17	80	16.2	16.2
29	15 10 16.6	+07 34 03	7	0.10	42	16.2	16.2
30	15 09 05.1	+07 37 10	7	0.34	13	16.2	16.2
31	15 10 24.7	+07 35 48	6	0.10	169	16.3	16.3
32	15 09 04.1	+07 17 15	8	0.47	44	16.3	16.4
33	15 09 18.9	+07 37 27	7	0.27	27	16.3	16.3
34	15 10 14.7	+07 23 50	7	0.62	100	16.4	16.4
35	15 09 16.9	+07 33 49	7	0.16	107	16.4	16.4
36	15 09 28.3	+07 39 35	6	0.39	148	16.4	16.4
37	15 09 06.8	+07 33 15	6	0.10	54	16.4	16.3
38	15 09 35.6	+07 33 30	6	0.20	24	16.4	16.3
39	15 09 38.3	+07 31 50	7	0.35	76	16.5	16.5
40	15 08 58.0	+07 32 13	6	0.22	18	16.5	16.3
41	15 09 44.2	+07 28 40	6	0.25	73	16.5	16.4
42	15 10 07.2	+07 33 32	6	0.26	32	16.6	16.6
43	15 09 19.3	+07 37 36	5	0.16	106	16.6	16.3
44	15 09 57.1	+07 31 50	5	0.14	3	16.6	16.5
45	15 08 49.2	+07 17 52	6	0.18	36	16.6	16.6
46	15 10 22.4	+07 19 26	6	0.12	8	16.6	16.6
47	15 10 14.5	+07 35 40	6	0.36	174	16.6	16.5
48	15 09 21.9	+07 30 55	5	0.31	176	16.6	16.4
49	15 08 48.0	+07 37 33	6	0.25	25	16.7	16.6
50	15 09 15.8	+07 39 13	6	0.18	16	16.7	16.7

Abell 2028

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	15 09 38.1	+07 34 29	6	0.29	150	16.7	16.6
52	15 10 05.9	+07 38 00	6	0.27	96	16.7	16.7
53	15 10 06.5	+07 39 26	6	0.21	97	16.7	16.6
54	15 08 54.8	+07 35 32	6	0.14	12	16.7	16.6
55	15 09 32.3	+07 32 00	6	0.30	81	16.7	16.7
56	15 08 49.1	+07 17 59	5	0.10	24	16.8	16.6

Abell 2040

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	15 13 13.1	+07 13 30	14	0.56	19	13.7	14.4
2	15 13 02.4	+07 17 33	15	0.32	31	13.7	14.4
3	15 12 47.4	+07 26 01	17	0.14	125	14.0	14.7
4	15 12 23.5	+07 18 26	14	0.30	139	14.2	14.8
5	15 12 34.3	+07 25 50	11	0.12	39	14.5	14.8
6	15 12 50.6	+07 25 25	12	0.15	159	14.5	15.1
7	15 12 54.1	+07 20 39	12	0.10	54	14.5	15.1
8	15 12 43.8	+07 33 34	11	0.35	137	14.5	14.8
9	15 11 53.7	+07 27 47	10	0.34	3	14.5	14.8
10	15 12 43.2	+07 26 47	12	0.16	126	14.7	15.2
11	15 11 57.3	+07 31 04	11	0.29	152	14.7	15.2
12	15 12 06.3	+07 36 18	7	0.11	173	14.7	14.7
13	15 13 10.5	+07 17 04	10	0.36	125	14.8	15.1
14	15 13 32.4	+07 13 40	9	0.18	17	14.8	15.0
15	15 13 09.9	+07 26 14	11	0.64	133	14.8	15.1
16	15 12 52.5	+07 14 14	8	0.64	49	14.8	14.9
17	15 12 35.0	+07 29 32	9	0.10	178	15.0	15.2
18	15 13 17.9	+07 10 21	6	0.10	48	15.1	15.1
19	15 13 06.5	+07 12 04	7	0.17	55	15.1	15.1
20	15 12 21.6	+07 18 10	9	0.11	170	15.1	15.2
21	15 12 37.6	+07 27 04	9	0.15	98	15.1	15.4
22	15 13 11.3	+07 37 16	8	0.19	103	15.1	15.2
23	15 12 03.7	+07 15 01	10	0.20	12	15.2	15.5
24	15 12 23.4	+07 29 45	10	0.62	43	15.2	15.5
25	15 12 11.2	+07 33 48	9	0.65	46	15.2	15.4
26	15 12 46.9	+07 25 32	7	0.31	76	15.3	15.3
27	15 13 13.8	+07 38 29	6	0.10	70	15.3	15.3
28	15 13 39.7	+07 26 29	6	0.10	119	15.3	15.2
29	15 12 39.4	+07 31 07	8	0.11	64	15.3	15.4
30	15 12 11.5	+07 14 13	8	0.21	84	15.4	15.5
31	15 11 51.6	+07 28 17	6	0.15	45	15.4	15.3
32	15 12 20.6	+07 19 05	5	0.10	44	15.4	15.3
33	15 13 02.2	+07 19 28	9	0.19	153	15.4	15.5
34	15 12 36.2	+07 11 47	6	0.10	157	15.4	15.4
35	15 12 13.4	+07 33 20	6	0.10	12	15.4	15.4
36	15 12 56.4	+07 30 28	7	0.15	163	15.4	15.4
37	15 13 31.9	+07 31 13	8	0.35	118	15.4	15.5
38	15 12 01.0	+07 23 20	8	0.10	38	15.5	15.5
39	15 13 03.2	+07 19 31	8	0.42	159	15.5	15.6
40	15 12 27.5	+07 30 42	7	0.10	82	15.5	15.6
41	15 12 47.1	+07 27 11	8	0.32	169	15.5	15.5
42	15 13 29.1	+07 20 16	8	0.10	126	15.5	15.6
43	15 12 58.4	+07 31 24	8	0.13	51	15.5	15.6
44	15 11 54.3	+07 13 03	6	0.12	40	15.5	15.5
45	15 12 18.6	+07 21 45	6	0.10	154	15.5	15.4
46	15 12 24.1	+07 41 32	9	0.35	148	15.5	15.7
47	15 13 37.0	+07 25 08	6	0.10	147	15.6	15.5
48	15 12 52.4	+07 30 31	9	0.65	81	15.6	15.8
49	15 13 23.2	+07 26 14	8	0.10	2	15.6	15.7
50	15 12 32.4	+07 33 22	8	0.27	13	15.6	15.6

Abell 2040

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	15 13 07.4	+07 25 29	8	0.14	104	15.6	15.7
52	15 11 51.0	+07 16 35	6	0.10	92	15.7	15.7
53	15 12 43.4	+07 30 13	7	0.10	69	15.7	15.7
54	15 13 50.3	+07 13 28	6	0.12	32	15.7	15.6
55	15 12 40.8	+07 21 38	8	0.10	138	15.7	15.7
56	15 13 53.0	+07 21 39	6	0.15	90	15.7	15.7
57	15 13 02.9	+07 28 27	7	0.31	94	15.7	15.7
58	15 13 14.2	+07 26 28	8	0.44	10	15.7	15.8
59	15 12 50.4	+07 28 22	7	0.14	85	15.7	15.8
60	15 12 22.5	+07 38 35	6	0.25	76	15.8	15.8
61	15 12 15.9	+07 22 35	6	0.23	41	15.8	15.7
62	15 12 28.5	+07 35 59	6	0.14	73	15.8	15.7
63	15 13 05.3	+07 27 35	8	0.36	90	15.9	16.0
64	15 12 13.3	+07 40 52	7	0.19	162	15.9	15.9
65	15 13 46.7	+07 14 36	6	0.13	16	15.9	15.8
66	15 11 58.4	+07 30 05	6	0.10	147	15.9	15.8
67	15 12 46.8	+07 20 30	8	0.10	165	15.9	16.0
68	15 12 03.3	+07 24 33	6	0.11	3	15.9	15.8
69	15 12 27.1	+07 21 42	7	0.38	95	15.9	15.9
70	15 11 53.6	+07 41 20	7	0.10	57	15.9	15.9
71	15 12 26.2	+07 23 23	6	0.10	47	15.9	15.8
72	15 12 45.8	+07 32 01	6	0.12	0	15.9	15.8
73	15 13 21.8	+07 29 23	7	0.16	83	16.0	16.0
74	15 12 46.6	+07 31 31	6	0.23	21	16.0	15.9
75	15 12 20.7	+07 32 49	7	0.35	175	16.0	16.0
76	15 12 26.1	+07 24 55	8	0.13	117	16.0	16.1
77	15 12 06.6	+07 17 07	6	0.10	17	16.0	15.9
78	15 12 19.9	+07 31 18	7	0.15	54	16.0	16.0
79	15 12 11.1	+07 18 44	5	0.16	63	16.1	16.0
80	15 12 18.9	+07 11 58	6	0.21	17	16.1	16.1
81	15 12 44.6	+07 19 35	6	0.12	48	16.1	16.1
82	15 12 33.8	+07 37 13	6	0.13	42	16.1	16.0
83	15 13 14.5	+07 35 31	6	0.37	165	16.1	16.0
84	15 13 20.0	+07 26 11	6	0.30	44	16.2	16.2
85	15 13 01.5	+07 11 59	6	0.20	27	16.2	16.1
86	15 13 41.2	+07 11 50	7	0.33	165	16.2	16.2
87	15 13 34.3	+07 26 33	6	0.10	10	16.2	16.0
88	15 13 08.4	+07 12 48	5	0.10	165	16.2	16.0
89	15 11 55.1	+07 39 05	7	0.10	43	16.2	16.2
90	15 12 41.3	+07 36 18	8	0.16	112	16.2	16.3
91	15 13 54.8	+07 19 37	5	0.10	109	16.3	16.2
92	15 12 44.6	+07 27 58	6	0.14	2	16.3	16.2
93	15 12 14.4	+07 41 36	7	0.21	112	16.3	16.4
94	15 13 06.6	+07 22 49	6	0.10	30	16.3	16.2
95	15 12 05.6	+07 33 40	6	0.10	156	16.3	16.2
96	15 12 01.3	+07 14 12	7	0.10	46	16.3	16.3
97	15 12 04.6	+07 18 31	6	0.18	5	16.3	16.2
98	15 12 47.6	+07 30 01	8	0.32	96	16.3	16.4
99	15 12 48.5	+07 26 39	7	0.27	11	16.3	16.4
100	15 12 31.8	+07 40 17	7	0.23	25	16.3	16.4

Abell 2040

N	α	δ	R_1	ϵ	θ	m_T	m_a
101	15 13 21.2	+07 11 17	6	0.14	18	16.4	16.2
102	15 12 49.5	+07 21 21	7	0.39	1	16.4	16.5
103	15 12 34.0	+07 27 32	5	0.13	96	16.4	16.3
104	15 12 37.4	+07 21 53	7	0.14	97	16.4	16.3
105	15 12 18.6	+07 24 19	5	0.10	143	16.4	16.3
106	15 12 52.3	+07 36 02	6	0.32	158	16.5	16.5
107	15 12 13.3	+07 37 08	6	0.14	117	16.5	16.3
108	15 11 48.4	+07 16 46	6	0.10	155	16.5	16.4
109	15 12 50.6	+07 26 25	7	0.10	3	16.5	16.5
110	15 12 59.9	+07 24 43	6	0.19	39	16.5	16.4
111	15 11 55.7	+07 15 09	7	0.26	55	16.5	16.5
112	15 12 21.7	+07 27 08	6	0.10	72	16.5	16.4
113	15 12 03.5	+07 20 47	7	0.50	109	16.5	16.5
114	15 12 07.2	+07 17 22	5	0.24	25	16.5	16.3
115	15 12 30.3	+07 38 04	7	0.30	96	16.5	16.5
116	15 12 39.6	+07 27 43	6	0.26	164	16.6	16.6
117	15 11 56.6	+07 36 06	6	0.18	38	16.6	16.5
118	15 13 52.2	+07 32 12	6	0.10	111	16.6	16.5
119	15 11 51.7	+07 37 55	7	0.40	62	16.6	16.7
120	15 12 33.5	+07 41 43	6	0.19	26	16.6	16.4
121	15 12 25.3	+07 29 40	7	0.33	24	16.6	16.7
122	15 12 32.9	+07 41 40	6	0.17	26	16.6	16.4
123	15 12 11.5	+07 42 02	6	0.10	45	16.7	16.6
124	15 12 54.3	+07 20 18	6	0.10	45	16.7	16.6
125	15 13 32.9	+07 17 03	6	0.27	35	16.7	16.6
126	15 11 58.6	+07 10 13	6	0.31	11	16.7	16.5
127	15 13 55.9	+07 39 41	6	0.25	11	16.7	16.6
128	15 13 45.6	+07 41 31	5	0.10	129	16.7	16.6
129	15 12 45.0	+07 24 25	5	0.35	103	16.7	16.5
130	15 12 19.8	+07 20 19	6	0.10	77	16.7	16.6
131	15 11 57.1	+07 38 51	8	0.28	127	16.8	16.9
132	15 12 38.9	+07 36 38	5	0.16	29	16.8	16.6
133	15 12 38.2	+07 36 30	6	0.17	57	16.8	16.6
134	15 13 40.0	+07 26 09	5	0.27	73	16.8	16.6
135	15 12 08.3	+07 10 38	5	0.37	87	16.8	16.7
136	15 12 22.8	+07 14 26	6	0.34	79	16.8	16.7
137	15 13 11.6	+07 25 07	6	0.12	110	16.8	16.6
138	15 12 59.1	+07 36 34	7	0.51	15	16.8	16.8
139	15 12 50.9	+07 24 20	6	0.12	40	16.8	16.8
140	15 12 06.0	+07 32 10	5	0.20	171	16.8	16.6
141	15 13 18.0	+07 35 59	5	0.10	104	16.9	16.5
142	15 13 46.1	+07 13 20	6	0.14	34	16.9	16.8
143	15 12 44.0	+07 18 17	6	0.10	86	16.9	16.7
144	15 13 22.1	+07 18 34	6	0.29	156	16.9	16.8
145	15 13 50.0	+07 32 49	4	0.22	8	16.9	16.6
146	15 12 48.1	+07 38 59	5	0.22	76	17.0	16.8
147	15 12 11.5	+07 41 01	6	0.36	61	17.0	16.9
148	15 12 00.9	+07 37 49	5	0.23	44	17.0	16.8
149	15 12 47.4	+07 32 14	5	0.25	152	17.0	16.7
150	15 12 57.4	+07 25 05	5	0.18	69	17.0	16.6

Abell 2040

N	α	δ	R_1	ϵ	θ	m_T	m_a
151	15 12 36.9	+07 39 55	6	0.25	42	17.0	16.9
152	15 13 29.3	+07 22 05	5	0.54	32	17.0	16.7

Abell 2052

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	15 16 44.4	+ 7 01 15	31	0.27	124	12.6	14.4
2	15 18 50.9	+ 6 26 02	22	0.35	146	13.1	14.3
3	15 17 47.2	+ 7 13 02	19	0.50	138	13.3	14.5
4	15 16 41.9	+ 7 23 59	25	0.83	8	13.3	14.4
5	15 16 19.1	+ 7 09 43	20	0.41	42	13.4	15.0
6	15 16 45.7	+ 7 00 13	16	0.10	145	13.6	14.6
7	15 17 05.0	+ 6 53 12	17	0.25	130	13.6	14.5
8	15 17 19.5	+ 7 23 38	11	0.20	104	13.7	14.4
9	15 16 31.7	+ 7 44 34	19	0.64	112	13.8	14.8
10	15 17 10.9	+ 6 56 20	17	0.75	148	13.9	14.7
11	15 15 31.4	+ 6 22 10	15	0.10	144	13.9	14.7
12	15 16 50.2	+ 6 55 57	10	0.35	160	14.0	14.5
13	15 13 38.4	+ 7 04 37	12	0.45	71	14.1	14.6
14	15 17 12.5	+ 7 01 39	11	0.12	10	14.1	14.6
15	15 15 30.4	+ 6 53 45	9	0.55	102	14.1	14.4
16	15 18 34.4	+ 7 18 31	10	0.13	129	14.1	14.7
17	15 13 20.4	+ 6 37 04	14	0.37	100	14.1	14.9
18	15 15 02.4	+ 6 35 20	13	0.22	22	14.2	14.7
19	15 17 57.9	+ 7 14 17	12	0.14	77	14.2	14.7
20	15 16 15.2	+ 6 47 44	12	0.42	100	14.2	14.7
21	15 17 21.5	+ 7 20 43	15	0.10	115	14.2	15.2
22	15 13 14.1	+ 6 27 59	8	0.17	45	14.3	14.5
23	15 18 32.2	+ 7 07 16	12	0.22	33	14.3	14.8
24	15 19 48.3	+ 7 38 31	15	0.34	13	14.3	14.9
25	15 13 14.7	+ 6 47 40	15	0.74	100	14.3	14.9
26	15 15 38.9	+ 7 08 24	8	0.10	143	14.3	14.5
27	15 13 55.9	+ 6 25 58	12	0.73	20	14.3	14.6
28	15 19 07.2	+ 7 33 42	13	0.41	82	14.4	15.1
29	15 17 40.1	+ 7 09 52	11	0.39	141	14.4	14.7
30	15 19 09.1	+ 7 43 48	8	0.64	91	14.4	14.6
31	15 16 04.4	+ 6 50 49	12	0.22	153	14.4	14.8
32	15 16 09.3	+ 7 04 37	8	0.14	172	14.4	14.6
33	15 17 51.2	+ 6 26 40	10	0.10	58	14.4	14.6
34	15 19 55.3	+ 6 47 49	8	0.20	152	14.4	14.7
35	15 19 58.9	+ 6 13 54	8	0.17	38	14.5	14.8
36	15 19 59.9	+ 6 11 16	8	0.21	129	14.5	14.7
37	15 13 27.7	+ 7 45 01	14	0.37	73	14.5	15.5
38	15 16 09.8	+ 6 57 02	12	0.13	152	14.5	15.0
39	15 16 37.4	+ 7 07 47	10	0.49	73	14.5	14.8
40	15 15 40.1	+ 7 06 29	8	0.10	167	14.5	14.7
41	15 13 19.2	+ 6 26 46	12	0.24	155	14.5	15.0
42	15 18 28.1	+ 7 39 28	14	0.32	161	14.5	15.3
43	15 14 05.2	+ 7 25 07	7	0.39	97	14.5	14.5
44	15 17 12.9	+ 7 14 21	11	0.19	73	14.5	14.9
45	15 17 24.3	+ 7 29 18	12	0.28	149	14.6	15.0
46	15 14 09.7	+ 7 24 55	9	0.10	134	14.6	14.7
47	15 14 08.0	+ 7 00 19	10	0.21	35	14.6	14.9
48	15 17 19.6	+ 7 36 45	9	0.64	106	14.6	14.9
49	15 15 51.5	+ 7 00 58	13	0.13	53	14.6	15.1
50	15 18 53.1	+ 7 21 40	10	0.70	140	14.6	15.0

