1913phae.proj.2153C

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1913phae..proj.21530

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This book was examined for additional stars by A.M.C. Jan. 5, 1917

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1913phae.proj.2153C

Friday, May 16, 1913.

Time: 11.08 — I38 208 long disp. — 10 36 +25.0

No.	Int.	Class	Remark.
1	2	F0	E.
2	1	F0	E.
3	4	G5	E.
4	1	F0	E.
5	1	G	E.
6	5	F0	
7	4	F0	
8	4	F2	
9	5	F5	
10	2	G5	
11	3	A0	
12	4	B9	
13	3	G5	
14	3	A3	E.
15	2	F8	E.
16	1	G5	Partly superposed on 17.
17	5	A2	
18	3	A0	
19	1	G5	
20	10	A2	
21	2	F8	
22	1	F0	
23	1	F0	Partly superposed on 22.
24	2	F0	
25	1	F0	
26	2	F8	
27	2	G5	

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1913phae..proj..2153C

1	+22°	2217	10	19.4	+22	21.3	8.2	✓
2	+22°	2227	10	22.4	+22	17.9	8.5	✓
3	+21°	2202	10	22.2	+21	33.8	8.2	✓
4	+21°	2201	10	22.0	+21	25.2	8.6	✓
5	+21°	2204	10	22.4	+21	57.7	8.8	✓
6	+22°	2232	10	24.1	+22	46.1	7.0	✓
7	+22°	2236	10	26.5	+22	20.6	7.0	✓
8	+22°	2240	10	27.4	+22	8.1	7.5	✓
9	+21°	2210	10	26.0	+21	3.1	7.5	✓
10	+22°	2243	10	28.8	+22	21.0	8.5	✓
11	+22°	2247	10	30.1	+22	49.4	8.4	✓
12	+22°	2252	10	31.5	+22	56.7	7.9	✓
13	+22°	2251	10	31.4	+22	19.6	8.3	✓
14	+20°	2509	10	30.7	+20	22.5	7.9	✓
15	+19°	2363	10	32.2	+19	59.9	8.2	✓
16	+21°	2222	10	33.5	+21	6.3	8.6	✓
17	+21°	2223	10	33.6	+21	18.6	7.6	✓
18	+22°	2258	10	34.0	+22	56.0	8.2	✓
19	+22°	2262	10	35.5	+22	36.8	8.7	✓
20	+23°	2253	10	35.5	+23	57.2	5.5	✓
21	+25°	2293	10	37.2	+25	3.2	8.8	✓
22	+25°	2297	10	38.5	+25	19.5	8.5	✓
23	+25°	2298	10	38.6	+25	25.3	8.8	✓
24	+24°	2269	10	38.9	+24	54.6	8.5	✓
25	+24°	2265	10	37.5	+24	20.7	8.7	✓
26	+24°	2272	10	40.0	+24	6.0	8.5	✓
27	+25°	2299	10	39.9	+25	1.7	9.0	✓

Condo Grade 1

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Friday, May 16, 1913.

E 38208 long/disp

Tw.	Int.	Class	Remark
28	4	F5	
29	2	G0	
30	6	F5	
31	2	G5	
32	1	F0	
33	5	A3	
34	6	ma	
35	9	F0	
36	10+	A0	
37	6	K0	
38	2	G0	
39	2	F0	
40	1	G5	
41	1	G5	
42	4	K0	
43	3	K0	
44	2	G5	
45	3	G	E.
46	2	G5	E.
47	2	F0	E.
48	2	G0	E.
49	1	G0	E.
50	5	F0	
51	3	K2	
52	4	G5	
53	7	F0	
54	3	K0	

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28	+25°	2306	10	43.2	+25	12.8	8.3	✓
29	+26°	2136	10	42.3	+26	18.7	8.9	✓
30	+26°	2137	10	42.6	+26	25.3	7.7	✓
31	+26°	2139	10	43.2	+26	23.6	8.7	✓
32	+26°	2138	10	43.2	+26	44.2	9.1	✓
33	+26°	2144	10	44.8	+26	19.2	8.8	✓
34	+26°	2145	10	45.7	+26	58.3	7.0	✓
35	+26°	2147	10	46.8	+26	15.4	6.5	✓
36	+25°	2314	10	47.8	+25	32.7	4.0	✓
37	+26°	2152	10	48.7	+26	16.1	7.0	✓
38	+26°	2153	10	49.3	+26	3.0	8.6	✓
39	+26°	2156	10	50.1	+26	56.0	8.6	✓
40	+26°	1960	10	50.4	+27	9.8	8.5	✓
41	+26°	2159	10	50.9	+26	28.0	8.4	✓
42	+25°	2319	10	50.3	+25	8.7	7.7	✓
43	+26°	2161	10	51.8	+26	13.2	8.4	✓
44	+26°	2163	10	52.0	+26	4.2	8.6	✓
45	+27°	1968	10	53.1	+27	54.1	8.0	✓
46	+25°	2247	10	17.0	+25	20.8	8.0	✓
47	+23°	2227	10	19.2	+23	30.3	8.7	✓
48	+24°	2222	10	19.2	+24	8.4	8.8	✓
49	+24°	2226	10	20.5	+24	6.5	9.0	✓
50	+24°	2229	10	21.6	+24	43.5	8.0	✓
51	+24°	2234	10	23.2	+24	44.6	8.2	✓
52	+24°	2238	10	23.8	+24	50.4	7.7	✓
53	+25°	2260	10	24.3	+25	11.2	6.8	✓
54	+25°	2258	10	23.9	+25	28.0	7.8	✓

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1913phae.proj.21530

Friday, May 16, 1913.

I 38208 long disp.

No.	Int.	Class	Remark
55	4	K0	
56	4	F8	
57	6	A2	
58	3	F5	
59	2	G5	
60	1	G5	
61	1	F5	
62	3	G5	
63	3	F2	
64	3	K0	
65	2	K0	
66	4	K0	
67	2	K0	
68	2	G0	
69	10	A2	
70	2	K0	
71	3	G5	
72	5	G5	
73	2	F5	
74	1	K0	
75	5	K5	
76	1	K0	
77	2	K0	
78	8	F5	
79	5	F5	
80	3	K0	
81	1	K0	

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55	+25°	2263	10	25.3	+25	52.2	7.5	✓
56	+24°	2239	10	24.4	+24	3.5	8.0	✓
57	+24°	2244	10	25.8	+24	6.4	7.0	✓
58	+24°	2251	10	29.3	+24	12.1	7.7	✓
59	+25°	2271	10	29.4	+25	50.2	8.1	✓
60	+25°	2273	10	29.4	+25	19.6	9.1	✓
61	+26°	2106	10	30.0	+26	13.7	8.7	✓
62	+26°	2109	10	30.5	+26	39.8	8.4	✓
63	+26°	2110	10	31.0	+26	31.5	8.2	✓
64	+27°	1917	10	31.7	+27	23.6	8.1	✓
65	+26°	2113	10	32.1	+26	56.7	8.8	✓
66	+26°	2116	10	32.9	+26	27.4	7.5	✓
67	+26°	2120	10	33.9	+26	25.6	8.5	✓
68	+26°	2123	10	35.5	+26	30.8	8.9	✓
69	+27°	1927	10	35.1	+27	5.4	5.3	✓
70	+26°	2125	10	38.1	+26	19.5	8.4	✓
71	+26°	2128	10	38.4	+26	22.0	8.4	✓
72	+26°	2126	10	38.2	+26	31.9	8.2	✓
73	+26°	2130	10	39.2	+26	43.1	9.0	✓
74	+26°	2133	10	40.1	+26	13.1	8.8	✓
75	+27°	1936	10	39.4	+27	40.4	7.3	✓
76	+27°	1938	10	41.1	+27	34.6	8.5	✓
77	+27°	1942	10	42.5	+27	16.7	8.6	✓
78	+28°	1931	10	41.9	+28	44.9	6.3	✓
79	+28°	1945	10	44.9	+28	37.4	8.0	✓
80	+28°	1952	10	48.4	+28	30.2	8.3	✓
81	+28°	1937	10	43.8	+28	4.6	9.0	✓

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Friday, May 16, 1913.

I 38208 long disp.