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	15 16 52.2	+ 7 00 16	9	0.62	94	14.6	14.8
52	15 15 07.6	+ 7 01 15	11	0.42	171	14.6	15.0
53	15 17 58.0	+ 6 44 41	11	0.28	67	14.6	15.1
54	15 19 24.7	+ 6 50 09	9	0.19	38	14.6	14.7
55	15 16 33.1	+ 7 18 06	11	0.41	134	14.6	15.0
56	15 19 37.8	+ 7 32 21	7	0.10	159	14.7	14.8
57	15 17 36.3	+ 7 02 22	9	0.28	47	14.7	14.9
58	15 15 16.4	+ 6 39 16	11	0.27	176	14.7	15.1
59	15 18 04.2	+ 7 41 52	7	0.10	37	14.7	14.7
60	15 16 58.4	+ 7 14 55	9	0.26	70	14.7	14.9
61	15 13 32.7	+ 7 13 43	10	0.19	20	14.7	15.0
62	15 17 15.7	+ 7 05 54	10	0.11	109	14.7	15.0
63	15 18 26.4	+ 6 56 16	8	0.10	162	14.7	14.7
64	15 17 13.6	+ 7 11 03	12	0.27	108	14.7	15.1
65	15 16 37.1	+ 6 57 52	9	0.17	98	14.8	15.0
66	15 16 32.9	+ 6 53 35	9	0.12	158	14.8	15.0
67	15 18 16.9	+ 7 07 52	9	0.15	88	14.8	15.0
68	15 16 19.3	+ 7 05 08	10	0.48	110	14.8	15.1
69	15 13 47.2	+ 7 00 27	7	0.10	50	14.8	14.8
70	15 15 59.6	+ 7 39 51	9	0.10	12	14.8	15.0
71	15 16 32.5	+ 7 02 16	12	0.53	105	14.8	15.3
72	15 19 39.5	+ 7 40 37	12	0.61	58	14.8	15.2
73	15 13 37.0	+ 7 20 40	10	0.57	123	14.8	15.2
74	15 16 30.4	+ 7 09 29	7	0.38	108	14.8	14.8
75	15 13 47.6	+ 7 00 13	7	0.10	10	14.8	14.8
76	15 17 09.4	+ 6 33 32	10	0.26	65	14.8	15.1
77	15 15 18.0	+ 6 32 56	10	0.17	103	14.8	15.1
78	15 19 19.1	+ 6 11 12	10	0.10	25	14.8	15.0
79	15 16 09.8	+ 6 57 49	10	0.20	39	14.8	15.1
80	15 16 35.8	+ 7 05 06	9	0.31	115	14.9	15.0
81	15 19 05.6	+ 7 08 54	10	0.75	58	14.9	15.3
82	15 16 24.1	+ 7 05 59	8	0.10	81	14.9	15.0
83	15 16 10.6	+ 6 46 37	10	0.29	55	14.9	15.2
84	15 16 30.6	+ 6 57 04	8	0.10	155	14.9	15.0
85	15 18 51.6	+ 6 38 33	7	0.14	118	14.9	14.9
86	15 16 25.6	+ 7 12 53	9	0.16	118	14.9	15.0
87	15 16 47.1	+ 6 55 56	9	0.10	45	14.9	15.1
88	15 17 38.9	+ 6 38 37	11	0.71	101	14.9	15.4
89	15 18 09.2	+ 6 44 30	9	0.32	160	14.9	15.1
90	15 14 51.7	+ 7 14 47	10	0.56	116	14.9	15.1
91	15 19 11.2	+ 7 28 56	11	0.19	11	14.9	15.4
92	15 16 20.3	+ 7 05 00	10	0.26	113	14.9	15.4
93	15 16 44.0	+ 7 05 33	9	0.10	150	14.9	15.1
94	15 19 21.7	+ 7 05 05	8	0.25	70	14.9	14.9
95	15 18 53.4	+ 7 34 28	9	0.27	166	14.9	15.2
96	15 16 24.0	+ 7 25 58	10	0.44	131	15.0	15.3
97	15 17 35.7	+ 6 48 59	7	0.10	0	15.0	15.0
98	15 16 41.6	+ 7 01 43	7	0.22	75	15.0	15.1
99	15 14 57.4	+ 6 40 55	7	0.10	85	15.0	15.0
100	15 18 34.3	+ 7 12 00	8	0.50	103	15.0	15.1

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	15 16 50.0	+ 7 12 37	8	0.34	137	15.0	15.1
102	15 15 07.0	+ 7 18 53	10	0.22	160	15.0	15.4
103	15 17 10.5	+ 7 12 29	10	0.10	14	15.0	15.2
104	15 16 53.0	+ 7 24 48	10	0.25	99	15.0	15.3
105	15 19 48.0	+ 7 06 16	10	0.10	39	15.0	15.3
106	15 18 06.8	+ 6 43 17	11	0.51	7	15.0	15.3
107	15 17 39.3	+ 7 26 19	8	0.41	6	15.0	15.1
108	15 16 38.2	+ 7 10 37	7	0.24	47	15.0	15.1
109	15 13 28.9	+ 6 59 29	12	0.33	9	15.0	15.6
110	15 14 39.5	+ 7 26 05	7	0.10	58	15.0	15.0
111	15 18 45.3	+ 6 13 50	10	0.10	77	15.0	15.3
112	15 17 23.3	+ 7 16 34	10	0.10	32	15.0	15.2
113	15 19 00.1	+ 6 26 58	7	0.21	178	15.1	15.0
114	15 18 44.6	+ 6 16 21	10	0.10	103	15.1	15.5
115	15 13 34.1	+ 6 49 53	6	0.47	94	15.1	15.1
116	15 16 20.8	+ 6 25 47	7	0.37	92	15.1	15.1
117	15 19 44.5	+ 6 24 43	8	0.34	16	15.1	15.2
118	15 17 22.7	+ 7 26 59	10	0.32	5	15.1	15.4
119	15 16 54.9	+ 7 22 42	9	0.30	69	15.1	15.3
120	15 19 20.5	+ 6 58 58	7	0.16	131	15.1	15.1
121	15 20 06.4	+ 6 12 05	7	0.20	100	15.1	15.1
122	15 15 47.4	+ 6 58 06	9	0.11	179	15.1	15.2
123	15 18 30.2	+ 6 19 53	10	0.17	155	15.1	15.5
124	15 17 14.4	+ 7 01 13	12	0.24	99	15.1	15.8
125	15 18 58.1	+ 6 27 05	7	0.34	44	15.1	15.1
126	15 16 51.3	+ 7 06 29	9	0.10	154	15.1	15.3
127	15 17 03.5	+ 6 59 11	9	0.19	152	15.1	15.2
128	15 16 41.5	+ 7 26 32	6	0.10	158	15.1	15.0
129	15 18 29.1	+ 7 32 43	9	0.76	84	15.1	15.5
130	15 15 01.8	+ 7 36 30	5	0.31	91	15.1	14.8
131	15 16 56.7	+ 7 14 17	9	0.18	26	15.1	15.3
132	15 14 30.2	+ 7 35 46	9	0.10	48	15.1	15.3
133	15 19 53.6	+ 7 27 29	10	0.16	107	15.1	15.5
134	15 16 17.3	+ 7 14 53	10	0.10	98	15.1	15.5
135	15 16 54.2	+ 7 09 31	7	0.10	49	15.2	15.2
136	15 15 24.8	+ 6 26 51	8	0.28	161	15.2	15.3
137	15 13 54.6	+ 6 20 56	9	0.71	60	15.2	15.4
138	15 16 20.0	+ 6 25 44	6	0.44	176	15.2	15.1
139	15 18 22.5	+ 6 19 40	10	0.10	165	15.2	15.5
140	15 18 31.8	+ 6 23 53	11	0.22	169	15.2	15.7
141	15 16 42.9	+ 6 47 58	9	0.16	144	15.2	15.4
142	15 18 08.8	+ 7 43 43	7	0.11	179	15.2	15.2
143	15 16 18.3	+ 6 48 10	10	0.22	177	15.2	15.5
144	15 18 02.1	+ 6 14 24	9	0.15	6	15.2	15.4
145	15 19 24.8	+ 6 47 41	10	0.12	159	15.2	15.5
146	15 17 51.1	+ 7 09 29	8	0.10	161	15.2	15.3
147	15 18 02.0	+ 6 49 16	9	0.10	126	15.2	15.4
148	15 17 09.9	+ 7 12 21					
149	15 18 53.1	+ 7 28 17	9	0.16	63	15.2	15.4
150	15 18 40.2	+ 6 14 12	10	0.10	102	15.2	15.6

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N	α	δ	R_1	ϵ	θ	m_T	m_a
151	15 13 23.3	+ 7 18 16	10	0.74	67	15.2	15.7
152	15 15 45.4	+ 7 00 41	7	0.25	99	15.2	15.2
153	15 13 54.9	+ 6 15 35	8	0.16	141	15.3	15.4
154	15 16 45.4	+ 6 16 02	7	0.19	26	15.3	15.3
155	15 18 13.4	+ 6 37 58	6	0.13	166	15.3	15.3
156	15 18 08.7	+ 7 33 44	6	0.14	162	15.3	15.3
157	15 16 03.5	+ 6 38 30	9	0.34	160	15.3	15.5
158	15 16 14.6	+ 7 28 25	7	0.20	105	15.3	15.3
159	15 13 29.4	+ 7 20 19	9	0.13	128	15.3	15.5
160	15 18 49.3	+ 6 26 17	9	0.31	133	15.3	15.6
161	15 19 00.7	+ 7 08 27	6	0.10	147	15.3	15.2
162	15 14 29.9	+ 6 32 50	6	0.10	84	15.3	15.3
163	15 14 42.9	+ 6 28 14	10	0.51	157	15.3	15.6
164	15 15 44.8	+ 6 57 29	10	0.47	5	15.3	15.5
165	15 13 42.0	+ 7 21 19	8	0.14	156	15.3	15.4
166	15 19 07.1	+ 6 28 03	7	0.44	171	15.3	15.3
167	15 18 34.0	+ 7 12 12	7	0.26	179	15.3	15.4
168	15 18 01.9	+ 6 54 54	6	0.37	140	15.3	15.2
169	15 14 11.0	+ 7 19 39	6	0.63	143	15.3	15.2
170	15 13 43.1	+ 6 14 41	9	0.18	125	15.3	15.5
171	15 19 39.0	+ 7 40 23	8	0.54	0	15.3	15.4
172	15 16 51.8	+ 7 38 28	7	0.50	34	15.3	15.3
173	15 13 23.6	+ 7 26 18	9	0.10	5	15.3	15.6
174	15 13 21.6	+ 6 35 58	8	0.15	134	15.3	15.4
175	15 13 32.3	+ 7 31 17	9	0.34	115	15.3	15.4
176	15 19 06.9	+ 7 28 13	9	0.20	119	15.4	15.6
177	15 14 55.3	+ 6 25 00	8	0.25	109	15.4	15.4
178	15 18 54.7	+ 6 24 53	10	0.34	132	15.4	15.8
179	15 20 09.0	+ 6 58 37	7	0.21	96	15.4	15.4
180	15 19 07.3	+ 6 23 39	7	0.14	94	15.4	15.4
181	15 13 47.0	+ 6 27 07	7	0.10	62	15.4	15.4
182	15 14 37.5	+ 6 29 33	10	0.24	84	15.4	15.8
183	15 15 59.2	+ 7 08 27	8	0.28	108	15.4	15.5
184	15 13 18.1	+ 7 14 38	6	0.10	52	15.4	15.3
185	15 15 57.8	+ 6 48 15	8	0.74	179	15.4	15.6
186	15 19 09.3	+ 7 15 10	8	0.22	1	15.5	15.6
187	15 13 18.4	+ 7 14 25	7	0.12	72	15.5	15.5
188	15 16 54.0	+ 6 31 43	9	0.40	15	15.5	15.7
189	15 16 29.9	+ 6 14 05	10	0.62	155	15.5	15.9
190	15 19 27.5	+ 6 53 17	6	0.10	162	15.5	15.4
191	15 13 15.0	+ 7 13 17	7	0.17	50	15.5	15.5
192	15 16 52.1	+ 6 32 16	9	0.30	17	15.5	15.7
193	15 14 24.8	+ 7 36 52	9	0.52	169	15.5	15.7
194	15 13 46.4	+ 6 27 04	6	0.24	14	15.5	15.4
195	15 13 34.9	+ 7 06 49	8	0.16	115	15.5	15.6
196	15 15 57.5	+ 7 36 36	9	0.54	144	15.5	15.7
197	15 14 15.1	+ 7 24 42	6	0.10	146	15.5	15.4
198	15 13 38.2	+ 6 59 33	9	0.31	11	15.5	15.7
199	15 16 59.8	+ 7 00 17	6	0.10	26	15.5	15.5
200	15 18 52.9	+ 6 21 29	7	0.26	6	15.5	15.5

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N	α	δ	R_1	ϵ	θ	m_T	m_a
201	15 19 26.4	+ 6 13 42	9	0.18	139	15.5	15.7
202	15 16 28.6	+ 7 42 00	7	0.38	118	15.5	15.5
203	15 17 35.3	+ 7 24 37	6	0.10	157	15.5	15.4
204	15 14 11.5	+ 7 11 51	9	0.36	64	15.5	15.7
205	15 13 14.7	+ 7 26 32	8	0.50	9	15.5	15.6
206	15 13 28.6	+ 7 13 09	6	0.12	22	15.6	15.5
207	15 19 20.5	+ 7 23 34	8	0.20	151	15.6	15.7
208	15 17 10.4	+ 7 25 18	9	0.38	133	15.6	15.8
209	15 13 48.9	+ 7 09 16	11	0.58	140	15.6	16.1
210	15 14 31.6	+ 6 41 23	10	0.23	121	15.6	16.1
211	15 19 42.7	+ 7 14 31	8	0.40	40	15.6	15.7
212	15 13 20.0	+ 6 31 42	6	0.10	81	15.6	15.5
213	15 18 39.9	+ 6 41 56	7	0.28	58	15.6	15.6
214	15 14 09.3	+ 6 48 00	7	0.19	150	15.6	15.6
215	15 16 09.1	+ 6 37 26	7	0.23	133	15.6	15.6
216	15 14 00.5	+ 6 43 14	9	0.17	14	15.6	15.8
217	15 15 45.4	+ 6 40 32	7	0.16	68	15.6	15.5
218	15 16 00.5	+ 6 54 08	8	0.26	173	15.6	15.7
219	15 16 48.5	+ 7 03 17	9	0.23	173	15.6	15.8
220	15 20 03.5	+ 7 28 40	8	0.10	1	15.6	15.7
221	15 17 07.4	+ 7 05 06	9	0.20	176	15.6	15.8
222	15 19 32.1	+ 7 19 46	8	0.10	158	15.6	15.7
223	15 13 28.0	+ 6 34 18	9	0.13	162	15.6	15.8
224	15 17 30.4	+ 7 16 07	7	0.33	87	15.6	15.6
225	15 14 08.0	+ 6 24 24	7	0.16	93	15.6	15.6
226	15 18 31.5	+ 6 24 05	8	0.20	120	15.6	15.7
227	15 19 40.2	+ 7 19 47	8	0.12	164	15.6	15.7
228	15 17 19.2	+ 7 28 24	8	0.47	7	15.7	15.8
229	15 17 40.2	+ 6 38 42	8	0.15	97	15.7	15.9
230	15 16 06.2	+ 7 09 04	7	0.10	119	15.7	15.7
231	15 17 18.7	+ 6 54 50	9	0.50	51	15.7	16.1
232	15 15 11.7	+ 7 25 18	8	0.19	163	15.7	15.8
233	15 19 24.8	+ 7 25 06	7	0.23	148	15.7	15.7
234	15 16 54.8	+ 6 35 03	8	0.16	52	15.7	15.8
235	15 13 42.2	+ 6 27 04	7	0.56	48	15.7	15.8
236	15 18 04.3	+ 7 21 15	8	0.32	67	15.7	15.8
237	15 16 35.8	+ 7 23 36	8	0.19	138	15.7	15.9
238	15 17 04.3	+ 6 58 21	8	0.27	177	15.7	15.8
239	15 17 07.9	+ 7 13 58	8	0.25	174	15.7	15.8
240	15 16 19.3	+ 6 27 18	8	0.26	106	15.7	15.9
241	15 14 52.5	+ 7 28 58	8	0.26	176	15.7	15.8
242	15 17 37.4	+ 6 38 19	8	0.21	68	15.7	15.8
243	15 18 03.5	+ 7 06 43	8	0.20	1	15.7	15.9
244	15 15 45.3	+ 6 47 13	8	0.20	115	15.7	15.9
245	15 19 31.4	+ 6 48 35	9	0.40	179	15.7	15.9
246	15 18 57.2	+ 6 11 46	8	0.33	178	15.7	15.8
247	15 18 20.2	+ 7 20 14	9	0.25	54	15.7	16.0
248	15 19 10.6	+ 7 14 39	8	0.10	174	15.8	15.9
249	15 19 29.4	+ 7 12 55	9	0.55	117	15.8	16.0
250	15 17 34.4	+ 7 02 51	7	0.16	103	15.8	15.8

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N	α	δ	R_1	ϵ	θ	m_T	m_a
251	15 16 23.0	+ 7 13 00	5	0.11	128	15.8	15.3
252	15 19 05.7	+ 7 25 08	8	0.20	74	15.8	15.9
253	15 19 30.3	+ 7 12 07	7	0.12	132	15.8	15.9
254	15 16 46.0	+ 7 10 44	8	0.10	127	15.8	16.0
255	15 19 31.9	+ 7 29 24	8	0.71	173	15.8	15.9
256	15 17 18.6	+ 7 07 02	8	0.53	124	15.8	15.9
257	15 14 29.7	+ 6 42 01	7	0.16	61	15.8	15.8
258	15 16 14.2	+ 7 26 35	9	0.54	58	15.8	15.9
259	15 17 32.0	+ 6 47 43	8	0.20	50	15.8	15.9
260	15 19 30.4	+ 7 09 19	9	0.41	130	15.8	16.0
261	15 19 29.2	+ 7 04 42	8	0.16	1	15.8	15.9
262	15 17 43.3	+ 7 23 45	6	0.20	146	15.8	15.7
263	15 18 27.1	+ 6 23 01	9	0.44	36	15.8	16.0
264	15 15 47.2	+ 6 49 42	8	0.55	1	15.8	16.0
265	15 16 45.3	+ 7 10 30	7	0.20	122	15.8	15.9
266	15 18 41.5	+ 6 15 08	9	0.43	158	15.9	16.2
267	15 16 18.4	+ 6 11 28	9	0.39	43	15.9	16.1
268	15 18 54.8	+ 6 11 39	9	0.11	146	15.9	16.1
269	15 16 01.2	+ 6 26 00	8	0.10	149	15.9	16.0
270	15 14 16.9	+ 7 05 05	6	0.10	172	15.9	15.7
271	15 13 41.5	+ 7 11 52	7	0.27	150	15.9	16.0
272	15 18 34.1	+ 6 17 21	8	0.10	85	15.9	15.9
273	15 19 09.8	+ 6 58 38	7	0.25	9	15.9	16.0
274	15 18 46.7	+ 7 31 28	7	0.24	49	15.9	15.9
275	15 17 20.3	+ 7 09 50	8	0.40	173	15.9	15.9
276	15 17 52.8	+ 6 46 12	8	0.41	172	15.9	16.1
277	15 19 11.4	+ 7 13 46	7	0.22	2	15.9	15.9
278	15 16 32.6	+ 7 03 55	9	0.50	160	15.9	16.2
279	15 16 13.8	+ 6 15 59	8	0.33	141	15.9	16.1
280	15 18 05.0	+ 7 19 43	7	0.17	79	15.9	15.9
281	15 15 24.5	+ 6 36 47	7	0.11	128	15.9	15.9
282	15 18 17.3	+ 6 15 03	8	0.27	19	15.9	16.0
283	15 19 52.8	+ 6 40 34	8	0.51	172	15.9	16.0
284	15 19 33.7	+ 6 22 36	9	0.64	121	15.9	16.1
285	15 16 28.2	+ 7 33 44	8	0.34	127	15.9	16.0
286	15 19 08.8	+ 7 25 20	8	0.32	104	15.9	16.0
287	15 18 55.1	+ 7 26 57	7	0.20	17	15.9	15.9
288	15 19 04.1	+ 6 34 20	7	0.29	171	15.9	15.9
289	15 17 10.3	+ 7 05 33	7	0.20	142	15.9	16.0
290	15 17 32.2	+ 7 28 46	9	0.47	121	15.9	16.1
291	15 20 03.5	+ 7 24 15	7	0.14	144	15.9	15.9
292	15 16 16.1	+ 7 15 48	7	0.12	15	15.9	15.9
293	15 14 19.0	+ 7 05 11	6	0.14	23	15.9	15.8
294	15 17 43.5	+ 7 03 32	9	0.77	81	15.9	16.3
295	15 15 13.3	+ 7 41 07	8	0.68	43	15.9	16.0
296	15 15 21.7	+ 6 42 29	8	0.21	12	16.0	16.0
297	15 19 05.7	+ 6 39 03	9	0.12	75	16.0	16.2
298	15 18 04.8	+ 7 21 26	6	0.30	158	16.0	15.9
299	15 13 20.3	+ 7 26 15	7	0.18	42	16.0	16.1
300	15 19 19.8	+ 7 24 08	8	0.22	137	16.0	16.0

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N	α	δ	R_1	ϵ	θ	m_T	m_a
301	15 15 00.0	+ 6 48 16	8	0.64	72	16.0	16.2
302	15 16 10.7	+ 7 40 41	7	0.12	51	16.0	16.0
303	15 15 08.1	+ 7 06 21	7	0.10	66	16.0	16.0
304	15 17 09.6	+ 7 07 43	8	0.32	148	16.0	16.1
305	15 14 25.7	+ 7 34 39	8	0.10	105	16.0	16.1
306	15 18 22.5	+ 7 02 52	7	0.19	158	16.0	16.0
307	15 14 28.4	+ 6 12 11	9	0.59	36	16.0	16.3
308	15 17 33.1	+ 6 46 53	8	0.51	157	16.0	16.2
309	15 19 19.3	+ 6 18 09	8	0.50	108	16.0	16.1
310	15 13 34.0	+ 6 35 42	8	0.47	58	16.0	16.1
311	15 15 02.9	+ 6 25 42	7	0.19	64	16.0	16.0
312	15 17 49.0	+ 7 24 17	8	0.23	56	16.0	16.1
313	15 15 30.1	+ 6 39 36	7	0.21	18	16.0	16.1
314	15 19 24.2	+ 6 13 41	7	0.19	142	16.0	16.1
315	15 17 14.5	+ 7 20 37	7	0.41	104	16.0	16.0
316	15 17 33.7	+ 7 13 48	7	0.29	122	16.0	16.0
317	15 18 36.9	+ 6 42 58	7	0.51	75	16.0	16.0
318	15 18 58.4	+ 6 24 26	7	0.39	108	16.0	16.0
319	15 14 43.7	+ 6 13 19	9	0.19	105	16.0	16.2
320	15 15 38.5	+ 6 20 21	7	0.47	41	16.1	16.0
321	15 16 11.8	+ 6 23 34	7	0.10	95	16.1	16.1
322	15 19 00.6	+ 6 25 05	7	0.10	45	16.1	16.1
323	15 17 24.3	+ 7 10 05	9	0.30	158	16.1	16.2
324	15 18 45.2	+ 7 33 06	6	0.10	135	16.1	16.0
325	15 17 20.8	+ 7 05 19	8	0.57	13	16.1	16.2
326	15 18 43.3	+ 7 16 09	4	0.26	176	16.1	15.4
327	15 15 20.7	+ 6 49 36	7	0.39	75	16.1	16.1
328	15 18 19.8	+ 7 00 39	8	0.31	2	16.1	16.1
329	15 14 04.6	+ 6 22 55	4	0.31	144	16.1	15.0
330	15 19 10.2	+ 6 51 30	8	0.17	21	16.1	16.3
331	15 18 31.4	+ 6 25 33	7	0.10	97	16.1	16.1
332	15 15 51.2	+ 7 09 24	8	0.21	11	16.1	16.4
333	15 19 28.8	+ 6 37 41	8	0.31	115	16.1	16.2
334	15 19 40.6	+ 6 47 40	7	0.15	116	16.1	16.1
335	15 13 39.2	+ 6 10 33	8	0.19	85	16.1	16.2
336	15 19 14.2	+ 6 15 26	7	0.68	167	16.1	16.2
337	15 18 41.4	+ 6 14 13	8	0.13	58	16.1	16.1
338	15 18 12.2	+ 6 23 22	8	0.28	104	16.1	16.2
339	15 19 44.6	+ 7 30 18	7	0.19	4	16.1	16.1
340	15 15 24.9	+ 6 48 09	7	0.54	127	16.1	16.1
341	15 15 43.8	+ 6 43 25	8	0.29	105	16.1	16.2
342	15 18 49.9	+ 7 24 17	7	0.31	6	16.2	16.2
343	15 19 20.8	+ 6 52 10	8	0.34	146	16.2	16.3
344	15 15 31.7	+ 7 13 48	7	0.34	13	16.2	16.2
345	15 18 48.3	+ 6 43 15	8	0.49	170	16.2	16.2
346	15 16 20.9	+ 6 58 45	7	0.14	5	16.2	16.2
347	15 17 27.9	+ 6 44 11	8	0.36	92	16.2	16.3
348	15 17 48.0	+ 7 23 59	8	0.47	18	16.2	16.3
349	15 15 05.3	+ 7 13 03	7	0.28	102	16.2	16.2
350	15 16 33.2	+ 7 03 55	7	0.28	85	16.2	16.2

Abell 2052

N	α	δ	R_1	ϵ	θ	m_T	m_a
351	15 14 11.9	+ 7 03 41	7	0.35	168	16.2	16.2
352	15 17 23.8	+ 6 32 43	7	0.10	42	16.2	16.2
353	15 18 27.2	+ 6 25 40	8	0.53	52	16.2	16.3
354	15 16 44.3	+ 7 10 16	7	0.31	59	16.2	16.2
355	15 16 06.0	+ 7 01 03	8	0.43	65	16.2	16.3
356	15 16 10.1	+ 6 52 40	7	0.23	149	16.2	16.2
357	15 18 04.7	+ 6 23 58	9	0.70	178	16.2	16.7
358	15 18 39.4	+ 6 49 48	4	0.32	116	16.2	15.2
359	15 14 57.2	+ 7 39 52	7	0.10	15	16.2	16.2
360	15 19 08.1	+ 7 25 49	7	0.13	129	16.2	16.2
361	15 20 00.9	+ 7 06 30	8	0.57	100	16.2	16.4
362	15 18 11.8	+ 7 03 48	6	0.10	28	16.2	16.2
363	15 16 44.7	+ 6 50 17	7	0.23	144	16.2	16.2
364	15 16 53.4	+ 6 46 15	7	0.39	178	16.2	16.2
365	15 16 06.3	+ 6 13 03	6	0.16	4	16.2	16.1
366	15 16 10.3	+ 7 07 08	7	0.17	176	16.2	16.3
367	15 17 52.6	+ 6 46 01	6	0.29	172	16.3	16.1
368	15 18 24.2	+ 6 12 44	7	0.26	138	16.3	16.3
369	15 14 25.1	+ 6 19 01	6	0.13	145	16.3	16.1
370	15 13 38.5	+ 7 19 39	9	0.71	108	16.3	16.6
371	15 17 29.0	+ 7 06 55	7	0.23	90	16.3	16.4
372	15 17 07.2	+ 7 30 42	7	0.56	148	16.3	16.3
373	15 17 45.9	+ 7 09 10	7	0.10	147	16.3	16.3
374	15 16 52.9	+ 6 52 38	7	0.32	109	16.3	16.3
375	15 17 55.8	+ 6 10 43	7	0.46	7	16.3	16.3
376	15 18 59.7	+ 7 08 36	4	0.16	54	16.3	15.4
377	15 14 34.3	+ 6 43 25	7	0.33	75	16.3	16.4
378	15 20 02.4	+ 6 33 03	8	0.54	175	16.3	16.4
379	15 19 28.0	+ 6 24 30	7	0.13	172	16.3	16.3
380	15 19 04.7	+ 7 06 03	7	0.15	30	16.3	16.3
381	15 16 40.6	+ 7 26 27	4	0.10	0	16.3	15.6
382	15 16 51.4	+ 7 02 19	6	0.23	133	16.3	16.2
383	15 17 49.7	+ 7 07 20	4	0.23	21	16.3	15.2
384	15 15 32.2	+ 6 49 19	7	0.49	58	16.3	16.3
385	15 19 05.7	+ 7 28 17	7	0.22	93	16.3	16.3
386	15 15 47.6	+ 6 30 59	6	0.15	45	16.3	16.2

Abell 2063

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	15 23 05.2	+08 36 33	31	0.48	134	12.8	14.6
2	15 22 59.8	+08 45 18	17	0.28	146	14.0	14.8
3	15 23 15.0	+08 34 25	15	0.16	34	14.1	14.8
4	15 22 47.8	+08 43 06	17	0.34	123	14.1	14.8
5	15 23 10.8	+08 38 03	14	0.10	39	14.3	14.9
6	15 23 20.1	+08 37 04	13	0.35	123	14.3	14.9
7	15 23 39.1	+08 45 32	12	0.11	129	14.3	14.7
8	15 23 07.4	+08 31 42	14	0.10	83	14.3	14.9
9	15 22 52.8	+08 44 39	12	0.31	17	14.4	14.9
10	15 23 06.9	+08 40 34	20	0.19	54	14.4	15.1
11	15 23 14.0	+08 38 43	12	0.10	97	14.4	14.9
12	15 23 46.1	+08 29 13	26	0.11	110	14.6	15.3
13	15 23 15.2	+08 39 46	19	0.11	35	14.7	15.4
14	15 23 10.3	+08 30 18	10	0.10	82	14.7	15.0
15	15 23 46.7	+08 35 33	10	0.25	170	14.7	14.9
16	15 23 15.9	+08 44 54	9	0.22	40	14.8	15.0
17	15 22 56.5	+08 38 59	8	0.32	131	14.8	14.9
18	15 23 06.2	+08 40 40					
19	15 22 37.1	+08 28 19	11	0.13	37	14.9	15.2
20	15 23 02.6	+08 36 09	13	0.10	159	14.9	15.3
21	15 22 55.9	+08 31 16	10	0.37	10	15.0	15.4
22	15 23 20.5	+08 43 22	9	0.27	90	15.0	15.2
23	15 23 14.5	+08 36 34	11	0.16	95	15.0	15.6
24	15 22 39.2	+08 46 13	8	0.12	49	15.1	15.1
25	15 23 03.6	+08 45 20	7	0.18	66	15.1	15.1
26	15 23 04.2	+08 45 23	7	0.19	70	15.1	15.1
27	15 22 46.5	+08 37 34	11	0.34	164	15.2	15.6
28	15 23 46.4	+08 38 52	12	0.19	30	15.2	15.6
29	15 22 49.2	+08 33 36	8	0.29	79	15.2	15.3
30	15 22 46.0	+08 40 45	13	0.30	125	15.3	15.7
31	15 22 51.5	+08 32 06	8	0.10	30	15.3	15.4
32	15 22 28.0	+08 35 44	26	0.43	93	15.3	17.1
33	15 23 03.6	+08 38 34	12	0.25	35	15.3	15.6
34	15 23 41.7	+08 33 39	10	0.18	176	15.4	15.6
35	15 22 30.2	+08 40 38	9	0.10	81	15.4	15.5
36	15 22 53.1	+08 40 39	8	0.26	17	15.4	15.5
37	15 23 02.9	+08 27 23	7	0.16	117	15.5	15.5
38	15 22 58.9	+08 32 28	8	0.15	137	15.6	15.7
39	15 23 43.0	+08 27 28	7	0.10	68	15.6	15.6
40	15 23 00.2	+08 27 54	7	0.34	37	15.6	15.6
41	15 22 39.2	+08 32 26	9	0.35	131	15.7	15.8
42	15 22 56.5	+08 35 40	18	0.20	29	15.7	16.7
43	15 22 48.1	+08 31 46	8	0.52	20	15.8	15.9
44	15 22 44.2	+08 30 12	6	0.16	61	15.9	15.9
45	15 23 02.6	+08 33 39	8	0.38	39	15.9	16.0
46	15 23 01.1	+08 39 04	8	0.46	172	15.9	15.9
47	15 23 07.0	+08 38 52	24	0.29	89	15.9	17.0
48	15 22 56.5	+08 35 22	19	0.23	107	15.9	17.3
49	15 22 57.0	+08 34 21	6	0.10	63	16.0	16.0
50	15 22 39.9	+08 36 26	14	0.36	121	16.0	16.3

Abell 2063

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	15 23 30.4	+08 46 05	14	0.10	19	16.1	16.3
52	15 23 05.5	+08 44 17	7	0.12	159	16.1	16.1
53	15 22 39.8	+08 36 13	12	0.35	24	16.1	16.4
54	15 23 36.4	+08 27 34	7	0.25	157	16.1	16.1
55	15 22 45.0	+08 37 22	11	0.39	132	16.1	16.3
56	15 23 21.9	+08 34 47	8	0.11	44	16.3	16.3
57	15 23 12.3	+08 37 21	7	0.16	131	16.3	16.3
58	15 22 59.1	+08 39 51	6	0.10	45	16.3	16.3
59	15 22 50.5	+08 42 43	9	0.40	168	16.3	16.5
60	15 23 29.5	+08 45 29	9	0.42	144	16.3	16.4
61	15 23 11.8	+08 37 32	7	0.42	83	16.3	16.3
62	15 23 16.1	+08 43 26	16	0.23	114	16.4	17.3
63	15 23 07.2	+08 36 51	8	0.10	146	16.4	16.5
64	15 22 43.3	+08 43 16	11	0.61	83	16.4	16.8
65	15 23 30.1	+08 45 34					
66	15 23 23.7	+08 38 33	15	0.53	146	16.4	17.4
67	15 22 49.1	+08 38 45	7	0.23	146	16.4	16.4
68	15 23 03.8	+08 35 13	6	0.60	118	16.5	16.5
69	15 23 08.3	+08 38 21	6	0.34	16	16.6	16.6
70	15 23 39.0	+08 29 23	8	0.12	172	16.7	16.8
71	15 22 31.2	+08 43 06	12	0.10	0	16.7	17.4
72	15 23 26.6	+08 39 29	9	0.30	110	16.7	17.0
73	15 22 57.2	+08 26 32	6	0.10	156	16.7	16.5
74	15 23 45.9	+08 27 40	8	0.38	111	16.8	16.9
75	15 22 30.2	+08 39 01	10	0.56	19	16.8	16.9
76	15 22 45.5	+08 39 36	11	0.10	105	17.0	17.2
77	15 23 27.0	+08 42 50	10	0.29	140	17.0	17.2
78	15 23 27.5	+08 40 44	6	0.21	108	17.1	17.1
79	15 22 48.3	+08 27 01	6	0.36	57	17.1	17.0
80	15 22 51.8	+08 41 44	8	0.35	7	17.1	17.1
81	15 23 19.2	+08 46 15	6	0.17	144	17.2	17.2
82	15 22 33.9	+08 39 01	7	0.65	50	17.2	17.2
83	15 23 04.1	+08 31 43	8	0.10	0	17.2	17.3
84	15 22 50.7	+08 27 18	7	0.41	106	17.2	17.2