No	Int.	Class	Remark
82	1	Jf	
83	1	F5	
84	1	g5	
85	2	F0	
86	2	F5	
87	5	F5	
88	2	K0	
89	2	K0	
90	1	K	
91	1	A2	
92	8	A2	
93	3	K5	Perhaps Hα.
94	2	F8	
95	1	g	
96	4	F8	
97	2	F5	
98	3	F8	
99	1	K2	
100	2	F8	E.
101	6	K0	
102	2	A2	
103	2	K0	
104	1	F5	
105	1	K	E.
106	2	K0	E.
107	2	g5	
108	1	g5	

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82	+28°	1935 ~~1535~~	10	42.9	+28	17.0	9.1	✓
83	+27°	1896	10	20.3	+27	1.6	8.9	✓
84	+26°	2095	10	21.0	+26	37.7	9.0	✓
85	+26°	2097	10	21.6	+26	54.8	8.8	magw. 9.2 +26° 2096 superposed
86	+27°	1901	10	24.7	+27	2.5	8.2	✓
87	+26°	2101	10	26.7	+26	54.9	7.3	✓
88	+26°	2104	10	28.8	+26	55.2	8.6	✓
89	+27°	1914	10	30.1	+27	21.3	8.4	✓
90	+27°	1916	10	30.9	+27	26.4	9.2	✓
91	+27°	1915	10	30.8	+27	57.9	9.1	✓
92	+28°	1916	10	32.3	+28	15.9	6.5	✓
93	+28°	1917	10	33.6	+28	5.2	8.0	✓
94	+27°	1923	10	33.5	+27	9.4	8.6	✓
95	+27°	1925	10	34.0	+27	47.0	8.8	✓
96	+28°	1923	10	35.9	+28	9.4	8.5	✓
97	+28°	1925	10	37.7	+28	43.5	8.5	✓
98	+29°	2087	10	35.5	+29	27.4	7.9	✓
99	+29°	2084	10	34.9	+29	34.4	8.0	✓
100	+29°	2083	10	34.3	+29	46.4	8.2	✓
101	+28°	1902	10	26.7	+28	43.5	6.8	✓
102	+28°	1907	10	28.1	+28	2.3	8.8	✓
103	+28°	1908	10	28.7	+28	32.4	8.4	✓
104	+28°	1914	10	32.2	+28	46.5	8.7	✓
105	+29°	2073	10	31.4	+29	30.3	8.1	✓
106	+29°	2078	10	33.1	+29	19.2	8.2	✓
107	+28°	1899	10	25.2	+28	32.1	8.2	✓
108	+27°	1929	10	35.9	+27	27.1	9.1	✓

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Friday, May 16, 1913.

I 38208 long disp.

No.	Int.	Class.	Remark
109	1	Lyo	
110	1	Lyc	
111	1	Ff	
112	1	Lyo	
113	1	Ff8	
Time: 11.25 114	1	Ik*	
115			
116			
117			

cmh. 134, 170

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109	+26°	2127	10	38.3	+26	45.3	9.0 ✓
110	+23°	2239	10	25.3	+23	34.6	8.8 ✓
111	+23°	2241	10	26.0	+23	33.3	8.6 ✓
112	+24°	2260	10	33.4	+24	43.7	8.7 ✓
113	+25°	2277	10	30.1	+25	45.1	9.0 ✓
114	+25°	2286	10	34.9	+25	54.3	8.8 ✓

Identified by M. C. W. June 6, 1913.
Checked by AMC. June 6, 1913
cards made out by M. C. W.

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1913phae.proj.2153C

Saturday, May 17, 1913.

Time: 10.24 B 39868 short dups.

No.	Int.	Class	Remarks
1	3	B	Focus very poor.
2	2	A0	
3	7	K0	
4	5	B8	
5	2	F5	
6	1	K2	
7	4	K0	
8	2	K5	
9	3	K2	
10	8	A2	
11	2	K2	
12	4	A0	
13	8	A2	
14	2	K5	
15	4	G5	
16	2	A2	
17	4	K0	
18	1	A0	
19	1	B9	
20	2	A2	
21	5	B9	
22	1	G5	
23	1	B8	
24	2	A0	Anedge of -54°2238 which is superposed is seen on prec. side and appears other of same class
25	4	B9	
26	7	K2	
27	2	A0	

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1913phae.proj.2153C

1	−55°	2028	9	10.2	−55	1.4	7.9	✓
2	−55°	2033	9	10.3	−55	9.7	8.2	✓
3	−55°	2035	9	10.6	−55	3.2	7.1	✓
4	−55°	2037	9	11.1	−55	7.3	7.3	✓
5	−55°	2049	9	12.3	−55	2.2	8.2	✓
6	−55°	2051	9	12.7	−55	7.4	8.8	✓
7	−55°	2059	9	13.8	−55	24.7	8.1	✓
8	−55°	2044	9	11.9	−55	44.4	8.5	✓
9	−55°	2076	9	15.2	−55	31.9	8.6	✓
10	−55°	2080	9	15.5	−55	50.3	7.4	✓
11	−55°	2099	9	16.9	−55	57.2	8.6	✓
12	−55°	2102	9	17.1	−55	16.8	8.0	✓
13	−54°	2213	9	18.0	−54	59.1	6.3	✓
14	−54°	2209	9	17.6	−54	52.2	8.7	✓
15	−55°	2118	9	18.5	−55	25.6	8.2	✓ −55° 2119 superposed. magn. 7.3
16	−55°	2123	9	18.7	−55	41.8	8.6	✓
17	−56°	2115	9	18.0	−56	22.2	7.9	✓
18	−55°	2125	9	19.0	−55	7.0	8.8	✓
19	−55°	2126	9	19.1	−55	12.1	8.8	✓
20	−55°	2138	9	19.6	−55	18.9	8.7	✓
21	−55°	2148 (4)	9	20.2	−55	13.9	8.2	✓
22	−54°	2232	9	19.3	−54	31.9	8.8	✓
23	−54°	2235	9	19.4	−54	29.6	8.8	✓
24	−54°	2239 (9) ~~2238~~	9	19.7	−54	21.4 ~~21.3~~ 21.4	9.0 ~~8.8~~ 9.0	✓ Light thru −54° 2239 ~~−54° 2239 superposed.~~ With −54° 2238 superposed ? Yes 9/K.
25	−54°	2245	9	20.0	−54	18.1	8.4	✓
26	−53°	2388	9	21.4	−53	56.5	8.0	✓
27	−53°	2391	9	21.6	−53	38.3	8.6	✓

cards made out.

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1913phae.proj.2153C

Saturday, May 17, 1913.

B337 868 short disps

No.	Int.	Class	Remark
28	4	A2	
29	8	K5	
30	7	K5	Another star superposed at south.
31	1	K5	
32	5	B8	
33	4	F8	
34	8	F2	
35	1	K0	
36	3	B9	
37	2	B9	
38	2	K0	
39	6	B8	
40	6	B9	
41	4	B8	
42	2	B8	Another star superposed on Pl. side.
43	3	B6	
44	3	B8	
45	6	A0	
46	1	A0	
47	1	A2	
48	4	B9	
49	5	B9	
50	8	K5	
51	3	Ma	
53	2	A2	
53	3	A2	
54	6	B8	

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1913phae.proj.2153C

28	−53°	2406	9	22.2	−53	49.8	8.4	✓	
29	−53°	2423	9	22.9	−53	48.7	7.6	✓	magn. 9.0
30	−53°	2401	9	21.9	−53	17.9	7.8	✓	−53° 2397 superposed.
31	−53°	2420	9	22.7	−53	19.9	9.4	✓	
32	−53°	2433	9	23.3	−53	25.5	7.9	✓	
33	−53°	2457	9	24.2	−53	22.4	8.1	✓	
34	−52°	2387	9	23.9	−52	58.3	7.6	✓	
35	−52°	2393	9	24.5	−52	51.8	9.0	✓	
36	−52°	2406	9	25.5	−52	53.8	8.5	✓	
37	−53°	2473	9	25.0	−53	8.2	8.8	✓	
38	−52°	2440	9	26.6	−52	58.5	8.3	✓	
39	−52°	2475	9	27.9	−52	59.4	7.8	✓	
40	−53°	2513	9	27.3	−53	14.8	7.8	✓	
41	−52°	2489	9	28.5	−52	48.9	8.3	✓	
42	−52°	2512	9	29.1	−52	54.1	8.7	✓	magn. 9.2 −52° 2515 superposed
43	−53°	2571	9	29.8	−53	4.8	8.0	✓	
44	−52	2520	9	29.5	−52	47.4	8.5	✓	
45	−52°	2508	9	29.1	−52	16.6	8.0	✓	
46	−52°	2535	9	29.9	−52	30.3	9.1	✓	
47	−52°	2555	9	30.4	−52	12.2	9.0	✓	
48	−52°	2590	9	31.6	−52	33.0	8.6	✓	
49	−52°	2599	9	32.0	−52	39.3	8.1	✓	
50	−52°	2612	9	32.6	−52	23.2	8.1	✓	
51	−51°	3979	9	32.0	−51	59.1	8.1	✓	
52	−51°	3985	9	32.3	−51	58.6	9.4	✓	
53	−51°	3992	9	32.5	−51	54.0	9.2	✓	
54	−52°	2645	9	34.0	−52	7.8	8.1	✓	

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1913phae.proj.2153C

Saturday, May 17, 1913.

B 39868 short exp.

No.	Int.	Class	Remark
55	4	F2	
56	2	A2	
57	5	A0	
58	7	B5	
59	5	A3	
60	2	A2	
61	1	A2	
62	2	F2	
63	10	A2	
64	3	A0	
65	3	B0	
66	1	K0	
67	3	K5	
68	2	Ma	
69	3	Ma	
70	3	A0	
71	2	B8	
72	5	B8	
73	8	A0	
74	5	A0	
75	1	A	
76	1	G5	
77	2	K2	
78	2	A0	
79	2	F0.	
80	1	A	
81	3	A2	

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1913phae.proj.2153C

55	-52°	2663	9	35.1	-52	22.7	8.4	✓
56	-52°	2673	9	35.6	-52	27.6	8.9	✓
57	-52°	2680	9	35.9	-52	27.5	8.2	✓
58	-52°	2669	9	35.4	-52	41.6	7.7	✓
59	-52°	2678	9	35.8	-52	49.1	8.2	✓
60	-52°	2681	9	35.9	-52	42.1	9.0	✓
61	-52°	2698	9	36.8	-52	43.3	8.9	✓
62	-52°	2657	9	34.6	-52	52.9	8.8	✓
63	-53°	2646	9	33.0	-53	6.5	6.2	✓
64	-53°	2650	9	33.4	-53	11.5	8.6	✓
65	-53°	2656	9	33.7	-53	7.1	8.6	✓
66	-53°	2667	9	34.0	-53	1.8	9.5	✓
67	-53°	2537	9	28.4	-53	42.1	8.9	✓
68	-53°	2544	9	28.7	-53	29.4	8.9	✓
69	-53°	2566	9	29.7	-53	29.0	8.9	✓
70	-53°	2592	9	30.5	-53	30.9	8.7	✓
71	-53°	2611	9	31.2	-53	42.8	8.8	✓
72	-53°	2616	9	31.7	-53	36.7	7.8	✓
73	-54°	2417	9	28.7	-54	16.6	7.6	✓
74	-54°	2423	9	28.8	-54	2.6	7.8	✓
75	-53°	2548	9	28.8	-53	54.1	9.2	✓
76	-54°	2445	9	30.1	-54	1.9	9.6	✓
77	-54°	2460	9	31.0	-54	2.8	9.2	✓
78	-54°	2477	9	31.8	-54	7.4	9.4	✓
79	-54°	2505	9	33.3	-54	16.2	8.9	✓
80	-54°	2511	9	33.5	-54	22.6	8.9	✓
81	-54°	2525	9	34.1	-54	31.3	8.4	✓

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1913phae.proj.2153C

Saturday, May 17, 1913.

B339 868 short disps.

No.	Int.	Class	Remarks
82	8	B9	
83	2	g5	
84	4	B9	
85	10	B8	
86	5	B3	
87	3	K0	
88	1	K	
89	4	B8	
90	3	B9	
91	2	K2	
92	2	B8	
93	1	K2	
94	2	B8	
95	6	B8	
96	6	A0	
97	5	B8	
98	4	Ma	
99	2	g5	
100	3	g5	
101	1	A0	
102	2	A0	
103	3	K0	
104	5	F5	
105	1	A	
106	1	A	
107	2	F2	
108	1	A	

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1913phae.proj.2153C

82	-53°	2664	9	33.9	-53	39.3	7.0	✓
83	-53°	2679	9	34.7	-53	45.7	8.8	✓
84	-52°	2727	9	38.3	-52	59.5	8.6	✓
85	-53°	2788	9	39.5	-53	19.1	6.0	✓
86	-53°	2806	9	39.8	-53	10.3	8.0	✓
87	-53°	2429	9	23.3	-53	46.0	9.0	✓
88	-53°	2439	9	23.5	-53	55.1	9.5	✓
89	-54°	2320	9	24.0	-54	1.6	8.6	✓
90	-53°	2471	9	24.9	-53	57.0	8.6	✓
91	-53°	2489	9	25.8	-53	53.0	9.0	✓
92	-54°	2371	9	26.6	-54	3.0	8.9	✓
93	-54°	2334	9	24.8	-54	19.0	9.4	✓
94	-54°	2340	9	25.0	-54	14.0	9.0	✓
95	-54°	2343	9	25.3	-54	15.0	7.8	✓
96	-54°	2349	9	25.6	-54	10.6	8.0	✓
97	-54°	2363	9	26.2	-54	23.4	8.1	✓
98	-54°	2368	9	26.5	-54	41.0	8.4	✓
99	-55°	2244	9	27.0	-55	5.3	8.6	✓
100	-55°	2249	9	27.3	-55	1.1	8.7	✓
101	-54°	2419	9	28.7	-54	39.0	9.2	✓
102	-54°	2431	9	29.2	-54	42.5	9.0	✓
103	-54°	2448	9	30.5	-54	48.8	8.8	✓
104	-55°	2277	9	28.3	-55	27.1	8.2	✓
105	-54°	2244	9	20.0	-54	52.8	9.1	✓
106	-54°	2251	9	20.4	-54	41.2	9.4	✓
107	-54°	2262	9	21.0	-54	34.1	9.0	✓
108	-54°	2268	9	21.2	-54	31.7	9.2	✓

cards made out

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1913phae.proj.2153C

Saturday, May 17, 1913.
T3 9868 short disp.

No.	Int.	Class	Remark
109	6	T3	
110	4	J0	
111	7	T3	
112	3	A0	
113	2	B8	
114	5	A2	
115	3	A0	
116	7	T5	
117	2	A2	
118	2	A0	
119	7	T8	
120	3	J0	
121	2	A0	
122	6	A2	
123	3	A2	
124	3	F5	
125	10	J0	Burned out.
126	6	T8	
127	6	B5	
128	4	A0	
129	1	A0	
130	3	A2	
131	1	J0	
132	1	B8	
133	1	J0	
134	2	A2	
135	1	J5	

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1913phae.proj.2153c

109	-54°	2275	9	21.5	-54	24.2	8.0	✓
110	-54°	2277	9	21.7	-54	28.0	8.3	✓
111	-54°	2290	9	22.5	-54	19.9	7.4	✓
112	-54°	2294	9	22.9	-54	15.4	8.4	✓
113	-54°	2280	9	21.9	-54	44.8	8.6	✓
114	-54°	2302	9	23.2	-54	49.6	8.4	✓
115	-54°	2304	9	23.5	-54	42.5	8.6	✓
116	-54°	2321	9	24.0	-54	47.5	7.4	✓
117	-55°	2148	9	20.7	-55	16.3	8.6	✓
118	-55°	2161	9	22.0	-55	17.7	9.0	✓
119	-55°	2163	9	22.2	-55	32.9	7.7	✓
120	-55°	2175 6 ~~2176~~	9	22.9	-55	25.0 ~~23.6~~	8.8	✓
121	-55°	2222	9	26.0	-55	28.8	8.9	✓
122	-55°	2218	9	25.7	-55	59.5	7.8	✓
123	-56°	2255	9	26.6	-56	10.7	8.6	✓
124	-55°	2256	9	27.5	-55	52.7	8.6	✓
125	-56°	2270	9	27.4	-56	28.9	5.9	✓
126	-56°	2270.82	9	28.1 ~~27.4~~	-56	26.2 ~~28.9~~	7.4 ~~5.9~~	✓
127	-56°	2300	9	29.0	-56	32.3	7.4	✓
128	-56°	2296	9	28.8	-56	58.2	7.5	✓
129	-56°	2128	9	29.9	-57	8.8	8.8	✓
130	-56°	2330	9	30.5	-56	17.1	8.6	✓
131	-55°	2361	9	33.8	-55	2.6	9.5	✓
132	-54°	2516	9	33.8	-54	56.1	9.2	✓
133	-54°	2544	9	35.0	-54	54.9	9.4	✓
134	-54°	2548	9	35.2	-54	49.1	9.4	✓
135	-55°	2428	9	37.3	-55	30.1	9.4	✓

120 -55° ~~2175~~ 6 magn. 8.9 superposed

Cards made out.