Abell 2065

N	α	δ	R_1	ϵ	θ	m_T	m_a
1	15 21 12.2	+27 59 39	11	0.10	101	13.8	14.4
2	15 21 17.7	+27 36 09	11	0.19	49	14.0	14.4
3	15 21 55.7	+27 24 52	16	0.13	42	14.0	14.8
4	15 21 47.3	+27 36 34	10	0.25	142	14.2	14.5
5	15 21 32.0	+27 26 37	10	0.14	34	14.3	14.6
6	15 22 14.1	+27 32 35	11	0.44	67	14.4	14.6
7	15 21 06.5	+28 06 44	15	0.36	52	14.4	15.0
8	15 21 51.2	+27 28 44	15	0.35	66	14.5	15.5
9	15 21 44.6	+28 06 20	7	0.41	102	14.5	14.6
10	15 23 00.8	+27 52 12	9	0.10	132	14.5	14.6
11	15 21 45.0	+28 06 32	9	0.10	110	14.5	14.6
12	15 21 18.4	+28 06 36	13	0.46	116	14.5	15.1
13	15 22 04.0	+27 37 38	8	0.10	122	14.6	14.7
14	15 20 54.2	+27 42 48	8	0.10	149	14.6	14.7
15	15 21 09.0	+27 55 22	13	0.27	119	14.6	15.3
16	15 24 07.4	+27 34 03	8	0.10	144	14.6	14.7
17	15 22 28.5	+27 41 10	14	0.46	132	14.6	15.2
18	15 22 24.0	+27 42 50	19	0.10	40	14.6	15.2
19	15 21 58.6	+27 37 59	8	0.10	123	14.6	14.7
20	15 22 53.0	+27 30 43	11	0.60	146	14.6	14.9
21	15 21 43.9	+27 37 53	8	0.10	108	14.7	14.7
22	15 22 06.8	+27 26 13	8	0.10	119	14.7	14.8
23	15 20 57.1	+27 36 13	7	0.10	138	14.7	14.7
24	15 22 39.1	+27 40 36	13	0.21	106	14.7	15.2
25	15 23 34.0	+27 45 07	11	0.10	115	14.7	15.1
26	15 22 15.9	+27 27 23	13	0.36	7	14.7	15.4
27	15 21 40.7	+28 06 08	9	0.23	177	14.8	15.1
28	15 20 50.4	+28 08 40	7	0.36	44	14.8	14.8
29	15 24 15.3	+27 44 55	10	0.34	7	14.8	15.1
30	15 22 12.0	+28 02 53	13	0.62	96	14.8	15.4
31	15 22 16.5	+27 48 24	12	0.24	162	14.8	15.3
32	15 22 15.6	+27 41 56	12	0.52	161	14.9	15.3
33	15 22 51.2	+27 35 07	10	0.31	110	14.9	15.3
34	15 21 14.3	+27 58 41	8	0.48	139	14.9	15.0
35	15 22 26.6	+28 03 20	12	0.16	92	14.9	15.5
36	15 22 55.5	+27 30 46	7	0.10	156	14.9	14.9
37	15 22 33.0	+27 46 20	12	0.35	81	14.9	15.3
38	15 22 22.8	+27 44 17	10	0.10	42	14.9	15.2
39	15 23 30.5	+27 31 43	11	0.25	173	14.9	15.4
40	15 22 36.9	+27 48 05	10	0.14	168	15.0	15.2
41	15 22 37.6	+27 56 10	10	0.34	98	15.0	15.4
42	15 23 45.0	+27 31 29	8	0.28	29	15.1	15.1
43	15 23 38.7	+27 58 37	11	0.10	149	15.1	15.4
44	15 22 25.9	+27 49 34	9	0.23	174	15.1	15.4
45	15 21 05.9	+27 43 51	11	0.57	65	15.1	15.5
46	15 20 46.7	+27 31 44	11	0.39	68	15.1	15.6
47	15 22 33.9	+27 41 47	8	0.45	120	15.1	15.2
48	15 22 28.9	+27 44 21	8	0.42	27	15.2	15.4
49	15 23 22.0	+27 50 13	8	0.40	112	15.2	15.3
50	15 21 20.2	+27 35 18	12	0.59	66	15.2	15.8

Abell 2065

N	α	δ	R_1	ϵ	θ	m_T	m_a
51	15 22 27.4	+27 30 55	10	0.16	111	15.2	15.4
52	15 22 28.3	+27 46 50	10	0.60	56	15.2	15.5
53	15 22 36.2	+27 37 19	7	0.48	67	15.2	15.2
54	15 22 44.0	+27 39 58	9	0.11	159	15.2	15.4
55	15 21 21.1	+27 52 19	9	0.46	178	15.2	15.5
56	15 21 09.3	+27 57 34	11	0.47	120	15.2	15.6
57	15 21 59.6	+27 40 37	10	0.10	69	15.2	15.5
58	15 22 00.1	+27 34 44	9	0.15	35	15.3	15.5
59	15 22 30.1	+27 45 16	10	0.10	37	15.3	15.6
60	15 22 27.9	+27 35 06	9	0.10	1	15.3	15.5
61	15 22 11.5	+27 37 56	9	0.13	92	15.3	15.4
62	15 21 29.7	+28 05 55	9	0.12	74	15.3	15.4
63	15 21 13.0	+27 35 27	10	0.47	84	15.3	15.5
64	15 22 28.5	+27 34 22	9	0.28	110	15.3	15.5
65	15 22 51.4	+27 55 09	8	0.45	172	15.3	15.5
66	15 23 20.4	+27 32 20	9	0.14	118	15.3	15.5
67	15 22 56.3	+27 19 28	7	0.22	132	15.3	15.4
68	15 20 55.6	+28 04 48	9	0.10	111	15.4	15.6
69	15 21 06.8	+27 23 06	10	0.45	162	15.4	15.7
70	15 23 23.9	+27 41 44	11	0.58	162	15.4	15.7
71	15 22 13.4	+27 38 05	8	0.47	172	15.4	15.6
72	15 22 03.4	+27 42 08	9	0.19	170	15.4	15.6
73	15 22 06.7	+27 57 19	8	0.31	120	15.4	15.5
74	15 22 03.5	+27 23 04	9	0.27	42	15.4	15.6
75	15 22 36.7	+27 24 58	10	0.10	108	15.4	15.8
76	15 22 02.7	+27 48 26	9	0.10	107	15.4	15.6
77	15 22 49.0	+27 46 04	9	0.10	3	15.4	15.6
78	15 23 04.0	+27 50 25	9	0.20	100	15.4	15.6
79	15 23 12.5	+27 54 15	12	0.72	36	15.4	16.0
80	15 22 33.1	+27 39 55	10	0.22	35	15.4	15.7
81	15 21 59.0	+27 24 41	9	0.13	112	15.4	15.6
82	15 22 27.5	+27 37 24	8	0.26	123	15.4	15.5
83	15 23 04.8	+27 48 48	10	0.36	4	15.5	15.7
84	15 22 15.3	+27 36 15	9	0.20	61	15.5	15.7
85	15 22 09.2	+27 47 46	8	0.32	65	15.5	15.6
86	15 20 53.5	+27 48 55	6	0.12	69	15.5	15.5
87	15 22 03.3	+27 51 00	10	0.18	165	15.5	15.8
88	15 22 22.4	+27 38 01	9	0.17	134	15.5	15.7
89	15 20 47.2	+27 34 25	10	0.35	166	15.5	15.8
90	15 22 09.1	+27 43 50	8	0.33	22	15.5	15.6
91	15 22 36.2	+27 23 45	10	0.51	117	15.5	15.8
92	15 21 14.5	+27 22 57	6	0.10	26	15.6	15.6
93	15 22 39.0	+27 38 04	8	0.18	152	15.6	15.7
94	15 22 28.3	+27 56 58	8	0.18	70	15.6	15.7
95	15 21 05.5	+27 44 01	7	0.16	10	15.6	15.6
96	15 22 36.7	+28 03 27	11	0.58	123	15.6	15.9
97	15 21 09.2	+28 00 53	8	0.25	115	15.6	15.8
98	15 21 56.9	+27 33 53	6	0.10	142	15.6	15.6
99	15 22 00.4	+27 39 23	9	0.36	67	15.6	15.8
100	15 22 33.8	+27 38 41	9	0.14	128	15.6	15.8

Abell 2065

N	α	δ	R_1	ϵ	θ	m_T	m_a
101	15 22 38.0	+27 43 23	7	0.52	163	15.6	15.6
102	15 20 48.3	+27 51 55	9	0.39	42	15.6	15.8
103	15 20 58.3	+27 42 03	6	0.11	160	15.6	15.6
104	15 23 21.3	+27 38 29	11	0.64	39	15.6	16.0
105	15 21 05.8	+27 44 42	9	0.20	30	15.7	15.8
106	15 22 47.6	+27 34 10	6	0.10	102	15.7	15.7
107	15 21 58.6	+27 37 33	6	0.10	124	15.7	15.7
108	15 21 07.3	+28 05 07	7	0.56	89	15.7	15.8
109	15 22 15.6	+27 49 15	9	0.24	9	15.7	15.8
110	15 22 28.9	+27 50 05	8	0.30	113	15.7	15.7
111	15 23 15.5	+28 08 01	7	0.10	124	15.7	15.7
112	15 22 39.3	+27 40 17	9	0.36	24	15.7	15.7
113	15 22 20.4	+27 48 53	8	0.31	111	15.7	15.7
114	15 23 48.2	+28 07 31	7	0.15	159	15.7	15.7
115	15 23 06.1	+27 53 07	8	0.23	85	15.7	15.8
116	15 23 12.9	+27 45 48	7	0.14	10	15.7	15.7
117	15 22 26.7	+27 36 29	7	0.26	146	15.7	15.8
118	15 22 22.4	+27 33 23	9	0.52	37	15.7	15.9
119	15 22 27.4	+27 25 57	9	0.10	61	15.7	15.9
120	15 22 04.0	+27 25 13	9	0.15	63	15.7	15.9
121	15 21 01.3	+27 30 08	6	0.10	129	15.7	15.7
122	15 22 37.8	+27 42 01	9	0.10	137	15.7	15.8
123	15 23 59.8	+27 29 13	8	0.42	112	15.8	15.8
124	15 24 05.7	+28 04 59	7	0.10	134	15.8	15.8
125	15 23 57.0	+27 41 12	5	0.10	85	15.8	15.7
126	15 22 09.0	+28 05 31	8	0.13	109	15.8	15.8
127	15 21 17.9	+27 44 09	6	0.16	89	15.8	15.7
128	15 22 09.0	+27 44 46	8	0.18	86	15.8	15.9
129	15 21 08.2	+28 00 49	9	0.26	157	15.8	15.9
130	15 22 50.2	+27 46 56	8	0.31	81	15.8	15.8
131	15 23 18.2	+27 34 25	7	0.20	75	15.8	15.8
132	15 20 46.8	+27 57 31	8	0.13	145	15.8	15.9
133	15 21 46.4	+27 33 26	8	0.10	61	15.8	15.8
134	15 22 42.2	+27 54 29	8	0.24	47	15.8	15.9
135	15 20 57.5	+28 07 31	6	0.10	119	15.8	15.7
136	15 21 18.8	+27 36 59	10	0.11	122	15.8	16.3
137	15 21 01.5	+28 05 04	7	0.10	29	15.8	15.9
138	15 22 24.2	+27 35 35	8	0.33	99	15.8	15.8
139	15 22 07.8	+27 37 57	8	0.14	176	15.8	15.9
140	15 22 04.5	+27 24 58	8	0.23	109	15.8	15.8
141	15 23 55.1	+27 40 37	7	0.13	7	15.9	15.9
142	15 22 57.7	+28 06 37	7	0.13	83	15.9	15.9
143	15 22 13.2	+27 41 39	8	0.42	112	15.9	15.9
144	15 21 26.8	+28 01 48	8	0.24	3	15.9	16.0
145	15 22 37.9	+27 39 45	8	0.10	106	15.9	16.0
146	15 23 10.4	+27 54 56	6	0.10	113	15.9	15.9
147	15 22 19.0	+27 54 12	7	0.15	153	15.9	15.9
148	15 22 38.1	+27 40 59	8	0.10	51	15.9	16.0
149	15 23 57.9	+27 31 21	7	0.40	99	15.9	15.9
150	15 22 22.7	+27 29 46	6	0.10	39	15.9	15.8

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N	α	δ	R_1	ϵ	θ	m_T	m_a
151	15 21 15.1	+27 32 27	10	0.67	173	15.9	16.2
152	15 21 48.2	+27 56 50	7	0.34	115	15.9	15.9
153	15 20 47.6	+27 51 00	9	0.10	11	15.9	16.0
154	15 24 18.8	+28 01 34	6	0.10	66	15.9	15.8
155	15 21 58.4	+27 41 42	7	0.17	4	15.9	15.9
156	15 22 43.0	+27 34 42	6	0.36	112	15.9	15.8
157	15 22 43.6	+27 34 26	8	0.16	11	15.9	16.0
158	15 24 01.1	+27 45 30	8	0.62	22	15.9	16.1
159	15 22 51.5	+28 01 16	7	0.14	91	15.9	15.9
160	15 22 54.4	+27 39 42	7	0.24	106	15.9	15.9
161	15 23 14.5	+27 41 37	8	0.11	52	15.9	15.9
162	15 22 17.2	+27 58 58	5	0.38	8	16.0	15.8
163	15 22 01.6	+27 27 53	7	0.14	0	16.0	16.0
164	15 21 50.6	+28 06 27	5	0.50	43	16.0	15.8
165	15 22 43.5	+27 42 03	8	0.10	161	16.0	16.1
166	15 24 15.0	+28 00 07	8	0.44	79	16.0	16.1
167	15 22 33.1	+27 45 26	6	0.10	163	16.0	15.9
168	15 24 21.2	+27 56 31	8	0.23	27	16.0	16.1
169	15 21 14.0	+27 38 00	9	0.61	64	16.0	16.2
170	15 22 19.2	+27 50 37	7	0.11	9	16.0	16.0
171	15 21 08.3	+27 54 20	9	0.11	85	16.0	16.1
172	15 21 04.8	+27 32 32	9	0.12	142	16.0	16.1
173	15 22 58.7	+27 24 33	8	0.15	52	16.0	16.0
174	15 24 08.9	+27 55 03	8	0.40	49	16.0	16.1
175	15 23 00.8	+27 53 34	7	0.11	173	16.0	16.0
176	15 22 26.9	+27 51 13	7	0.10	156	16.0	16.0
177	15 21 04.4	+27 30 00	8	0.15	30	16.0	16.1
178	15 23 39.8	+27 34 14	7	0.10	29	16.0	16.0
179	15 21 13.7	+27 45 54	7	0.18	131	16.0	16.1
180	15 22 51.6	+27 43 57	8	0.17	115	16.0	16.0
181	15 21 31.1	+28 01 25	6	0.10	90	16.0	16.0
182	15 24 14.8	+28 03 45	8	0.65	12	16.1	16.2
183	15 20 44.0	+27 36 42	6	0.10	7	16.1	16.0
184	15 22 02.5	+28 05 22	7	0.21	164	16.1	16.1
185	15 22 26.0	+27 41 37	6	0.28	79	16.1	16.1
186	15 22 12.7	+27 35 20	8	0.19	133	16.1	16.2
187	15 22 43.1	+27 28 48	8	0.32	20	16.1	16.2
188	15 23 55.3	+27 34 23	7	0.22	46	16.1	16.1
189	15 22 40.9	+27 33 58	7	0.22	19	16.1	16.2
190	15 22 24.9	+27 55 02	8	0.10	172	16.1	16.2
191	15 22 16.6	+27 38 33	7	0.11	60	16.1	16.1
192	15 21 12.5	+27 52 06	8	0.43	151	16.1	16.2
193	15 22 18.5	+27 47 19	6	0.31	85	16.1	16.1
194	15 20 48.2	+27 40 57	8	0.14	135	16.1	16.2
195	15 24 11.4	+27 47 48	6	0.10	129	16.1	16.1
196	15 20 42.9	+27 48 50	7	0.14	80	16.1	16.1
197	15 20 46.3	+27 41 15	8	0.50	93	16.1	16.3
198	15 22 09.7	+27 39 54	7	0.26	1	16.1	16.1
199	15 22 17.2	+27 53 46	7	0.34	134	16.1	16.1
200	15 22 36.9	+27 41 56	5	0.27	117	16.1	15.7