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1913phae.proj.2153C

Saturday, May 17, 1913.
B3g868 short exp.

No.	Int.	Class	Remark
136	4	Ao	
137	4	A	another star superposed?
138	1	K5	
139	6	B9	
140	7	K0	
141	1	K0	
142	2	K5	
143	2	B9	
144	10	B3	
145	2	K0	
146	1	A	
147	3	K0	
148	3	B9	
149	4	G5	
150	4	G0	
151	1	A2	
152	1	K	
153	5	F5	
154	6	G5	
155	4	A0	
156	2	K0	
157	3	A0	
158	4	F5	
159	7	F2	
160	4	B8	
161	2	A0	
162	7	F0	

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1913phae.proj.2153c

136	−54°	2106	9	9.9	−54	40.9	8.4	✓
137	−54°	2130	9	11.8	−54	26.7	8.4	✓ mags. 8.7 −54° 2131 superposed
138	−54°	2141	9	12.7	−54	11.0	8.8	✓
139	−54°	2146	9	12.8	−54	8.0	8.0	✓
140	−53°	2279 (81)	9	13.7 (.8)	−53	59.7 (58.3)	8.8 (.0)	✓
141	−54°	2163	9	14.5	−54	18.0	9.0	✓
142	−53°	2304	9	15.6	−53	51.4	8.6	✓
143	−54°	2188	9	15.9	−54	13.3	8.6	✓
144	−54°	2186	9	15.7	−54	39.5	6.4	✓
145	−54°	2192	9	16.3	−54	43.4	8.6	✓
146	−54°	2198	9	16.9	−54	49.7	8.8	✓
147	−54°	2201	9	17.2	−54	6.9	8.4	✓
148	−54°	2210	9	17.7	−54	9.9	8.8	✓
149	−54°	2218	9	18.1	−54	1.0	8.5	✓
150	−53°	2345	9	18.4	−53	56.1	8.4	✓
151	−53°	2323	9	17.0	−53	34.4	8.8	✓
152	−53°	2334	9	17.8	−53	30.4	9.0	✓
153	−53°	2347	9	18.5	−53	12.2	8.0	✓
154	−53°	2356	9	19.1	−53	17.1	7.8	✓
155	−52°	2273	9	18.6	−52	54.0	8.4	✓
156	−53°	2355	9	19.1	−53	4.9	8.7	✓
157	−52°	2298	9	19.8	−52	52.1	8.6	✓
	~~−53°~~	~~2323~~	~~9~~	~~17.0~~	~~−53~~	~~34.4~~	~~8.8~~	
158	−52°	2296	9	19.7	−52	44.0	8.2	✓
159	−52°	2279	9	19.1	−52	21.0	8.0	✓
160	−52°	2281	9	19.2	−52	12.6	8.4	✓
161	−52°	2277	9	18.8	−52	8.6	8.9	✓
162	−51°	3764	9	19.6	−51	53.8	8.0	✓

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Saturday, May 17, 1913.

B 39868 Short disp.

No	Int.	Class	Remarks
163	3	Ma	
164	3	A3	
165	4	A2	
166	6	G5	
167	1	G5	
168	5	B8	
169	3	A3	
170	4	A0	
171	1	K0	
172	2	K5	
173	5	A0	
174	3	K2	
175	5	B8	
176	7	B5	
177	9	F5	
178	3	A0	
179	2	A5	
180	1	G5	
181	2	F8	
182	1	Ma	
183	2	B9	
184	6	A2	
185	2	A0	
186	7	B9	
187	4	A2	
188	3	F0	
189	6	B8	

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1913phae.proj.2153c

163	-52°	2262	9	17.9	-52	2.0	8.8	✓
164	-52°	2244	9	16.4	-52	0.7	8.6	✓
165	-52°	2242	9	16.2	-52	35.3	8.5	✓
166	-52°	2248	9	16.7	-52	43.4	7.9	✓
167	-52°	2254	9	17.4	-52	35.7	9.2	✓
168	-53°	2293	9	14.8	-53	5.1	8.1	✓
169	-53°	2306	9	15.7	-53	12.1	8.2	✓
170	-53°	2272	9	12.8	-53	25.6	8.2	✓
171	-53°	2270	9	12.7	-53	21.3	8.8	✓
172	-51°	3727	9	17.4	-51	27.6	9.0	✓
173	-51°	3744	9	18.4	-51	35.7	9.1	✓
174	-51°	3747	9	18.7	-51	36.0	8.9	✓
175	-51°	3753	9	18.9	-51	22.2	9.1	✓
176	-51°	3757	9	19.1	-51	15.9	8.6	✓
177	-51°	3764	9	19.8	-51	12.0 ~~5.8~~	6.6 ~~8.0~~	✓
178	-51°	3771	9	20.1	-51	7.7	9.5	✓
179	-51°	3785	4	20.8	-51	~~19.7~~	9.5 ~~8.7~~	✓
180	-51°	3787	9	20.9	-51	17.9	9.3	✓
181	-51°	3790	9	21.1	-51	26.0	9.2	✓
182	-51°	3793	9	21.2	-51	7.9	8.9	✓
183	-51°	3795	9	21.2	-51	5.9	9.6	✓
184	-51°	3809	9	22.0	-51	25.3	8.8	✓
185	-51°	3817	9	22.3	-51	15.9	9.7	✓
186	-51°	3824	9	22.6	-51	13.8	8.6	✓
187	-51°	3832	9	22.9	-51	14.6	9.3	✓
188	-50°	4148	9	22.3	-50	56.9	9.2	✓
	~~-52~~	~~2865~~	~~9~~	~~22.6~~	~~-52~~	~~49.7~~	~~9.2~~	
189	-50°	4147	9	22.2	-50	37.8	8.2	✓

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1913phae.proj.2153C

Saturday, May 17, 1913.

B 39868 short disp.

No.	Int	Class	Remark
190	4	A2	
191	1	A2	Partly superposed on 190.
192	4	A2	
193	1	K5	
194	3	B8	
195	4	F0	
195a	7	F8	
196	2	B9	
197	2	Neb	
198	1	K2	
199	1	K5	
10.56	206	3	A5
May 19. 1913			
10.17	201	2	A3
	202	7	V38
	203	5	V38
	204	3	F0
	205	2	A5 Partly superposed on 204.
	206	2	F5 Another star superposed? Omit. Ai cluster.
	207	2	A0
	208	2	A2
	209	1	A2
	210	3	F2
	211	1	A2
	212	1	A0
	213	2	K2
	214	8	F0
	215	4	F5
	216	7	A0

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1913phae.proj.21530

190	-51°	3791	9	21.1	-51	53.4	9.0	✓
191	-51°	3794	9	21.2	-51	51.6	9.6	✓
192	-52°	2320	9	20.6	-52	28.3	8.4	✓
193	-52°	2319	9	20.6	-52	37.4	9.2	✓
194	-52°	2330	9	20.9	-52	52.4	8.6	✓
195	-53°	2396	9	21.8	-53	6.0	8.6	✓1
195a	-52°	2346	9	21.5	-52	42.5	7.6	✓1
196	-53°	2404	9	22.1	-53	4.0	8.9	✓
197	-52°	2368	9	22.7	-52	58.4	8.5	✓
198	-52°	2365	9	22.6	-52	49.7	9.2	✓
199	-52°	2379	9	23.4	-52	53.2	9.0	✓
200	-52°	2386	9	23.8	-52	46.0	9.1	✓
201	-52°	2396	9	24.9	-52	30.6	8.7	✓
202	-51°	3865	9	25.1	-51	52.7	7.7	✓
203	-51°	3880	9	26.1	-51	45.6	8.8	✓
204	-52°	2418 ~~2423~~	9	26.0 ~~26.1~~	-52 ~~-52~~	10.6 ~~9.1~~	8.8 ~~9.5~~	✓ ~~-52° 2448 superposed.~~
205	-52°	2415	9	25.9	-52	15.1	8.8	✓
206	~~-52°~~	~~2433~~	~~9~~	~~26.5~~	~~-52~~	~~23.5~~	~~8.9~~	~~a wonderful one.~~
207	-52°	2467	9	27.4	-52	34.1	8.9	✓
208	-52°	2449	9	26.8	-52	43.7	9.2	✓
209	-51°	3901	9	27.4	-51	56.2	9.7	✓
210	-51°	3927	9	29.0	-51	45.9	9.2	✓
211	-52°	2494	9	28.7	-52	16.5	9.2	✓
212	-52°		9	28.1	-52	12.7	9.4	✓ -52° 2448 9.5 -52° 14.3 Mag 4-9.5 9 28.1 -52° superposed.
213	-51°	3954	9	30.5	-51	36.2	9.1	✓
214	-51°	3953	9	30.5	-51	28.0	8.0	✓
215	-51°	3956	9	30.7	-51	20.7	9.1	✓
216	-51°	3977	9	31.8	-51	11.4	8.5	✓

Smith.

page 24 Book 70 is the N. of 2, with the 2 superposed.

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1913phae.proj.2153C

190	-51°	3791	9	21.1	-51	53.4	9.0	✓
191	-51°	3794	9	21.2	-51	51.6	9.6	✓
192	-52°	2320	9	20.6	-52	28.3	8.4	✓
193	-52°	2319	9	20.6	-52	37.4	9.2	✓
194	-52°	2330	9	20.9	-52	52.4	8.6	✓
195	-53°	2396	9	21.8	-53	6.0	8.6	✓
195a	-52°	2846	9	21.5	-52	42.5	7.6	✓
196	-53°	2404	9	22.1	-53	4.0	8.9	✓
197	-52°	2368	9	22.7	-52	58.4	8.5	✓
198	-52°	2365	9	22.6	-52	49.7	9.2	✓
199	-52°	2379	9	23.4	-52	53.2	9.0	✓
200	-52°	2386	9	23.8	-52	46.0	9.1	✓
201	-52°	2396	9	24.9	-52	30.6	8.7	✓
202	-51°	3865	9	25.1	-51	52.7	7.7	✓
203	-51°	3880	9	26.1	-51	45.6	8.8	✓
		2418	9	26.0	-52	10.6	8.8	✓
204	-52°	2423	9	26.1	-52	9.1	9.5	-52° 2418 superposed.
205	-52°	2415	9	25.9	-52	15.1	8.8	✓
Omit. 206	-52°	2093	9	26.5	-52	23.5	8.9	a wood photo.
207	-52°	2467	9	27.4	-52	34.1	8.9	✓
208	-52°	2449	9	26.8	-52	43.7	9.2	✓
209	-51°	3901	9	27.4	-51	56.2	9.7	✓
210	-51°	3927	9	29.0	-51	45.9	9.2	✓
211	-52°	2494	9	28.7	-52	16.5	9.2	✓
212	-52°	2479	9	28.1	-52	12.7	9.4	✓ -52° 2478 -52° 14.3 Mag 9.5 9 28.1 superposed.
213	-51°	3954	9	30.5	-51	36.2	9.1	✓
214	-51°	3953	9	30.5	-51	28.0	8.0	✓
215	-51°	3956	9	30.7	-51	20.7	9.1	✓
216	-51°	3977	9	31.8	-51	11.4	8.5	✓

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1913phae.proj.2153C

Tuesday, May 19, 1913.

B 3986 8 short disp.

No.	Int.	Class	Remark
217	8	F0	
218	2	A3	
219	5	A2	
220	3	A0	
221	3	A2	
222	3	K0	
223	8	A2	
224	1	A0	
225	1	A2	
226	4	A2	
227	4	A3	
228	1	K5	
229	2	A3	
230	2	A0	
231	3	A3	
232	2	A0	
233	3	A2	
234	1	A0	
235	2	A0	
236	6	A2	
237	1	K5	
238	3	A3	
239	7	A2	
240	4	F5	
241	3	A0	
242	1	K5	
243	2	A2	

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1913phae.proj.21536

217	-50°	4299	9	32.0	-50	57.2	7.6	✓
218	-51°	4000	9	32.8	-51	2.2	9.6	✓
219	-50°	4320	9	33.1	-50	54.0	9.0	✓
220	-50°	4317	9	32.9	-50	32.0	9.4	✓
221	-50°	4339	9	34.1	-50	14.3	9.3	✓
222	-50°	4353	9	34.6	-50	16.7	8.5	✓
223	-49°	4562	9	34.4	-49	56.9	7.8	✓
224	-50°	4338	9	34.0	-50	28.0	9.5	✓
225	-50°	4335	9	33.8	-50	34.2	9.2	✓
226	-50°	4367	9	35.4	-50	55.6	8.9	✓
227	-51°	4031	9	34.6	-51	3.4	9.3	✓
228	-50°	4345	9	34.4	-50	59.4	9.1	✓
229	-50°	4328	9	33.5	-50	59.1	9.7	✓
230	-51°	3994	9	32.6	-51	30.8	9.9	✓
231	-51°	4009	9	33.4	-51	39.6	9.5	✓
232	-51°	4025	9	34.1	-51	47.8	9.5	✓
233	-51°	4028	9	34.4	-51	54.4	9.4	✓
234	-51°	4053	9	36.0	-51	35.4	9.5	✓
235	-51°	4061	9	36.4	-51	43.6	9.4	✓
236	-51°	4075	9	37.2	-51	58.3	8.1	✓
237	-51°	4089	9	38.2	-51	45.3	8.8	✓
238	-51°	4070	9	37.0	-51	18.1	9.4	✓
239	-51°	4068	9	36.9	-51	4.0	8.0	✓
240	-50°	4391	9	36.8	-50	35.3	8.6	✓
241	-50°	4365	9	35.3	-50	20.8	9.3	✓
242	-50°	4389	9	36.8	-50	21.9	8.8	✓
243	-50°	4410	9	38.2	-50	10.0	9.4	✓

cards made out

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1913phae.proj.2153C

Monday, May 19, 1913.
B 39868 short exp.

No.	Int	Class	Remark
244	5	Ao	
245	9	B5	
246	2	g5	
247	4	B3	
248	2	Ao	
249	1	A	
250	2	g5	
251	4	B9	
252	3	Ao	
253	2	go	
254	1	go	
255	2	A2	
256	2	Ao	
257	4	B9	
258	2	Ao	
259	6	F2	
260	3	B9	
261	3	F0	
262	2	F0	
263	3	F0	
264	1	A2	
265	1	A2	
266	7	F0	
267	10	B8	
268	2	F5	
269	9	B8	
270	10	B5	

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1913phae.proj.2153c

244	-50°	4405	9	38.0	-50	35.6	8.9	✓
245	-50°	4420	9	39.0	-50	39.4	6.8	✓
246	-50°	4425	9	39.1	-50	57.4	9.0	✓
247	-50°	4432	9	39.6	-50	47.6	8.0	✓
248	-50°	4433	9	39.8	-50	55.7	9.4	✓
249	-50°	4434	9	39.8	-50	43.9	9.3	✓
250	-50°	4438	9	40.0	-50	40.7	9.1	✓
251	-51°	4126	9	40.2	-51	13.0	9.4	✓
252	-51°	4108	9	39.3	-51	34.1	9.5	✓
253	-51°	4094	9	38.5	-51	28.1	9.5	✓
254	-51°	4096	9	38.5	-51	35.5	9.5	✓
255	-51°	4104	9	39.0	-51	22.0	9.2	✓
256	-51°	4119	9	40.0	-51	40.7	9.5	✓
257	-51°	4125	9	40.2	-51	42.0	9.1	✓
258	-51°	4130	9	40.7	-51	47.0	9.4	✓
259	-51°	4140	9	41.3	-51	42.5	7.8	✓
260	-51°	4162	9	42.4	-51	40.0	9.2	✓
261	-51°	4167	9	42.5	-51	19.9	9.2	✓
262	-51°	4146	9	41.5	-51	8.6	9.4	✓
263	-52°	2734	9	38.7	-52	32.0	8.8	✓
264	-52°	2733	9	38.7	-52	25.8	9.2	✓
265	-52°	2730	9	38.5	-52	23.1	9.2	✓
266	-53°	2745	9	37.7	-53	38.8	8.2	✓
267	-54°	2554	9	35.3	-54	11.2	7.2	✓
268	-54°	2565	9	35.8	-54	13.0	9.0	✓
269	-54°	2569	9	36.8	-54	24.9	7.4	✓
270	-54°	2594	9	37.7	-54	38.6	6.3	✓

Cards marked out

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1913phae.proj.2153C

Monday. May 19, 1913.