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N	α	δ	R_1	ϵ	θ	m_T	m_a
201	15 23 45.2	+27 36 59	8	0.25	26	16.1	16.2
202	15 23 02.0	+27 41 25	6	0.14	13	16.1	16.1
203	15 22 53.4	+27 40 41	8	0.11	178	16.1	16.1
204	15 22 13.5	+27 29 39	9	0.49	4	16.2	16.4
205	15 22 24.9	+27 43 53	8	0.14	79	16.2	16.4
206	15 21 46.3	+27 21 34	8	0.37	159	16.2	16.3
207	15 23 56.7	+27 25 13	7	0.11	162	16.2	16.2
208	15 23 15.6	+27 52 08	6	0.17	56	16.2	16.1
209	15 22 20.3	+28 02 58	8	0.15	179	16.2	16.2
210	15 21 07.3	+27 23 25	9	0.29	172	16.2	16.3
211	15 22 04.8	+27 45 09	7	0.24	122	16.2	16.3
212	15 21 13.8	+28 06 50	8	0.41	89	16.2	16.2
213	15 21 26.5	+27 51 45	7	0.24	6	16.2	16.2
214	15 22 39.3	+27 39 10	7	0.10	127	16.2	16.2
215	15 22 13.5	+27 30 36	9	0.21	107	16.2	16.3
216	15 22 32.6	+28 04 01	9	0.33	54	16.2	16.4
217	15 20 55.2	+27 36 40	8	0.12	23	16.2	16.2
218	15 21 50.1	+27 39 04	9	0.60	103	16.2	16.4
219	15 22 16.2	+28 07 03	7	0.27	2	16.2	16.2
220	15 22 09.9	+28 03 59	7	0.10	151	16.2	16.2
221	15 22 22.1	+27 42 11	7	0.10	93	16.2	16.2
222	15 22 23.7	+27 40 50	6	0.12	178	16.2	16.1
223	15 22 27.9	+27 52 57	8	0.24	75	16.2	16.3
224	15 23 15.2	+27 47 53	7	0.30	146	16.2	16.2
225	15 21 44.5	+28 06 51	7	0.25	107	16.2	16.2
226	15 21 08.2	+27 57 05	7	0.37	143	16.2	16.3
227	15 22 35.9	+27 59 19	7	0.17	80	16.2	16.2
228	15 22 27.0	+27 44 20	7	0.32	18	16.2	16.2
229	15 22 10.7	+27 24 41	7	0.10	151	16.3	16.3
230	15 22 04.0	+27 49 25	8	0.28	173	16.3	16.4
231	15 21 47.5	+28 06 06	6	0.15	79	16.3	16.1
232	15 22 09.4	+27 47 22	7	0.24	11	16.3	16.3
233	15 22 09.8	+27 38 28	7	0.30	82	16.3	16.3
234	15 23 47.2	+27 48 28	7	0.36	35	16.3	16.3
235	15 23 41.2	+28 04 04	8	0.42	133	16.3	16.4
236	15 23 22.8	+27 59 45	7	0.16	130	16.3	16.3
237	15 22 25.6	+27 31 00	6	0.26	158	16.3	16.3
238	15 20 42.6	+27 23 38	7	0.10	128	16.3	16.4
239	15 22 16.2	+27 57 34	7	0.34	13	16.3	16.4
240	15 22 56.4	+27 41 29	6	0.20	45	16.3	16.2
241	15 23 19.6	+27 59 26	7	0.38	12	16.3	16.3
242	15 22 44.1	+27 52 32	7	0.17	7	16.3	16.3
243	15 22 18.5	+27 59 32	7	0.18	159	16.3	16.4
244	15 22 30.6	+27 47 46	8	0.16	134	16.3	16.3
245	15 21 08.4	+27 36 52	6	0.21	132	16.3	16.3
246	15 22 57.1	+27 20 50	7	0.11	17	16.3	16.3
247	15 22 17.6	+27 59 38	9	0.66	161	16.3	16.7
248	15 22 39.0	+27 41 41	7	0.23	121	16.3	16.3
249	15 22 47.7	+27 57 36	7	0.15	8	16.3	16.3
250	15 20 42.3	+28 01 48	5	0.14	142	16.4	16.2

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N	α	δ	R_1	ϵ	θ	m_T	m_a
251	15 22 40.2	+27 42 14	7	0.23	127	16.4	16.4
252	15 21 25.2	+27 37 21	7	0.20	5	16.4	16.4
253	15 21 24.9	+27 24 50	7	0.16	109	16.4	16.4
254	15 24 19.3	+27 57 16	7	0.10	22	16.4	16.5
255	15 24 20.0	+27 25 02	4	0.49	134	16.4	15.8
256	15 23 43.7	+27 44 24	7	0.33	94	16.4	16.4
257	15 22 27.9	+27 53 05	5	0.59	44	16.4	16.1
258	15 22 16.2	+27 28 51	7	0.16	25	16.4	16.4
259	15 23 00.5	+27 40 28	7	0.23	25	16.4	16.4
260	15 22 50.8	+27 53 27	7	0.41	74	16.4	16.4
261	15 22 30.1	+27 49 21	7	0.10	167	16.4	16.4
262	15 23 08.1	+27 27 06	5	0.32	160	16.4	16.3
263	15 21 59.6	+28 00 55	7	0.33	71	16.4	16.4
264	15 22 38.5	+27 36 10	8	0.21	57	16.4	16.4
265	15 22 34.9	+27 49 40	8	0.18	87	16.4	16.4
266	15 22 13.7	+27 39 03	7	0.13	0	16.4	16.4
267	15 22 09.2	+27 46 12	6	0.30	103	16.4	16.3
268	15 23 01.3	+27 57 41	6	0.10	135	16.4	16.3
269	15 22 22.7	+27 40 37	7	0.22	168	16.4	16.4
270	15 22 21.0	+27 41 19	7	0.40	174	16.4	16.5
271	15 22 59.4	+28 00 28	6	0.10	139	16.4	16.3
272	15 21 25.0	+28 06 25	6	0.13	64	16.5	16.5
273	15 22 23.6	+27 40 21	7	0.10	63	16.5	16.5
274	15 21 36.9	+27 30 45	6	0.10	164	16.5	16.4
275	15 21 56.5	+27 50 34	7	0.25	163	16.5	16.5
276	15 22 45.3	+27 41 32	6	0.16	61	16.5	16.5
277	15 21 41.8	+27 24 38	7	0.38	116	16.5	16.5
278	15 23 13.7	+28 06 13	8	0.23	166	16.5	16.6
279	15 23 04.4	+27 57 43	7	0.10	67	16.5	16.5
280	15 20 51.8	+28 05 32	9	0.70	169	16.5	16.7
281	15 21 14.7	+28 00 10	7	0.10	132	16.5	16.6
282	15 21 37.0	+27 40 16	7	0.10	48	16.5	16.5
283	15 21 05.9	+28 06 23	7	0.27	3	16.5	16.5
284	15 22 15.3	+27 44 48	9	0.58	54	16.5	16.8
285	15 22 01.7	+27 33 12	7	0.24	77	16.5	16.5
286	15 23 54.7	+27 50 10	7	0.13	161	16.5	16.5
287	15 22 13.0	+27 45 31	7	0.36	3	16.5	16.5
288	15 20 48.6	+27 31 21	7	0.13	103	16.5	16.5
289	15 21 27.0	+27 21 07	5	0.36	88	16.5	16.2
290	15 22 18.0	+27 41 33	7	0.31	145	16.5	16.5
291	15 21 55.5	+27 26 38	7	0.14	24	16.5	16.6
292	15 21 27.6	+27 19 50	7	0.10	147	16.5	16.5
293	15 23 16.6	+27 25 19	6	0.13	137	16.6	16.6
294	15 24 16.7	+27 46 38	7	0.30	97	16.6	16.6
295	15 21 43.2	+27 29 24	7	0.27	5	16.6	16.6
296	15 22 09.9	+27 43 28	6	0.22	118	16.6	16.6
297	15 21 22.2	+27 39 21	4	0.53	104	16.6	16.0
298	15 21 30.5	+27 27 46	6	0.16	19	16.6	16.5
299	15 24 02.7	+27 33 00	6	0.10	61	16.6	16.6
300	15 21 39.4	+27 43 26	6	0.18	97	16.6	16.5

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N	α	δ	R_1	ϵ	θ	m_T	m_a
301	15 22 27.0	+28 04 57	7	0.56	113	16.6	16.6
302	15 22 29.6	+27 44 02	6	0.13	56	16.6	16.5
303	15 23 27.8	+27 33 39	7	0.12	48	16.6	16.6
304	15 22 51.7	+27 45 14	7	0.28	92	16.6	16.6
305	15 23 17.4	+27 48 09	6	0.13	115	16.6	16.5
306	15 22 51.8	+27 38 01	7	0.10	90	16.6	16.6
307	15 22 38.4	+27 42 39	8	0.10	122	16.6	16.7
308	15 23 33.4	+27 58 12	8	0.69	136	16.6	16.6
309	15 22 00.2	+27 54 58	7	0.18	73	16.7	16.7
310	15 23 56.1	+27 46 23	7	0.39	22	16.7	16.7
311	15 22 26.8	+27 29 53	7	0.10	153	16.7	16.7
312	15 22 46.1	+28 06 12	7	0.16	122	16.7	16.7
313	15 23 15.5	+27 32 19	6	0.13	21	16.7	16.7
314	15 22 05.7	+27 27 36	7	0.47	9	16.7	16.8
315	15 24 10.3	+28 02 16	8	0.49	61	16.7	16.8
316	15 22 10.6	+28 08 22	7	0.18	130	16.7	16.7
317	15 22 10.6	+28 08 22	7	0.18	130	16.7	16.7
318	15 22 39.0	+27 44 39	7	0.26	158	16.7	16.7
319	15 22 19.5	+27 33 44	7	0.10	7	16.7	16.7
320	15 23 26.7	+27 25 08	6	0.27	46	16.7	16.7
321	15 21 21.0	+28 01 04	6	0.32	162	16.7	16.7
322	15 22 40.6	+27 45 28	5	0.39	153	16.7	16.5
323	15 21 35.6	+27 46 33	8	0.30	175	16.7	16.9
324	15 22 34.0	+27 37 54	6	0.21	114	16.7	16.6
325	15 23 19.4	+27 50 15	8	0.43	1	16.7	16.7
326	15 22 12.8	+27 45 58	6	0.32	167	16.7	16.6
327	15 21 07.5	+28 02 42	8	0.52	37	16.7	16.7
328	15 21 28.0	+28 03 18	7	0.42	124	16.7	16.7
329	15 23 05.3	+27 57 34	5	0.11	53	16.7	16.5
330	15 22 46.7	+27 38 29	6	0.22	41	16.7	16.7
331	15 22 39.2	+27 19 36	7	0.25	3	16.7	16.7
332	15 21 27.8	+28 03 30	6	0.39	132	16.7	16.4
333	15 22 04.2	+27 41 37	7	0.22	7	16.7	16.7
334	15 23 58.6	+27 29 55	7	0.51	144	16.8	16.8
335	15 23 15.5	+27 26 39	7	0.12	107	16.8	16.8
336	15 21 09.4	+27 25 24	7	0.15	62	16.8	16.8
337	15 24 13.7	+27 43 52	6	0.37	86	16.8	16.7
338	15 21 09.3	+27 59 18	6	0.27	77	16.8	16.7
339	15 20 43.0	+28 02 46	7	0.55	12	16.8	16.8
340	15 21 38.0	+28 07 19	7	0.29	72	16.8	16.8
341	15 21 48.8	+27 59 34	7	0.54	13	16.8	16.8
342	15 21 05.9	+27 42 50	6	0.33	179	16.8	16.7
343	15 22 23.0	+27 36 16	7	0.13	16	16.8	16.8
344	15 22 28.5	+27 48 10	7	0.18	139	16.8	16.8
345	15 20 47.6	+27 50 05	6	0.15	21	16.8	16.8
346	15 21 59.0	+27 25 12	8	0.60	110	16.8	16.9
347	15 22 19.5	+27 47 19	7	0.55	138	16.8	16.8
348	15 22 20.0	+27 41 53	7	0.12	7	16.8	16.8
349	15 23 11.7	+27 37 40	7	0.40	41	16.8	16.8
350	15 20 53.1	+27 33 28	6	0.20	135	16.8	16.7

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N	α	δ	R_1	ϵ	θ	m_T	m_a
351	15 23 00.5	+28 02 22	7	0.14	24	16.8	16.8
352	15 24 00.8	+27 59 20	5	0.10	0	16.8	16.7
353	15 22 30.6	+27 42 14	6	0.26	154	16.8	16.7
354	15 22 34.2	+28 07 51	7	0.37	43	16.8	16.8
355	15 23 45.2	+28 07 12	7	0.33	125	16.8	16.8
356	15 20 47.3	+27 31 14	6	0.35	124	16.8	16.8
357	15 23 34.3	+28 00 42	6	0.22	93	16.8	16.8
358	15 24 20.6	+27 20 07	7	0.61	98	16.9	16.9
359	15 21 25.1	+27 58 08	7	0.32	16	16.9	16.9
360	15 21 49.3	+27 50 55	6	0.28	130	16.9	16.9
361	15 21 14.8	+28 05 32	6	0.20	170	16.9	16.9
362	15 21 21.0	+27 20 60	7	0.20	179	16.9	16.9
363	15 20 43.1	+28 02 58	7	0.31	161	16.9	16.9
364	15 21 31.5	+27 53 09	7	0.51	96	16.9	16.9
365	15 23 09.2	+27 38 09	6	0.43	169	16.9	16.9
366	15 22 33.6	+27 43 42	7	0.29	10	16.9	16.9
367	15 21 16.1	+27 35 33	8	0.67	15	16.9	17.0
368	15 23 29.8	+27 35 01	6	0.25	173	16.9	16.7
369	15 20 40.6	+27 59 39	7	0.17	49	16.9	16.9
370	15 21 45.3	+28 07 50	7	0.28	88	16.9	16.9
371	15 20 51.4	+28 04 06	7	0.24	146	16.9	16.9
372	15 23 50.2	+28 04 39	5	0.59	72	16.9	16.7
373	15 22 50.1	+27 43 41	5	0.19	43	16.9	16.6
374	15 21 08.6	+28 00 10	6	0.34	101	16.9	16.9
375	15 22 52.6	+27 38 25	6	0.46	154	16.9	16.9
376	15 22 48.1	+27 19 20	7	0.48	1	16.9	16.8
377	15 23 31.5	+27 59 33	7	0.26	27	16.9	16.9
378	15 24 05.0	+27 20 00	7	0.28	165	17.0	16.9
379	15 22 34.0	+27 35 40	6	0.41	17	17.0	17.0
380	15 23 07.0	+27 29 03	7	0.55	46	17.0	17.0
381	15 22 51.8	+27 43 28	6	0.17	0	17.0	17.0
382	15 21 14.7	+28 02 34	5	0.57	155	17.0	16.8
383	15 21 42.4	+27 40 31	7	0.59	31	17.0	16.9
384	15 23 15.3	+28 08 10	4	0.61	60	17.0	16.6
385	15 23 59.2	+27 53 38	7	0.43	113	17.0	17.1
386	15 21 30.9	+27 48 26	7	0.30	114	17.0	17.0
387	15 21 38.0	+27 53 23	6	0.36	126	17.0	16.8
388	15 22 15.4	+27 25 37	7	0.19	56	17.0	17.0
389	15 22 54.8	+28 05 16	5	0.50	15	17.0	16.8
390	15 21 40.7	+27 55 42	7	0.25	99	17.0	17.1
391	15 22 10.0	+27 51 37	6	0.29	103	17.0	16.9
392	15 21 45.7	+27 25 16	7	0.30	100	17.0	17.0
393	15 23 33.5	+27 59 50	6	0.34	179	17.0	16.9
394	15 21 43.1	+27 27 28	6	0.43	95	17.0	17.0
395	15 21 27.1	+27 38 12	6	0.20	108	17.0	16.9
396	15 20 50.4	+27 57 47	6	0.31	91	17.0	16.9