B 39868 short disp

No.	Int.	Class	Remark
271	3	B9	
272	3	A2	
273	3	F2	
274	2	A2	
275	5	B9	Austin star superposed at south.
276	1	F5	
277	10	B5	
278	4	A0	
279	6	A5	
280	2	A2	
281	2	F0	
282	3	A0	
283	1	F5	
284	2	G0	
285	10+	B	Burned out.
286	3	A0	
287	5	A0	
288	5	A0	
289	7	B5	
290	1	F0	Austin star superposed at south.
291	7	F0	
292	6	F0	E.
293	5	B9	
294	5	A2	E.
295	8	B	
296	3	F0	
297	3	A2	

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1913phae.proj.21536

271	-54°	2607	9	38.3	-54	44.8	9.0	✓
272	-50°	4440	9	40.1	-50	15.2	8.8	✓
273	-50°	4481	9	41.5	-50	17.6	8.3	✓
274	-52°	2354	9	22.1	-52	19.4	9.0	✓
275	-51°	3830	9	22.9	-51	55.3	8.6	✓ -51° 3828 superposed.
276	-51°	3874	9	26.0	-51	28.9	9.2	✓
277	-50°	4204	9	25.8	-50	58.2	5.9	✓
278	-50°	4223	9	27.0	-50	47.8	9.4	✓
279	-50°	4230	9	27.3	-50	42.0	8.4	✓
x		4251	9	28.5	-50	51.4	9.4	-50° 4249 9 partly superposed
280	-50°	~~4249~~	9	~~27.4~~	-50	~~52.6~~	~~9.3~~	✓
281	-51°	3902	9	27.4	-51	23.4	9.0	✓
282	-51°	3921	9	28.6	-51	19.7	9.4	✓
283	-51°	3929	9	29.1	-51	35.2	9.4	✓
284	-51°	3935	9	29.3	-51	32.4	9.4	✓
285	-50°	4270	9	29.8	-50	42.0	5.4	✓
286	-50°	4242	9	28.1	-50	24.6	9.6	✓
	-50°	4271	9	29.9	-50	2.8	8.9	
287	~~-51°~~	~~3902~~	~~9~~	~~27.4~~	~~-51~~	~~23.4~~	~~9.0~~	✓
288	-49°	4514	9	30.3	-49	51.5	9.2	✓
289	-50°	4276	9	30.4	-50	0.3	8.5	✓
290	-50°	4278	9	30.6	-50	2.0	9.2	✓
291	-50°	4197	9	25.3	-50	3.6	7.3	✓
292	-49°	4417	9	24.0	-49	6.5	7.2	✓
293	-49°	4485	9	28.4	-48	27.0	8.6	✓
294	-48°	4764	9	26.4	-48	52.2	8.0	✓
295	-51°	3693	9	14.6	-51	1.9	6.3	✓
296	-51°	3686	9	13.8	-51	26.9	9.1	✓
297	-50°	4055	9	17.3	-50	52.5	8.4	✓

Cards made out.

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1913phae.proj.2153C

Monday, May 19, 1913.

13 39 868 short disp.

	No.	Int.	Class	Remark
	298	1	Ao	
	299	2	Ao	
10,41	300	3	Fo	

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1913phae.proj.2153C

298	-50°	4056	9	17.4	-50	32.9	9.5	✓
299	-50°	4087	9	18.9	-50	2.2	9.0	✓
300	-49°	4384	9	20.7	-49	44.7	8.2	✓

Identified by J. C. M. July 14, 1913.
Checked by A.M.C. Sept. 9.1913
Cards made out by G.R.B.
Cards checked by A.M.C.

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1913phae.proj.2153C

Monday, May 19, 1913.

Time 11.54

B 3993 1 short disp.

No.	Int.	Class	Remark
1	3	A2	
2	3	A0	
3	5	B9	
4	3	K0	
5	4	A0	
6	2	A2	
7	2	A0	
8	1	K5	
9	8	F2	
10	2	A2	
11	3	A2	
12	20	A0	
13	1	K0	
14	1	A	Another star superposed?
15	7	F2	
16	2	F5	
17	2	A0	
18	3	G5	
19	1	G5	
20	4	G5	
21	1	A0	
22	3	F0	
23	4	A2	
24	2	F0	
25	2	G5	
26	2	A0	
27	2	K0	

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1913phae.proj.2153C

1	−50°	4055	9	17.3	−50	52.5	8.4	∧ ✓
2	−50°	4087	9	18.9	−50	2.2	9.0	∧ ✓
3	−49°	4352	9	18.2	−49	42.1	8.0	∧ ✓
4	−49°	4384	9	20.7	−49	44.7	8.2	∧ ✓ −49° 4382 10.0 on par/00 axes.
5	−49°	4402	9	22.3	−49	45.6	8.9	∧ ✓
6	−50°	4160	9	22.9	−50	4.3	9.5	∧ ✓
7	−50°	4170	9	23.4	−50	11.0	9.5	∧ ✓
8	−50°	4195	9	25.2	−50	5.9	9.3	∧ ✓
9	−50°	4197	9	25.3	−50	3.6	7.3	∧ ✓
10	−49°	4429	9	25.1	−49	52.6	9.4	∧ ✓
11	−49°	4433	9	25.2	−49	46.4	9.2	∧ ✓
12	−50°	4205	9	25.9	−50	6.4	9.7	∧ ✓
13	−49°	4444	9	26.0	−49	45.7	9.3	∧ ✓
14	−49°	4441	9	25.8	−49	41.5	9.5	∧ ✓
15	−49°	4417	9	24.0	−49	6.5	7.2	∧ ✓
16	−48°	4730	9	24.0	−48	56.5	9.4	∧ ✓
17	−48°	4734	9	24.3	−48	58.1	9.4	∧ ✓
18	−48°	4723	9	23.8	−48	34.8	8.6	∧ ✓
19	−48°	4728	9	24.0	−48	39.2	9.2	∧ ✓
20	−48°	4748	9	25.1	−48	10.0	7.6	∧ ✓
21	−48°	4749	9	25.2	−48	3.2	9.5	∧ ✓
22	−47°	4971	9	24.2	−47	55.8	8.8	∧ ✓
23	−47°	4976	9	24.6	−47	44.4	8.5	∧ ✓
24	−47°	4973	9	24.3	−47	39.0	9.4	∧ ✓
25	−47°	4996	9	26.0	−47	3.4	8.8	∧ ✓
26	−46°	5237	9	26.3	−46	42.4	9.2	∧ ✓
27	−46°	5238	9	26.4	−46	49.2	8.7	∧ ✓

cards made out.

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1913phae.proj.2153C

Monday, May 19, 1913.

B3992, short arcs

No.	Int.	Class	Remark
28	3	A0	
29	1	F8	
30	3	A3	
31	6	F0	
32	1	G0	
33	4	A0	Another star superposed on fol. edge.
34	1	G5	
35	9	F0	
36	5	K0	
37	2	A0	
38	2	A2	
39	3	K0	
40	1	A2	
41	6	A0	
42	1	F5	
43	2	F8	
44	4	A0	
45	6	F0	
46	3	F0	
47	3	A2	
48	2	A2	
49	5	B9	
50	8	F0	
51	4	A0	
52	4	F8	
53	6	F0	
54	6	B9	

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1913phae.proj.2153C

28	-46°	5251	9	27.1	-46	42.9	9.1	1 ✓
29	-46°	5252	9	27.2	-46	56.1	9.2	1 ✓
30	-46°	5254	9	27.3	-46	49.3	9.0	1 ✓
31	-46°	5259	9	27.7	-46	35.7	8.0	1 ✓
32	-46°	5267	9	28.1	-46	38.5	9.8	1 ✓
33	-46°	5276	9	28.6	-46	45.1	9.3	1 ✓ -46° 5277 superposed
34	-46°	5261	9	27.9	-46	57.3	9.8	1 ✓
35	-47°	5002	9	26.8	-47	24.3	6.8	1 ✓
36	-47°	5007	9	27.5	-47	38.4	7.8	1 ✓
37	-47°	5017	9	28.2	-47	44.4	9.8	1 ✓
38	-47°	5025	9	28.9	-47	30.8	9.6	1 ✓
39	-47°	5024	9	28.9	-47	21.2	8.5	1 ✓
40	-47°	5035	9	29.9	-47	40.2	9.7	1 ✓
41	-47°	5044	9	30.8	-47	31.3	8.2	1 ✓
42	-47°	5045	9	30.8	-47	13.6	9.4	1 ✓
43	-47°	5063	9	32.0	-47	28.1	9.2	1 ✓
44	-47°	5048	9	31.1	-47	57.2	8.5	1 ✓
45	-48°	4815	9	30.5	-48	20.0	7.9	1 ✓
46	-48°	4818	9	30.8	-48	34.4	8.5	1 ✓
47	-48°	4821	9	30.9	-48	26.6	9.0	1 ✓
48	-48°	4822	9	31.0	-48	27.8	9.7	1 ✓
49	-48°	4824	9	31.2	-48	21.8	8.7	1 ✓
50	-48°	4831	9	31.9	-48	11.4	7.0	1 ✓
51	-48°	4837	9	32.4	-48	12.7	8.8	1 ✓
52	-48°	4841	9	32.5	-48	8.2	8.9	1 ✓
53	-48°	4858	9	33.6	-48	12.6	8.3	1 ✓
54	-48°	4872	9	34.4	-48	29.8	8.2	1 ✓

Cards made out

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1913phae.proj.2153C

Monday, May 19, 1913.
B 3999 31 short disp.

No.	Int.	Class	Remark
55	4	A2	
56	3	Ky5	
57	1	A2	
58	2	A5	
59	10+	A	Burned out. Wayne B.
60	2	Ky0	
61	1	Ky0	
62	1	Ky	
63	5	B9	
64	2	A0	
65	1	A0	
66	1	A0	
67	2	Ky0	
68	1	F0	
69	2	A0	
70	4	Ky5	
71	3	Ky5	
72	1	A0	
73	2	A0	
74	1	B5	
75	1	A2	
76	1	F0	
77	2	A5	
77a	~~+08~~	~~50~~	
78	10+	A3	
79	2	F5	
80	1	F2	
81	6	F0	

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55	-48°	4764	9	26.4	-48	52.2	8.0	1 ✓
56	-48°	4778	9	27.6	-48	50.9	8.0	1 ✓
57	-48°	4785	9	28.0	-48	18.9	9.8	1 ✓ -48° 4786 magn. 9.9 superposed
58	-48°	4798	9	28.7	-48	33.4	9.3	1 ✓
59	-48°	4802	9	29.3	-48	27.0	5.6	1 ✓
60	-48°	4803	9	29.3	-48	36.5	8.9	1 ✓
61	-48°	4806	9	29.8	-48	43.8	9.4	1 ✓
62	-48°	4807	9	30.0	-48	47.3	9.5	1 ✓
63	-49°	4485	9	28.4	-49	27.0	8.6	1 ✓
64	-49°	4477	9	27.9	-49	57.0	9.3	1 ✓
65	-49°	4473	9	27.5	-49	27.5	9.8	1 ✓
66	-49°	4467	9	27.2	-49	12.8	9.6	1 ✓
67	-48°	4787	9	28.1	-48	57.0	9.2	1 ✓
68	-49°	4489	9	28.6	-49	8.3	9.7	1 ✓
69	-49°	4491	9	28.8	-49	11.7	9.6	1 ✓
70	-49°	4502	9	29.2	-49	12.1	7.8	1 ✓
71	-49°	4504	9	29.3	-49	10.2	8.0	1 ✓
72	-49°	4511	9	29.8	-49	41.2	9.7	1 ✓
73	-49°	4526	9	31.0	-49	37.8	9.2	1 ✓
74	-49°	4527	9	31.2	-49	39.6	9.3	1 ✓
75	-49°	4530	9	31.5	-49	15.6	9.5	1 ✓
76	-49°	4538	9	32.3	-49	8.3	9.4	1 ✓
77	-48°	4825	9	31.3	-48	48.7	9.4	1 ✓
77a	-49°	4586	9	33.0	-49	26.2	7.4	1 ✓
78	-48°	4836	9	32.4	-48	47.7	4.9	1 ✓
79	-48°	4866	9	34.2	-48	55.6	9.3	1 ✓
80	-49°	4556	9	33.8	-49	16.0	9.7	1 ✓
81	-49°	4578	9	35.3	-49	34.3	7.7	1 ✓

cards made out.

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1913phae.proj.2153C

Monday, May 19, 1913.

B 3993 short exp.

No.	Int.	Class	Remark
82	3	F8	
83	1	F5	
84	3	A0	
85	3	A2	
86	2	F0	
87	3	F0	
88	4	B9	
89	3	F8	
90	3	G5	Another star superposed S south.
91	3	F0	
92	4	A3	
93	6	F5	
94	4	A0	
95	3	F0	
96	1	F5	
97	2	B3	
98	1	F0	
99	2	A5	
100	3	F0	
101	2	B9	
102	2	F0	
103	5	G5	
104	6	F8	
105	5	A3	
106	2	A0	
107	2	F0	
108	1	F0	

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1913phae.proj.2153C

82	-49°	4581	9	35.5	-49	38.8	9.1	∧ ✓
83	-48°	4891	9	35.9	-48	25.2	8.7	∧ ✓
84	-48°	4896	9	36.3	-48	39.4	9.6	∧ ✓
85	-48°	4910	9	37.5	-48	32.4	9.1	∧ ✓
86	-47°	5081	9	33.6	-47	22.2	9.0	∧ ✓
87	-46°	5357	9	33.5	-46	49.5	8.3	∧ ✓
88	-46°	5361	9	33.8	-46	57.4	8.4	∧ ✓
89	-46°	5369	9	34.3	-46	45.6	9.3	∧ ✓
90	-47°	~~5098~~ 5100	9	34.8	-47	12.2	9.0	∧ ✓ -47° 5098 suppressed. magn. 9.1
91	-47°	5096	9	34.7	-47	32.6	9.1	∧ ✓
92	-47°	5095	9	34.6	-47	43.0	9.0	∧ ✓
93	-47°	5105	9	35.1	-47	40.5	7.7	∧ ✓
94	-47°	5104	9	35.1	-47	25.6	9.0	∧ ✓
95	-47°	5123	9	36.5	-47	14.2	9.0	∧ ✓
96	-47°	5116	9	36.0	-47	50.5	9.1	∧ ✓
97	-48°	4902	9	36.9	-48	2.3	9.1	∧ ✓
98	-48°	4922	9	38.2	-48	20.7	9.5	∧ ✓
99	-48°	4937	9	38.8	-48	28.5	9.5	∧ ✓
100	-48°	4947.5	9	39.2	-48	44.8	8.4	∧ ✓
101	-49°	4644	9	39.8	-49	8.2	9.6	∧ ✓
102	-49°	4649	9	40.3	-49	6.7	9.5	∧ ✓
103	-49°	4652	9	40.3	-49	26.0	7.9	∧ ✓
104	-49°	4657	9	40.8	-49	14.2	8.1	∧ ✓
105	-49°	4639	9	39.2	-49	48.6	8.5	∧ ✓
106	-49°	4633	9	38.7	-49	36.8	9.7	∧ ✓
107	-49°	4627	9	38.4	-49	34.3	8.4	∧ ✓
108	-49°	4612	9	37.3	-49	12.6	9.2	∧ ✓

Cards made out

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1913phae.proj.2153C

Monday, May 19, 1913.