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N	α	δ	R_1	ϵ	θ	m_T	m_a
1	23 24 20.1	+14 38 44	21	0.29	70	13.4	14.5
2	23 24 40.9	+14 37 51	18	0.44	20	13.7	14.6
3	23 23 27.0	+14 19 29	17	0.06	134	13.9	14.6
4	23 25 11.3	+15 11 51	16	0.72	155	14.0	14.6
5	23 24 48.3	+14 59 53	17	0.42	101	14.0	14.7
6	23 23 01.2	+14 21 04	11	0.33	110	14.2	15.0
7	23 23 44.7	+14 57 48	18	0.58	156	14.2	14.9
8	23 24 42.6	+14 31 01	16	0.17	119	14.4	15.0
9	23 26 42.4	+14 44 04	10	0.09	86	14.5	14.6
10	23 24 37.2	+14 38 28	16	0.08	119	14.5	14.9
11	23 24 48.9	+13 59 47	16	0.10	91	14.5	15.1
12	23 24 12.6	+14 21 12	15	0.58	61	14.6	15.4
13	23 22 15.3	+14 04 49	13	0.59	96	14.6	15.1
14	23 25 16.7	+14 21 33	13	0.24	119	14.6	14.9
15	23 23 26.6	+14 07 52	13	0.27	154	14.6	15.0
16	23 25 53.9	+14 12 25	10	0.33	87	14.7	15.2
17	23 24 18.6	+15 07 28	9	0.05	90	14.7	14.7
18	23 25 37.5	+14 34 22	13	0.16	139	14.7	15.0
19	23 25 13.1	+14 36 56	9	0.28	100	14.7	14.8
20	23 24 49.1	+13 58 15	14	0.30	14	14.7	15.3
21	23 24 32.0	+14 38 17	12	0.12	78	14.8	15.1
22	23 24 12.1	+14 37 03	12	0.19	64	14.8	15.1
23	23 26 21.8	+14 12 27	11	0.10	15	14.8	15.1
24	23 24 32.5	+13 58 55	14	0.65	115	14.8	15.4
25	23 25 30.3	+14 23 18	8	0.40	91	14.8	14.9
26	23 24 31.6	+14 16 17	13	0.33	53	14.8	15.1
27	23 24 23.5	+14 42 21	13	0.11	59	14.8	15.1
28	23 22 19.1	+14 42 26	7	0.30	109	14.8	14.9
29	23 23 57.6	+14 43 45	11	0.31	115	14.8	15.0
30	23 24 22.9	+14 39 25	14	0.09	72	14.8	15.2
31	23 26 48.6	+14 21 42	9	0.31	122	14.9	15.0
32	23 23 25.6	+14 33 23	8	0.24	92	14.9	15.0
33	23 23 28.3	+13 58 38	14	0.23	12	14.9	15.3
34	23 24 16.4	+13 57 58	11	0.34	27	14.9	15.1
35	23 22 57.6	+15 05 44	13	0.14	93	14.9	15.1
36	23 23 11.7	+14 53 59	17	0.05	83	15.0	16.0
37	23 23 21.3	+14 17 01	11	0.49	15	15.0	15.3
38	23 23 04.7	+15 04 32	9	0.19	32	15.0	15.1
39	23 24 11.7	+14 36 54	9	0.46	95	15.0	15.1
40	23 24 40.4	+14 37 33	9	0.20	103	15.0	15.1
41	23 27 10.2	+15 00 56	22	0.50	67	15.0	16.4
42	23 23 55.4	+14 47 36	10	0.14	20	15.0	15.2
43	23 25 25.0	+14 45 06	9	0.20	88	15.0	15.2
44	23 24 35.8	+14 40 53	11	0.28	55	15.1	15.3
45	23 26 24.3	+13 57 42	10	0.43	60	15.1	15.3
46	23 25 20.6	+15 12 38	17	0.25	81	15.1	15.9
47	23 27 21.5	+14 09 07	9	0.27	102	15.2	15.4
48	23 24 37.8	+14 53 04	12	0.22	46	15.2	15.7
49	23 25 19.7	+14 24 15	13	0.45	12	15.2	15.8
50	23 25 14.2	+15 14 33	10	0.28	157	15.2	15.3

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	23 26 29.8	+14 33 03	9	0.11	76	15.2	15.2
52	23 26 29.3	+14 33 11	7	0.38	47	15.2	15.3
53	23 24 36.7	+14 34 57	9	0.26	102	15.3	15.4
54	23 22 22.9	+13 59 37	9	0.14	92	15.3	15.4
55	23 22 47.4	+14 44 13	7	0.06	155	15.3	15.4
56	23 24 03.0	+14 39 49	7	0.12	112	15.3	15.3
57	23 23 32.8	+14 37 11	9	0.31	111	15.3	15.4
58	23 25 00.5	+14 58 43	9	0.55	58	15.4	15.6
59	23 24 06.4	+14 25 01	9	0.18	73	15.4	15.6
60	23 24 07.1	+14 50 01	11	0.39	135	15.4	15.7
61	23 24 21.6	+14 30 23	9	0.52	101	15.4	15.5
62	23 23 26.1	+14 21 16	8	0.35	152	15.4	15.5
63	23 24 17.1	+14 43 07	9	0.34	125	15.4	15.5
64	23 24 11.0	+15 14 13	7	0.19	93	15.4	15.4
65	23 27 19.2	+14 53 13	8	0.44	93	15.4	15.4
66	23 24 38.1	+14 40 02	9	0.10	103	15.4	15.5
67	23 27 24.6	+14 54 59	6	0.11	1	15.5	15.4
68	23 26 09.1	+14 49 27	6	0.26	99	15.5	15.5
69	23 27 23.7	+15 12 58	8	0.19	87	15.5	15.6
70	23 25 48.2	+14 03 15	9	0.17	28	15.5	15.6
71	23 25 17.1	+14 47 13	10	0.48	69	15.5	15.7
72	23 26 20.4	+14 57 25	11	0.14	69	15.5	15.8
73	23 24 03.3	+13 56 51	9	0.21	119	15.5	15.7
74	23 25 35.0	+15 07 54	6	0.32	69	15.5	15.4
75	23 23 33.4	+14 34 32	11	0.37	131	15.5	15.7
76	23 23 25.1	+14 47 19	7	0.11	44	15.6	15.6
77	23 26 54.1	+14 59 30	8	0.65	110	15.6	15.7
78	23 24 47.1	+14 22 59	7	0.19	122	15.6	15.6
79	23 24 36.7	+14 36 35	8	0.17	20	15.6	15.7
80	23 23 35.4	+15 11 40	10	0.30	165	15.6	15.9
81	23 26 48.0	+14 48 25	8	0.32	82	15.6	15.6
82	23 24 22.1	+15 06 12	8	0.08	141	15.6	15.7
83	23 24 01.4	+14 28 49	10	0.32	98	15.6	15.8
84	23 24 39.7	+14 39 58	9	0.36	89	15.6	15.7
85	23 27 22.9	+15 10 44	6	0.13	80	15.6	15.5
86	23 26 33.2	+15 02 56	9	0.23	99	15.6	15.8
87	23 24 32.4	+14 46 29	9	0.09	27	15.6	15.7
88	23 26 39.4	+15 03 25	9	0.55	92	15.6	15.8
89	23 24 33.9	+14 39 11	8	0.26	119	15.7	15.7
90	23 27 14.1	+14 48 53	8	0.10	49	15.7	15.8
91	23 23 31.4	+14 47 01	7	0.11	30	15.7	15.7
92	23 26 11.2	+14 01 46	8	0.28	73	15.7	15.8
93	23 26 18.9	+14 18 51	6	0.10	95	15.7	15.7
94	23 24 15.7	+14 41 31	10	0.23	104	15.7	15.9
95	23 22 23.9	+15 11 49	6	0.27	92	15.7	15.6
96	23 26 08.3	+13 58 17	6	0.11	84	15.7	15.7
97	23 24 18.2	+13 59 36	7	0.16	44	15.7	15.8
98	23 22 18.6	+14 39 11	6	0.20	66	15.7	15.7
99	23 24 10.7	+14 43 35	8	0.24	123	15.7	15.7
100	23 24 54.0	+14 12 54	8	0.43	3	15.8	15.9

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	23 24 55.9	+14 17 37	8	0.34	116	15.8	15.9
102	23 23 51.3	+14 44 17	5	0.33	39	15.8	15.1
103	23 23 55.9	+14 08 18	8	0.25	79	15.8	15.9
104	23 23 42.6	+14 27 57	6	0.59	114	15.8	15.8
105	23 24 09.0	+14 35 12	6	0.64	132	15.8	15.8
106	23 25 50.9	+14 37 40	9	0.16	12	15.8	16.0
107	23 26 35.8	+14 48 31	8	0.19	35	15.9	16.0
108	23 24 28.3	+14 41 37	8	0.24	78	15.9	15.9
109	23 25 17.5	+14 17 13	7	0.34	102	15.9	16.0
110	23 22 47.9	+14 50 40	7	0.36	40	15.9	16.0
111	23 24 18.6	+14 26 24	9	0.10	129	15.9	16.0
112	23 23 48.2	+14 33 57	8	0.65	3	15.9	16.1
113	23 24 14.8	+14 41 21	7	0.21	67	15.9	15.9
114	23 24 11.4	+14 40 58	9	0.07	134	16.0	16.1
115	23 25 54.2	+13 57 07	7	0.37	112	16.0	16.0
116	23 24 55.6	+13 57 22	7	0.41	72	16.0	16.0
117	23 26 00.2	+14 09 27	9	0.31	96	16.0	16.3
118	23 21 48.4	+13 58 45	10	0.38	88	16.0	16.3
119	23 23 27.9	+14 05 28	7	0.53	74	16.0	16.0
120	23 21 47.0	+15 04 52	11	0.20	58	16.0	16.4
121	23 23 31.7	+15 13 53	8	0.12	83	16.0	16.1
122	23 26 00.2	+14 09 34	9	0.46	45	16.0	16.3
123	23 25 17.6	+13 55 26	5	0.28	83	16.0	15.3
124	23 24 05.9	+13 56 29	8	0.29	71	16.0	16.1
125	23 26 35.1	+14 53 57	7	0.35	115	16.0	16.0
126	23 22 33.3	+14 40 34	7	0.38	82	16.0	15.9
127	23 25 03.5	+14 53 21	6	0.45	72	16.1	16.1
128	23 27 16.1	+15 14 02	6	0.62	15	16.1	16.0
129	23 23 35.3	+14 29 45	7	0.50	42	16.1	16.1
130	23 24 03.5	+13 56 38	5	0.36	103	16.1	16.0
131	23 25 30.5	+14 35 17	7	0.55	96	16.1	16.2
132	23 25 30.1	+14 35 11	7	0.34	92	16.1	16.2
133	23 21 59.0	+14 15 17	10	0.40	104	16.1	16.5
134	23 25 55.4	+14 41 06	5	0.24	99	16.2	16.1
135	23 27 11.3	+15 00 47					
136	23 26 03.1	+14 37 41	7	0.37	55	16.2	16.2
137	23 26 24.8	+14 04 10	6	0.36	94	16.2	16.1
138	23 23 52.3	+14 54 43	7	0.43	163	16.2	16.2
139	23 24 03.7	+15 12 14	10	0.27	158	16.2	16.4
140	23 25 35.5	+14 49 06	8	0.26	56	16.2	16.3
141	23 24 27.6	+14 30 30	9	0.52	270	16.2	16.4
142	23 24 28.3	+14 45 47	7	0.30	166	16.2	16.2
143	23 24 18.4	+14 39 09	6	0.22	129	16.3	16.2
144	23 23 05.7	+14 53 01	5	0.18	2	16.3	16.2
145	23 24 22.1	+14 41 56	8	0.08	143	16.3	16.4
146	23 23 29.3	+14 20 18	10	0.65	86	16.3	16.6
147	23 24 10.3	+14 25 23	9	0.13	84	16.3	16.4
148	23 23 22.9	+14 56 10	7	0.56	23	16.3	16.4
149	23 24 42.4	+14 36 27	8	0.34	56	16.3	16.4
150	23 26 23.8	+15 02 59	6	0.60	153	16.3	16.2

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N	α	δ	R_1	ϵ	θ	m_T	m_a
151	23 23 48.3	+14 29 33	7	0.28	175	16.3	16.4
152	23 24 53.1	+14 20 57	8	0.11	162	16.3	16.4
153	23 26 46.7	+14 06 26	9	0.16	75	16.3	16.5
154	23 23 57.3	+14 41 44	7	0.13	177	16.3	16.4
155	23 22 32.1	+14 56 06	11	0.30	166	16.4	16.8
156	23 24 10.5	+14 56 29	7	0.21	148	16.4	16.4
157	23 27 11.2	+14 45 41	9	0.52	34	16.4	16.6
158	23 24 27.0	+14 38 17	7	0.22	89	16.4	16.5
159	23 23 36.9	+15 15 24	9	0.48	51	16.4	16.6
160	23 27 07.3	+15 13 28	8	0.42	77	16.4	16.5
161	23 24 36.9	+14 39 42	6	0.16	178	16.4	16.4
162	23 23 16.6	+15 05 13	8	0.29	130	16.4	16.5
163	23 23 14.3	+14 41 20	9	0.47	157	16.4	16.4
164	23 26 14.3	+14 26 48	7	0.32	135	16.4	16.4
165	23 24 39.5	+14 32 28	7	0.38	101	16.4	16.4
166	23 25 01.5	+14 12 52	6	0.55	41	16.5	16.4
167	23 25 18.8	+14 39 42	8	0.30	64	16.5	16.5
168	23 27 20.9	+15 10 37	7	0.66	59	16.5	16.4
169	23 23 44.5	+14 58 20	7	0.28	111	16.5	16.5
170	23 24 55.7	+15 01 28	6	0.68	1	16.5	16.5
171	23 23 09.0	+15 02 33	8	0.20	130	16.5	16.6
172	23 23 10.5	+14 49 05	8	0.53	122	16.5	16.5
173	23 22 59.4	+14 59 08	10	0.35	39	16.5	16.9
174	23 24 30.2	+14 38 58	7	0.37	62	16.5	16.5
175	23 23 01.2	+14 27 03	10	0.07	148	16.5	16.9
176	23 23 23.7	+15 05 28	8	0.22	58	16.5	16.6
177	23 24 20.0	+14 38 26	4	0.45	67	16.5	16.3
178	23 24 23.2	+14 13 34	9	0.25	85	16.5	16.7
179	23 24 52.1	+14 08 18	7	0.10	169	16.5	16.5
180	23 23 07.9	+15 02 30	8	0.38	76	16.6	16.7
181	23 22 18.5	+14 20 00	7	0.25	80	16.6	16.6
182	23 25 10.8	+14 12 56	9	0.61	35	16.6	16.8
183	23 24 09.3	+14 34 45	7	0.54	112	16.6	16.6
184	23 25 01.4	+14 42 57	7	0.03	67	16.6	16.6
185	23 23 03.5	+14 24 23	6	0.13	100	16.6	16.5
186	23 24 35.3	+14 42 02	8	0.42	170	16.6	16.7
187	23 23 30.6	+14 20 18	9	0.32	42	16.6	17.0
188	23 26 32.3	+14 53 25	7	0.22	90	16.6	16.6
189	23 24 28.3	+15 02 04	7	0.25	48	16.6	16.6
190	23 22 59.1	+14 34 19	6	0.33	79	16.6	16.5
191	23 24 00.3	+14 39 57	7	0.18	117	16.6	16.7
192	23 24 17.3	+14 25 33	6	0.35	37	16.6	16.6
193	23 27 12.3	+14 53 39	9	0.27	125	16.7	16.9
194	23 26 47.1	+14 23 05	8	0.14	111	16.7	16.8
195	23 24 34.5	+14 30 40	8	0.48	4	16.7	16.8
196	23 24 35.8	+14 52 29	7	0.07	72	16.7	16.7
197	23 22 53.3	+14 47 17	8	0.03	73	16.7	16.8
198	23 23 20.5	+14 56 10	6	0.12	110	16.7	16.6
199	23 27 11.6	+14 58 28	11	0.54	48	16.7	17.1
200	23 25 00.5	+14 16 33	10	0.49	36	16.7	16.8

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N	α	δ	R_1	ϵ	θ	m_T	m_a
201	23 24 15.4	+14 23 09	6	0.17	101	16.7	16.7
202	23 27 17.3	+14 16 47	6	0.40	74	16.7	16.7
203	23 22 35.0	+14 43 46	7	0.31	135	16.7	16.7
204	23 25 59.3	+14 17 54	8	0.39	8	16.8	16.9
205	23 26 48.6	+14 00 32	9	0.37	54	16.8	16.9
206	23 24 59.3	+15 03 03	8	0.07	172	16.8	16.8
207	23 25 00.8	+14 16 45	6	0.22	123	16.8	16.7
208	23 24 28.7	+14 42 25	7	0.59	47	16.8	16.9
209	23 23 10.5	+15 01 18	7	0.49	121	16.8	16.8
210	23 23 19.6	+14 53 10	9	0.48	175	16.8	17.0
211	23 24 00.2	+14 33 44	9	0.53	53	16.8	16.9
212	23 23 11.7	+14 03 41	6	0.37	56	16.8	16.7
213	23 25 08.9	+15 09 38	9	0.60	27	16.8	17.0
214	23 22 13.0	+14 06 09	6	0.29	104	16.8	16.7
215	23 24 11.7	+14 24 00	7	0.35	129	16.8	16.8
216	23 21 54.6	+14 57 13	8	0.08	88	16.8	16.9
217	23 21 53.7	+15 14 04	11	0.68	110	16.9	17.4
218	23 24 25.7	+14 40 44	7	0.14	80	16.9	17.0
219	23 26 58.5	+14 48 38	7	0.47	60	16.9	17.0
220	23 22 31.4	+14 43 42	10	0.48	105	16.9	17.4
221	23 23 00.3	+14 12 48	8	0.32	165	16.9	17.0
222	23 24 25.3	+14 26 03	8	0.19	110	16.9	17.0
223	23 23 51.0	+14 34 00	6	0.38	25	16.9	16.9
224	23 26 35.2	+14 55 27	9	0.33	156	16.9	17.1
225	23 22 09.1	+14 05 57	7	0.17	114	16.9	16.9
226	23 24 31.1	+14 36 59	7	0.39	121	16.9	16.9
227	23 26 49.6	+14 02 42	7	0.06	111	16.9	17.0

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N	α	δ	R_1	ϵ	θ	m_T	m_a
1	23 44 57.4	+ 9 11 35	34	0.15	128	13.7	16.6
2	23 46 52.6	+ 9 29 54	15	0.69	115	14.0	15.4
3	23 46 45.2	+ 9 05 24	12	0.58	117	14.2	14.4
4	23 44 25.3	+ 9 28 09	13	0.10	59	14.3	15.2
5	23 44 30.5	+ 9 15 50	14	0.10	106	14.3	16.1
6	23 43 16.8	+ 8 42 37	18	0.52	34	14.4	14.9
7	23 44 16.1	+ 9 02 55	15	0.16	56	14.5	14.9
8	23 42 45.4	+ 8 29 04	13	0.15	43	14.7	15.0
9	23 44 32.9	+ 8 49 47	13	0.65	163	14.7	14.9
10	23 43 07.3	+ 8 46 56	13	0.31	53	14.7	15.0
11	23 44 24.6	+ 9 09 51	14	0.30	128	14.7	14.9
12	23 44 26.6	+ 9 09 36	13	0.40	103	14.8	15.1
13	23 45 17.3	+ 9 16 15	13	0.12	140	14.8	15.7
14	23 47 29.7	+ 9 04 01	10	0.64	6	14.8	15.0
15	23 46 33.5	+ 9 26 52	12	0.30	50	14.9	17.0
16	23 47 30.1	+ 9 09 01	16	0.55	46	14.9	15.4
17	23 44 46.4	+ 8 27 26	10	0.67	15	15.0	15.1
18	23 42 43.9	+ 9 35 42	15	0.10	178	15.0	15.8
19	23 47 14.8	+ 8 52 28	8	0.57	108	15.0	15.0
20	23 45 07.0	+ 9 03 34	12	0.43	80	15.1	15.4
21	23 42 11.2	+ 8 57 23	12	0.31	93	15.1	15.3
22	23 45 56.5	+ 9 15 23	8	0.67	39	15.1	17.9
23	23 44 02.7	+ 9 15 23	8	0.27	66	15.1	17.2
24	23 42 44.2	+ 8 42 22	7	0.51	177	15.2	15.1
25	23 47 32.0	+ 9 21 05	10	0.10	135	15.2	17.1
26	23 46 14.7	+ 9 39 24	8	0.24	78	15.2	15.1
27	23 45 51.7	+ 8 49 02	11	0.23	175	15.2	15.3
28	23 44 23.2	+ 9 03 31	12	0.40	55	15.3	15.5
29	23 44 43.9	+ 9 12 55	10	0.10	147	15.3	16.6
30	23 47 02.9	+ 9 33 26	10	0.44	78	15.3	16.1
31	23 45 02.3	+ 9 10 23	11	0.65	109	15.3	15.3
32	23 46 56.5	+ 8 57 26	9	0.42	65	15.3	15.3
33	23 47 27.4	+ 9 15 55	11	0.45	137	15.3	16.5
34	23 42 42.6	+ 8 29 22	13	0.66	158	15.4	15.7
35	23 45 40.6	+ 9 14 07	11	0.25	96	15.4	17.4
36	23 45 31.4	+ 9 12 39	10	0.23	10	15.4	17.3
37	23 42 51.9	+ 9 06 45	11	0.34	142	15.4	15.5
38	23 44 59.9	+ 9 11 33	6	0.23	19	15.5	17.0
39	23 46 05.4	+ 8 55 51	9	0.10	110	15.5	15.5
40	23 45 26.0	+ 9 33 07	10	0.44	142	15.5	17.8
41	23 46 06.1	+ 9 22 23	9	0.12	156	15.5	17.2
42	23 45 14.5	+ 9 28 20	7	0.46	30	15.5	17.8
43	23 45 08.9	+ 9 47 42	11	0.25	38	15.5	17.3
44	23 44 31.0	+ 9 07 48	9	0.28	179	15.6	15.6
45	23 45 39.5	+ 9 13 54	9	0.34	70	15.6	16.2
46	23 43 42.2	+ 8 59 28	10	0.28	137	15.6	15.7
47	23 43 10.0	+ 8 51 13	12	0.63	16	15.6	15.8
48	23 47 25.9	+ 8 58 06	9	0.68	135	15.6	15.6
49	23 46 37.0	+ 9 40 22	10	0.31	48	15.6	17.6
50	23 44 56.3	+ 9 07 45	9	0.25	23	15.7	15.7

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	23 43 38.8	+ 8 47 56	14	0.54	64	15.7	16.2
52	23 45 01.7	+ 9 02 40	9	0.10	173	15.7	15.7
53	23 43 00.7	+ 8 49 36	8	0.45	72	15.8	15.8
54	23 47 20.5	+ 9 48 12	5	0.30	31	15.8	15.6
55	23 46 58.5	+ 9 05 26	9	0.15	152	15.8	15.8
56	23 44 27.8	+ 9 16 01	8	0.12	126	15.8	15.1
57	23 45 15.2	+ 9 12 15	9	0.43	162	15.8	16.1
58	23 43 58.0	+ 9 16 23	9	0.21	14	15.8	15.1
59	23 46 02.3	+ 9 00 58	10	0.31	74	15.8	15.9
60	23 42 22.2	+ 9 25 01	12	0.30	169	15.8	15.6
61	23 46 25.9	+ 9 44 06	6	0.10	0	15.9	17.4
62	23 44 57.2	+ 9 12 09	11	0.21	63	15.9	17.3
63	23 44 33.0	+ 9 11 24	9	0.30	67	15.9	15.4
64	23 45 03.2	+ 9 06 23	5	0.57	71	15.9	15.4
65	23 43 36.8	+ 9 20 25	9	0.31	114	15.9	17.4
66	23 44 32.2	+ 9 11 32	7	0.10	65	15.9	15.9
67	23 43 08.0	+ 9 41 06	7	0.59	8	15.9	17.4
68	23 46 21.4	+ 8 53 02	8	0.11	152	15.9	15.9
69	23 44 11.7	+ 8 28 52	9	0.28	115	16.0	16.0
70	23 42 40.3	+ 9 00 08	11	0.44	177	16.0	16.2
71	23 45 51.1	+ 9 03 11	8	0.54	151	16.0	16.0
72	23 44 41.9	+ 9 10 51	9	0.31	92	16.1	16.1
73	23 46 45.1	+ 9 35 19	9	0.10	5	16.1	16.3
74	23 44 45.9	+ 9 15 34	9	0.47	50	16.1	17.3
75	23 44 00.6	+ 8 35 10	9	0.32	17	16.1	16.1
76	23 46 30.1	+ 8 57 36	8	0.25	163	16.1	16.0
77	23 45 12.3	+ 9 16 45	8	0.33	48	16.1	15.0
78	23 43 29.3	+ 9 08 59	8	0.31	176	16.1	16.1
79	23 44 45.5	+ 8 35 40	11	0.57	99	16.1	16.3
80	23 42 37.5	+ 9 34 38	11	0.13	111	16.1	16.2
81	23 42 18.4	+ 8 32 14	11	0.52	46	16.2	16.4
82	23 47 09.1	+ 9 00 29	9	0.10	54	16.2	16.3
83	23 44 45.1	+ 9 13 35	7	0.24	34	16.2	17.8
84	23 47 33.8	+ 9 40 16	9	0.17	16	16.2	17.2
85	23 46 25.8	+ 9 43 51	5	0.10	0	16.2	16.2
86	23 46 25.3	+ 8 48 00	10	0.10	49	16.3	16.3
87	23 46 45.1	+ 9 35 11	6	0.66	76	16.3	17.5
88	23 44 15.0	+ 9 08 04	8	0.34	53	16.3	16.2
89	23 46 03.5	+ 9 20 06	7	0.22	146	16.3	17.5
90	23 46 30.5	+ 8 39 33	8	0.12	18	16.3	16.3
91	23 42 51.6	+ 9 20 58	10	0.60	49	16.3	17.5
92	23 44 50.1	+ 9 27 20	10	0.46	11	16.3	16.3
93	23 44 15.8	+ 9 00 30	9	0.23	20	16.3	16.3
94	23 44 47.2	+ 9 40 52	8	0.17	77	16.3	17.6
95	23 44 38.6	+ 9 10 05	8	0.23	10	16.3	16.3
96	23 44 25.2	+ 8 45 37	6	0.33	56	16.3	16.2
97	23 46 06.2	+ 8 40 04	7	0.51	166	16.3	16.2
98	23 47 30.7	+ 8 44 16	8	0.34	11	16.4	16.4
99	23 43 57.7	+ 8 26 53	8	0.38	158	16.4	16.4
100	23 47 39.0	+ 9 10 16	7	0.10	0	16.4	16.3

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	23 47 16.8	+ 9 26 00	7	0.18	72	16.4	17.0
102	23 42 34.2	+ 9 15 40	9	0.82	74	16.4	16.9
103	23 45 09.2	+ 9 05 04	8	0.29	74	16.4	16.3
104	23 46 02.6	+ 9 11 18	10	0.10	92	16.4	15.8
105	23 45 42.9	+ 9 00 30	8	0.10	26	16.5	16.5
106	23 44 54.7	+ 8 56 42	7	0.24	137	16.5	16.4
107	23 47 04.2	+ 9 32 25	7	0.10	40	16.5	17.8
108	23 44 09.9	+ 9 39 18	7	0.48	139	16.5	17.2
109	23 44 15.5	+ 9 00 42	7	0.11	108	16.5	16.4
110	23 44 35.1	+ 9 08 39	9	0.32	97	16.5	16.5
111	23 42 20.5	+ 8 40 11	6	0.11	172	16.5	16.3
112	23 43 49.4	+ 9 08 48	11	0.34	14	16.5	16.7
113	23 43 29.5	+ 9 08 17	11	0.13	133	16.5	16.7
114	23 47 27.6	+ 9 40 18	5	0.27	94	16.5	17.8
115	23 46 10.4	+ 8 30 33	8	0.47	78	16.6	16.6
116	23 42 59.6	+ 8 30 17	8	0.10	126	16.6	16.6
117	23 47 30.7	+ 8 44 30	7	0.54	94	16.6	16.3
118	23 44 35.7	+ 9 12 08	8	0.18	111	16.6	15.3
119	23 43 44.1	+ 9 01 33	8	0.36	19	16.6	16.6
120	23 45 58.9	+ 9 16 01	8	0.28	113	16.6	14.6
121	23 45 18.4	+ 8 59 42	7	0.10	34	16.6	16.5
122	23 42 28.4	+ 9 06 06	7	0.18	37	16.6	16.5
123	23 45 59.0	+ 8 57 17	7	0.15	45	16.6	16.6
124	23 42 08.9	+ 9 03 53	6	0.15	65	16.6	16.3
125	23 47 19.9	+ 9 27 40	8	0.10	71	16.7	17.1
126	23 45 43.9	+ 9 00 43	6	0.46	46	16.7	16.5
127	23 45 01.1	+ 9 12 40	7	0.19	51	16.7	17.4
128	23 47 09.2	+ 8 29 28	10	0.37	43	16.7	16.8
129	23 44 09.6	+ 8 29 55	8	0.15	54	16.7	16.7
130	23 46 15.3	+ 8 38 12	8	0.29	179	16.7	16.6
131	23 45 07.0	+ 9 00 44	7	0.10	6	16.7	16.6
132	23 43 28.3	+ 8 51 49	6	0.25	37	16.7	16.5
133	23 44 39.0	+ 8 43 27	7	0.10	130	16.7	16.6
134	23 44 03.6	+ 8 27 34	8	0.34	146	16.7	16.6
135	23 43 29.3	+ 9 03 56	9	0.17	90	16.7	16.7
136	23 46 22.5	+ 8 32 56	8	0.17	37	16.8	16.8
137	23 44 41.8	+ 8 49 14	8	0.53	19	16.8	16.8
138	23 44 57.3	+ 9 05 24	9	0.48	51	16.8	16.8
139	23 47 05.6	+ 9 34 26	7	0.45	131	16.8	17.3
140	23 45 22.8	+ 8 46 43	7	0.10	178	16.8	16.7
141	23 46 14.1	+ 8 42 11	8	0.39	84	16.9	16.9
142	23 45 23.3	+ 9 20 57	7	0.35	157	16.9	17.7
143	23 46 47.3	+ 9 40 39	9	0.10	119	16.9	16.5
144	23 43 33.2	+ 8 46 41	7	0.37	70	16.9	16.8
145	23 43 28.2	+ 9 01 00	8	0.10	11	16.9	16.9
146	23 44 31.4	+ 9 20 07	7	0.28	79	16.9	17.1
147	23 46 35.2	+ 9 47 18	10	0.58	151	16.9	17.9
148	23 46 29.6	+ 9 39 44	8	0.45	60	16.9	17.2
149	23 42 26.3	+ 9 29 50	7	0.10	78	16.9	14.5
150	23 46 28.0	+ 8 56 31	8	0.24	40	16.9	16.9

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N	α	δ	R_1	ϵ	θ	m_T	m_a
151	23 43 27.6	+ 9 03 40	8	0.29	14	16.9	16.9
152	23 43 33.7	+ 8 46 41	6	0.41	129	16.9	16.7
153	23 42 18.0	+ 9 48 41	5	0.21	26	16.9	18.1
154	23 43 07.6	+ 9 19 14	8	0.10	38	16.9	17.2
155	23 45 45.5	+ 8 29 40	7	0.18	137	16.9	16.8
156	23 46 08.6	+ 9 14 26	8	0.20	42	16.9	15.6
157	23 43 39.4	+ 9 08 34	8	0.41	73	17.0	16.9
158	23 43 55.0	+ 9 00 21	8	0.20	145	17.0	16.9
159	23 44 03.4	+ 9 24 48	7	0.28	164	17.0	17.6
160	23 43 43.1	+ 8 42 24	6	0.36	35	17.0	16.9
161	23 44 30.8	+ 9 06 15	7	0.19	94	17.0	16.9
162	23 44 02.4	+ 8 50 08	8	0.36	143	17.0	17.0
163	23 45 22.5	+ 9 20 52	8	0.20	103	17.0	18.3
164	23 44 15.1	+ 8 50 58	8	0.10	44	17.0	16.9
165	23 46 14.0	+ 8 28 46	8	0.53	138	17.0	17.0
166	23 43 34.5	+ 8 53 47	8	0.44	121	17.1	17.1
167	23 43 25.7	+ 9 27 10	7	0.66	128	17.1	17.2
168	23 46 10.4	+ 9 05 46	8	0.37	26	17.1	16.9
169	23 43 29.0	+ 9 08 12	7	0.38	90	17.1	16.7
170	23 44 47.8	+ 9 08 10	5	0.34	175	17.1	16.9
171	23 47 32.3	+ 8 29 46	6	0.52	175	17.1	16.8
172	23 47 07.8	+ 9 31 02	7	0.18	94	17.1	17.1
173	23 45 15.2	+ 9 11 22	8	0.16	98	17.1	15.2
174	23 45 57.7	+ 8 26 10	8	0.43	45	17.1	17.0
175	23 43 01.8	+ 9 28 03	7	0.34	153	17.1	17.2
176	23 46 35.2	+ 9 47 29	9	0.40	124	17.1	17.6
177	23 43 13.9	+ 8 34 54	9	0.52	56	17.1	17.1
178	23 44 27.9	+ 8 28 41	8	0.59	4	17.1	17.1
179	23 44 23.4	+ 8 29 12	8	0.10	152	17.1	17.1
180	23 46 17.0	+ 8 36 00	8	0.50	11	17.1	17.0
181	23 43 39.4	+ 8 43 23	7	0.79	179	17.1	17.0
182	23 44 25.7	+ 8 54 45	6	0.28	72	17.1	17.1
183	23 42 25.7	+ 9 21 28	7	0.56	163	17.1	17.2
184	23 43 45.8	+ 9 21 27	6	0.15	31	17.2	17.0
185	23 46 09.8	+ 8 42 30	7	0.11	138	17.2	17.0
186	23 44 44.8	+ 8 44 51	7	0.59	159	17.2	17.0
187	23 47 36.6	+ 8 36 06	8	0.10	143	17.2	17.2
188	23 46 32.9	+ 9 31 43	8	0.13	46	17.2	17.2
189	23 45 04.3	+ 9 30 46	7	0.25	137	17.2	14.5
190	23 46 17.3	+ 9 09 32	8	0.35	1	17.2	17.2
191	23 45 50.0	+ 9 14 55	8	0.25	117	17.2	15.1
192	23 42 34.5	+ 8 55 19	7	0.36	8	17.2	17.1
193	23 45 30.6	+ 9 24 50	6	0.46	90	17.2	16.9
194	23 43 15.9	+ 9 25 33	7	0.24	98	17.2	17.8
195	23 45 35.6	+ 9 30 33	7	0.54	12	17.2	17.7

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N	α	δ	R_1	ϵ	θ	m_T	m_a
1	23 54 13.6	-10 25 12	18	0.25	140	13.8	14.7
2	23 55 06.4	-10 00 01	14	0.13	24	14.5	15.6
3	23 54 54.0	-10 17 20	14	0.17	47	14.6	15.3
4	23 55 14.5	-10 21 43	7	0.13	124	14.7	14.7
5	23 53 58.6	-10 41 40	11	0.56	166	14.9	15.4
6	23 53 47.5	-10 37 35	11	0.15	34	15.0	15.3
7	23 53 33.8	-10 35 11	13	0.06	43	15.0	15.4
8	23 53 46.7	-10 16 18	11	0.29	14	15.1	15.5
9	23 55 00.7	-10 10 17	10	0.53	23	15.1	15.3
10	23 54 14.7	-10 10 01	12	0.21	78	15.2	15.6
11	23 53 35.5	-10 28 10	10	0.17	13	15.2	15.5
12	23 54 16.6	-10 14 58	11	0.55	108	15.2	15.5
13	23 54 06.3	-10 25 30	11	0.38	164	15.2	15.5
14	23 54 05.7	-10 18 35	10	0.04	172	15.2	15.5
15	23 54 13.2	-10 10 02	6	0.40	9	15.3	15.3
16	23 54 07.0	-10 25 20	9	0.10	80	15.3	15.5
17	23 54 03.8	-10 20 04	8	0.30	98	15.3	15.4
18	23 54 18.5	-10 32 37	9	0.35	80	15.3	15.5
19	23 54 48.4	-10 25 49	9	0.34	163	15.4	15.6
20	23 55 31.2	-10 43 42	9	0.12	102	15.4	15.5
21	23 52 58.6	-10 41 14	11	0.31	137	15.4	15.8
22	23 54 13.3	-10 23 12	9	0.52	64	15.4	15.6
23	23 55 29.6	-10 03 53	11	0.39	88	15.5	15.7
24	23 54 10.3	-10 29 53	9	0.17	106	15.5	15.7
25	23 54 38.1	-10 19 11	11	0.21	113	15.5	15.9
26	23 54 21.4	-10 25 13	8	0.19	43	15.5	15.5
27	23 54 13.6	-10 23 27	10	0.60	112	15.5	15.8
28	23 55 07.3	-10 03 25	9	0.34	5	15.6	15.8
29	23 53 05.6	-10 40 57	9	0.47	93	15.6	15.8
30	23 53 45.6	-10 33 55	9	0.36	58	15.6	15.8
31	23 53 32.7	-10 34 27	8	0.13	140	15.6	15.8
32	23 54 21.9	-10 25 20	5	0.75	9	15.6	15.4
33	23 55 20.7	-10 22 17	8	0.39	78	15.6	15.7
34	23 53 19.1	-10 23 06	11	0.06	8	15.7	16.1
35	23 54 19.4	-10 33 01	8	0.55	53	15.7	15.7
36	23 54 14.2	-10 21 31	7	0.07	1	15.7	15.7
37	23 54 18.4	-10 25 12	9	0.09	114	15.7	15.8
38	23 55 03.8	-10 31 01	10	0.32	86	15.7	16.0
39	23 53 08.9	-10 44 18	11	0.53	151	15.7	16.1
40	23 54 39.5	-10 25 25	9	0.26	129	15.7	15.8
41	23 54 48.9	-10 19 22	9	0.27	84	15.7	15.8
42	23 53 55.9	-10 16 17	9	0.25	168	15.7	15.9
43	23 53 29.5	-10 31 46	8	0.22	97	15.8	15.9
44	23 53 37.5	-10 15 34	9	0.24	121	15.8	15.9
45	23 54 01.5	-10 12 52	9	0.19	133	15.8	16.0
46	23 54 00.3	-10 21 49	9	0.54	96	15.8	15.9
47	23 52 44.8	-10 17 47	8	0.16	31	15.8	15.8
48	23 53 58.0	-10 18 02	8	0.29	15	15.9	16.0
49	23 54 30.6	-10 31 41	7	0.30	135	15.9	15.9
50	23 54 02.1	-10 26 01	9	0.05	32	15.9	16.1

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N	α	δ	R_1	ϵ	θ	m_T	m_a
51	23 55 00.9	-10 31 46	6	0.33	40	15.9	15.8
52	23 54 15.6	-10 26 32	8	0.16	169	15.9	15.9
53	23 52 42.8	-10 43 33	8	0.45	63	15.9	16.0
54	23 54 13.6	-10 22 24	8	0.24	61	16.0	16.0
55	23 54 44.1	-10 16 59	11	0.55	161	16.0	16.5
56	23 53 54.3	-10 02 46	8	0.19	85	16.0	16.1
57	23 53 24.1	-10 08 56	9	0.08	150	16.0	16.1
58	23 54 27.4	-10 22 17	9	0.50	23	16.0	16.1
59	23 53 40.0	-10 25 51	10	0.48	85	16.0	16.4
60	23 53 47.1	-10 12 10	7	0.28	3	16.0	16.0
61	23 54 03.4	-10 21 01	8	0.28	128	16.0	16.1
62	23 54 04.5	-10 25 53	9	0.54	106	16.0	16.1
63	23 55 20.4	-10 05 32	9	0.13	175	16.1	16.2
64	23 53 57.0	-10 22 32	8	0.34	162	16.1	16.1
65	23 54 18.3	-10 20 18	9	0.28	162	16.1	16.2
66	23 54 08.2	-10 12 32	8	0.43	66	16.1	16.2
67	23 54 18.7	-10 12 06	7	0.16	9	16.1	16.1
68	23 54 18.1	-10 16 09	6	0.27	129	16.2	16.1
69	23 53 27.8	-10 30 40	8	0.45	108	16.2	16.4
70	23 54 12.7	-10 19 19	8	0.15	136	16.2	16.2
71	23 54 27.3	-10 24 03	9	0.53	147	16.2	16.4
72	23 53 37.1	-10 17 48	8	0.32	72	16.2	16.2
73	23 54 28.7	-10 09 19	6	0.27	179	16.2	16.2
74	23 54 18.3	-10 13 53	11	0.61	142	16.2	16.5
75	23 54 17.1	-10 24 59	6	0.30	59	16.2	16.1
76	23 55 14.6	-10 29 49	8	0.10	53	16.3	16.4
77	23 54 03.8	-10 22 43	9	0.34	127	16.3	16.5
78	23 54 45.8	-10 14 49	7	0.35	101	16.3	16.3
79	23 55 04.8	-10 21 24	8	0.22	77	16.3	16.3
80	23 54 30.9	-10 17 00	7	0.34	146	16.3	16.3
81	23 54 18.0	-10 24 59	7	0.28	107	16.3	16.3
82	23 53 09.0	-10 29 43	9	0.42	149	16.3	16.4
83	23 53 16.7	-10 32 53	8	0.21	111	16.3	16.4
84	23 54 14.9	-10 14 13	8	0.39	8	16.3	16.4
85	23 54 05.9	-10 43 25	7	0.26	1	16.4	16.4
86	23 54 13.7	-10 26 42	6	0.16	121	16.4	16.4
87	23 53 18.8	-10 18 12	8	0.64	79	16.4	16.5
88	23 53 53.2	-10 38 08	6	0.40	161	16.4	16.3
89	23 53 03.3	-10 17 52	8	0.21	84	16.4	16.5
90	23 53 19.9	-10 32 19	6	0.11	160	16.4	16.3
91	23 54 02.7	-10 28 45	8	0.17	145	16.4	16.5
92	23 54 52.1	-10 03 59	8	0.34	66	16.4	16.5
93	23 54 07.7	-10 00 54	8	0.02	152	16.4	16.5
94	23 54 20.0	-10 06 31	8	0.50	160	16.4	16.4
95	23 54 25.9	-9 59 29	7	0.13	46	16.5	16.5
96	23 55 37.0	-10 06 18	6	0.32	131	16.5	16.4
97	23 54 13.6	-10 27 51	8	0.51	103	16.5	16.7
98	23 53 57.2	-10 22 52	7	0.25	167	16.5	16.6
99	23 54 33.1	-10 26 17	7	0.34	138	16.5	16.5
100	23 54 25.8	-9 59 41	7	0.11	145	16.5	16.5

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N	α	δ	R_1	ϵ	θ	m_T	m_a
101	23 54 14.7	-10 24 52	6	0.02	163	16.5	16.3
102	23 54 14.7	-10 28 22	8	0.06	174	16.6	16.7
103	23 53 24.7	-10 22 46	7	0.19	83	16.6	16.6
104	23 53 45.2	-10 35 41	7	0.12	78	16.6	16.6
105	23 53 15.5	-10 36 20	6	0.18	106	16.6	16.6
106	23 53 52.9	-10 25 12	7	0.24	72	16.6	16.6
107	23 55 33.7	-10 16 40	8	0.46	14	16.7	16.8
108	23 54 08.9	-10 11 00	8	0.19	49	16.7	16.8
109	23 54 55.9	-10 02 02	7	0.26	55	16.7	16.7
110	23 54 10.3	-10 29 24	7	0.11	84	16.7	16.7
111	23 54 44.8	-10 30 58	8	0.30	33	16.7	16.8
112	23 54 02.0	-10 16 38	7	0.07	30	16.7	16.7
113	23 54 51.2	-10 19 00	6	0.20	127	16.7	16.7
114	23 53 35.0	-10 02 52	7	0.08	166	16.7	16.6
115	23 54 41.6	-10 08 59	7	0.11	22	16.7	16.7
116	23 54 12.3	-10 14 15	7	0.17	1	16.7	16.8
117	23 53 48.4	-10 24 56	7	0.15	126	16.7	16.7
118	23 53 09.0	-10 11 01	6	0.14	106	16.7	16.6
119	23 55 01.2	-10 03 34	6	0.29	3	16.7	16.7
120	23 53 25.4	-10 02 30	9	0.10	15	16.7	16.9
121	23 52 43.6	-10 19 06	7	0.41	4	16.7	16.8
122	23 53 11.7	-10 18 39	7	0.32	7	16.7	16.7
123	23 53 26.2	-10 29 23	8	0.45	8	16.8	17.0
124	23 54 18.8	-10 23 22	6	0.11	161	16.8	16.8
125	23 54 13.4	-10 07 18	7	0.28	32	16.8	16.8
126	23 54 10.1	-10 27 50	6	0.23	58	16.8	16.7
127	23 54 10.7	-10 27 08	7	0.17	75	16.8	16.8
128	23 55 16.5	-10 46 08	8	0.20	161	16.8	16.8
129	23 55 22.7	-10 45 52	6	0.38	13	16.8	16.8
130	23 53 37.9	-10 36 10	8	0.30	133	16.8	16.9
131	23 53 41.4	-10 19 26	7	0.24	99	16.8	16.8
132	23 54 39.7	-10 15 05	7	0.13	158	16.8	16.9
133	23 53 32.2	-10 38 17	7	0.43	162	16.8	16.9
134	23 53 41.7	-10 42 15	7	0.06	9	16.8	16.8
135	23 54 53.5	-10 18 28	6	0.32	1	16.9	16.9
136	23 55 03.1	-10 40 16	7	0.28	102	16.9	16.9
137	23 54 36.6	-10 18 02	7	0.37	77	16.9	16.9
138	23 53 15.2	-10 02 32	7	0.35	88	16.9	16.9
139	23 53 22.7	-10 32 36	7	0.15	80	16.9	17.0
140	23 53 37.7	-10 03 19	6	0.13	81	16.9	16.8
141	23 52 44.3	-10 28 42	7	0.26	47	16.9	16.9
142	23 53 00.3	-10 29 57	4	0.01	85	16.9	16.7
143	23 54 08.6	-10 23 12	7	0.26	5	16.9	16.9
144	23 54 19.5	-10 25 56	7	0.18	123	16.9	16.9
145	23 54 38.3	-10 20 20	5	0.12	143	16.9	16.8
146	23 53 20.1	-10 03 06	6	0.18	119	16.9	16.8
147	23 53 32.3	-10 38 29	6	0.49	20	17.0	16.9
148	23 53 49.5	-10 26 49	6	0.13	89	17.0	16.9
149	23 54 50.9	-10 16 25	6	0.26	53	17.0	17.0
150	23 54 49.7	-10 01 57	8	0.31	131	17.0	17.0

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N	α	δ	R_1	ϵ	θ	m_T	m_a
151	23 53 26.4	-10 15 52	9	0.47	165	17.0	17.2
152	23 53 49.0	-10 17 39	8	0.17	149	17.0	17.0
153	23 54 11.0	-10 44 05	6	0.30	71	17.0	17.0
154	23 54 23.6	-10 26 29	7	0.17	147	17.0	17.0
155	23 54 18.9	-10 07 00	7	0.25	113	17.0	17.0
156	23 55 47.8	-10 47 21	7	0.18	79	17.0	17.0
157	23 54 35.2	-10 23 37	8	0.27	22	17.0	17.0
158	23 53 55.8	-10 21 16	6	0.08	166	17.0	16.9
159	23 53 29.0	-10 29 30	6	0.16	36	17.0	16.9
160	23 53 26.8	-10 24 46	7	0.40	43	17.0	17.0
161	23 52 59.2	-10 07 06	6	0.09	164	17.0	16.9
162	23 54 19.4	-10 20 42	6	0.04	163	17.1	17.1
163	23 53 40.1	-10 35 38	6	0.38	139	17.1	17.1
164	23 55 48.2	-10 03 00	8	0.24	80	17.1	17.2
165	23 54 57.2	-10 27 34	6	0.07	96	17.1	17.0
166	23 54 28.0	-10 36 30	7	0.07	165	17.1	17.1
167	23 53 53.4	-10 30 30	6	0.44	77	17.1	17.0
168	23 55 02.7	-10 14 58	8	0.45	14	17.1	17.2
169	23 55 20.4	-10 09 36	6	0.30	18	17.1	16.9
170	23 53 56.8	-10 42 21	8	0.50	26	17.1	17.3
171	23 54 16.9	-10 09 49	8	0.58	8	17.1	17.2
172	23 54 16.3	-10 20 20	6	0.35	162	17.1	17.1
173	23 55 40.7	-10 35 04	7	0.21	36	17.1	17.1
174	23 52 33.5	-10 33 57	7	0.54	29	17.1	17.1
175	23 54 39.4	-10 00 12	7	0.40	179	17.2	17.2
176	23 53 18.7	-10 17 00	7	0.19	2	17.2	17.2
177	23 55 01.9	-10 03 07	6	0.38	31	17.2	17.2
178	23 53 00.2	-10 04 37	5	0.18	176	17.2	17.0
179	23 55 19.1	-10 36 55	7	0.55	163	17.2	17.2
180	23 53 44.8	-10 34 08	7	0.11	137	17.2	17.2
181	23 53 34.9	-10 14 10	6	0.12	3	17.2	17.1
182	23 54 13.3	-10 20 03	6	0.27	106	17.2	17.2
183	23 54 55.3	-10 00 39	6	0.06	36	17.2	17.2
184	23 55 23.5	-10 05 14	7	0.09	28	17.2	17.2
185	23 54 13.5	-10 27 18	6	0.19	48	17.2	17.1
186	23 52 31.2	-10 16 44	6	0.35	28	17.2	17.1
187	23 55 15.9	-10 36 15	7	0.18	132	17.2	17.2
188	23 55 35.5	-10 15 07	6	0.27	143	17.2	17.1
189	23 53 21.1	-10 10 53	8	0.33	91	17.2	17.3
190	23 53 54.7	-10 23 52	6	0.10	78	17.2	17.2
191	23 54 09.1	-10 27 45	8	0.19	8	17.2	17.5
192	23 52 51.6	-10 06 39	8	0.26	172	17.2	17.3
193	23 52 45.6	-10 27 33	5	0.10	153	17.2	17.0
194	23 53 14.3	-10 30 08	7	0.28	155	17.2	17.2
195	23 53 05.9	-10 02 22	7	0.35	140	17.3	17.3
196	23 52 35.7	-10 35 52	5	0.17	70	17.3	17.1
197	23 54 40.4	-10 20 00	8	0.72	104	17.3	17.5
198	23 53 10.4	-10 47 49	6	0.25	29	17.3	17.3
199	23 53 53.1	-10 12 16	7	0.29	151	17.3	17.3
200	23 53 30.9	-10 09 08	7	0.40	2	17.3	17.3

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N	α	δ	R_1	ϵ	θ	m_T	m_a
201	23 55 01.8	-10 03 16	6	0.11	99	17.3	17.2
202	23 53 06.3	-10 08 44	6	0.45	80	17.3	17.2
203	23 54 04.7	-10 19 33	8	0.61	28	17.4	17.5
204	23 54 30.4	-10 26 29	8	0.14	157	17.4	17.4
205	23 54 04.4	-10 22 06	7	0.33	157	17.4	17.4
206	23 55 04.4	-10 20 24	6	0.35	115	17.4	17.4
207	23 55 14.3	-10 31 45	8	0.53	96	17.4	17.5
208	23 53 29.1	-10 00 00	9	0.26	39	17.4	18.0
209	23 54 39.8	-10 35 56	7	0.44	35	17.4	17.4
210	23 55 42.7	-10 19 35	7	0.23	145	17.4	17.5
211	23 52 33.2	-10 36 43	7	0.49	107	17.4	17.4
212	23 53 45.6	-10 09 21	6	0.03	46	17.4	17.3
213	23 55 49.2	-10 45 01	7	0.18	175	17.4	17.4
214	23 54 05.5	-10 22 55	6	0.30	155	17.5	17.4
215	23 54 36.3	-10 13 28	7	0.52	13	17.5	17.5
216	23 55 29.4	-10 17 21	7	0.13	113	17.5	17.5
217	23 53 20.9	-10 26 39	7	0.42	174	17.5	17.5
218	23 55 35.3	-10 02 41	6	0.06	51	17.5	17.4
219	23 53 40.1	-10 22 38	6	0.16	74	17.5	17.4
220	23 53 43.8	-10 36 39	6	0.14	96	17.5	17.4
221	23 52 40.3	-10 24 50	7	0.42	130	17.5	17.5
222	23 54 04.7	-10 14 12	4	0.18	174	17.5	17.2
223	23 53 13.3	-10 05 49	6	0.31	37	17.5	17.5
224	23 55 50.7	-10 07 20	5	0.30	152	17.5	17.3
225	23 54 10.6	-10 19 00	6	0.18	178	17.5	17.4
226	23 52 30.5	-10 35 04	6	0.21	115	17.5	17.4
227	23 54 50.5	-9 59 17	7	0.48	172	17.5	17.5
228	23 53 09.3	-10 01 03	7	0.53	71	17.5	17.5
229	23 55 35.3	-10 02 07	7	0.54	6	17.5	17.5
230	23 55 34.4	-10 05 22	6	0.17	8	17.5	17.4
231	23 54 03.4	-10 38 17	6	0.29	109	17.6	17.5
232	23 55 23.3	-10 30 21	7	0.55	102	17.6	17.7
233	23 54 08.9	-10 27 53	5	0.60	63	17.6	17.2
234	23 54 59.7	-10 42 06	6	0.20	57	17.6	17.5
235	23 55 21.6	-10 34 20	7	0.59	168	17.6	17.7
236	23 53 28.1	-10 00 28	7	0.74	76	17.6	17.6
237	23 54 32.8	-10 29 45	5	0.31	33	17.6	17.3
238	23 55 19.7	-10 08 43	6	0.53	92	17.6	17.5
239	23 52 39.8	-10 07 03	6	0.55	38	17.6	17.5
240	23 52 47.5	-10 31 05	6	0.41	157	17.6	17.5
241	23 54 53.7	-10 02 30	6	0.32	161	17.6	17.6
242	23 55 50.6	-10 14 23	6	0.48	86	17.6	17.5
243	23 55 18.0	-10 40 26	5	0.19	14	17.6	17.4
244	23 55 21.6	-10 05 39	6	0.33	83	17.6	17.5