B 3999 31 short exps.

No.	Int.	Class	Remarks
109	2	Q3	
110	4	Q2	
111	1	Q0	
112	3	J0	
113	3	Q3	
114	4	K5	
115	3	Q5	
116	1	J2	
117	5	Q5	
118	5	Q0	
119	5	F0	
120	3	Q3	
121	2	Mod. Hγ br. =10 HS =200.	
122	2	Q0	
123	1	F5	
124	1	K5	
125	3	Q2	
126	3	Q0	
127	8	B9	
128	6	B8	
129	2	F8	
130	5	F0	
131	1	J0	
132	4	J0	
133	2	J0	
134	5	B9	
135	4	Q5	

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1913phae..proj.2153C

109	-48°	4882	9	35.2	-48	56.1	9.7	∧✓
110	-49°	4306	9	14.8	-49	32.6	9.0	∧✓
111	-49°	4318	9	15.5	-49	17.0	9.9	∧✓
112	-49°	4326	9	16.3	-49	22.6	8.5	∧✓
113	-49°	4330	9	16.7	-49	3.8	8.8	∧✓
114	-49°	4341	9	17.3	-49	11.8	8.4	∧✓
115	-49°	4343	9	17.4	-49	8.0	9.3	∧✓
116	-48°	4628	9	17.6	-48	43.4	9.1	∧✓
117	-48°	4637	9	18.2	-48	53.3	8.7	∧✓
118	-48°	4642	9	18.4	-48	44.3	9.0	∧✓
119	-48°	4649	9	18.7	-48	31.4	8.8	∧✓
120	-48°	4656	9	19.0	-48	35.2	9.3	∧✓
121	-48°	4658	9	19.5	-48	20.0	10	∧✓
122	-49°	4361	9	19.0	-49	3.5	9.5	∧✓
123	-49°	4354	9	18.5	-49	16.2	9.6	∧✓
124	-49°	4377	9	20.1	-49	16.4	9.5	∧✓
125	-49°	4390	9	21.3	-49	2.3	8.8	∧✓
126	-48°	4700	9	22.1	-48	29.9	9.2	∧✓
127	-48°	4707	9	22.6	-48	9.1	7.0	∧✓
128	-48°	4712	9	22.8	-48	18.2	8.2	∧✓
129	-47°	4953	9	22.7	-47	54.6	9.3	∧✓
130	-47°	4955	9	22.9	-47	45.8	8.3	∧✓
131	-47°	4947	9	22.1	-47	54.6	9.0	∧✓
132	-47°	4935	9	21.7	-47	12.9	7.8	∧✓
133	-47°	4920	9	20.8	-47	31.0	9.8	∧✓
134	-47°	4922	9	20.9	-47	44.1	8.6	∧✓ -47° 4921 9.6 superposed
135	-47°	4913	9	20.5	-47	56.6	8.5	∧✓

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1913phae.proj.2153C

Monday, May 19, 1913.
B39931 short exps.

Two.	9-in.	Class	Remark
136	2	F5	
137	2	A2	
138	2	A0	
139	1	K0	
140	10	B9	
12, 10 May 20, 1913 9.21			
141	4	K0	
142	2	A0	
143	6	G5	
144	3	A2	
145	7	B8	
146	1	K0	
147	3	B8	
148	7	A2	
149	3	K0	The w. f. of two.
150	1	A2	
151	1	F8	
152	6	G5	
153	4	B9	
154	6	B9	
155	2	A5	
156	3	F0	
157	6	F0	
158	2	F5	
159	10	B8	
160	6	A0	
161	2	A3	
162	2	A2	

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1913phae.proj.2153c

136	−48°	4666	9	20,0	−48	6.9	8.9	∧✓
137	−47°	4919	9	20.7	−47	59.9	9.3	∧✓
138	−48°	4677	9	20.9	−48	4.2	9.6	∧✓
139	−47°	4917	9	20.7	−47	48.1	9.0	∧✓
140	−47°	4890	9	19.0	−47	45.3	6.7	∧✓
141	−47°	4811	9	12.8	−47	12.6	7.9	∧✓
142	−47°	4818	9	13.4	−47	49.4	9.4	∧✓
143	−47°	4831	9	14.6	−47	26.6	7.5	∧✓
144	−47°	4841	9	15.3	−47	5.7	9.2	∧✓
145	−47°	4850	9	16.1	−47	2.0	7.7	∧✓
146	−47°	4852	9	16.4	−47	2.4	9.2	∧✓
147	−47°	4866	9	17.0	−47	7.4	8.7	∧✓
148	−46°	5121	9	17.2	−46	47.4	7.8	∧✓
149	−46°	5118	9	17.0	−46	40.7	8.9	∧✓ −46° 5116 7.3 superseded
150	−46°	5108	9	16.5	−46	43.7	9.8	∧✓
151	−46°	5117	9	17.0	−46	13.9	9.4	∧✓
152	−46°	5123	9	17.5	−46	13.7	7.9	∧✓
153	−46°	5133	9	17.9	−46	19.3	9.3	∧✓
154	−46°	5134	9	18.0	−46	18.4	8.9	∧✓
155	−46°	5128	9	17.7	−46	35.9	9.7	∧✓
156	−46°	5132	9	17.9	−46	56.2	9.2	∧✓
157	−46°	5140	9	18.5	−46	47.0	8.4	∧✓
158	−46°	5144	9	18.9	−46	20.7	9.4	∧✓
159	−46°	5146	9	19.2	−46	22.2	6.6	∧✓
160	−46°	5151	9	19.3	−46	31.4	8.6	∧✓
161	−46°	5153	9	19.6	−46	24.8	9.7	∧✓
162	−46°	5154	9	19.7	−46	10.6	9.6	∧✓

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1913phae.proj.2153C

Tuesday, May 20, 1913.

B 39931 short disp.

No.	Int.	Class	Remark
163	6	K0	
164	2	G5	
165	1	F0	
166	1	A0	
167	1	K5	
168	1	A0	
169	5	F5	Quarter star superposed at north.
170	1	A0	
171	1	A2	
172	1	G5	
173	1	K5	
174	1	G0	
175	4	A0	
176	4	F5	
177	7	A3	
178	5	dA2	
179	4	A0	
180	3	A2	
181	2	A0	
182	1	A3	
183	2	F0	
184	3	A3	
185	1	A0	
186	2	B	Almost cont.
187	4	F0	
188	3	A0	
189	3	A3	

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1913Phac..proj..21536

163	-46°	5169	9	20.7	-46	24.2	7.7	1 ✓
164	-46°	5170	9	20.9	-46	26.2	9.1	1 ✓
165	-46°	5173	9	21.3	-46	26.3	9.6	1 ✓
166	-47°	4905	9	20.1	-47	3.7	9.6	1 ✓
167	-48.7°	4875	9	18.2	-48.7	12.8	8.8	1 ✓
168	-48.7°	4880	9	18.4	-48.7	14.0	9.7	1 ✓
169	-48.7°	4882	9	18.5	-48.7	8.5	8.4	1 ✓
170	-47°	4894	9	19.3	-47	35.8	9.6	1 ✓
171	-47°	4942	9	22.0	-47	1.2	9.6	1 ✓
172	-47°	4951	9	22.4	-47	24.3	9.7	1 ✓
173	-47°	4954	9	22.8	-47	11.7	9.3	1 ✓
174	-46°	5191	9	22.7	-46	59.8	9.5	1 ✓
175	-46°	5198	9	23.3	-46	7.9	9.1	1 ✓
176	-45°	5151	9	21.9	-45	51.6	8.8	1 ✓
177	-45°	5150	9	21.8	-45	35.1	7.9	1 ✓
178	-45°	5152	9	22.1	-45	35.4	8.5	1 ✓
179	-45°	5195	9	25.0	-45	54.8	9.0	1 ✓
180	-46°	5229	9	25.8	-46	15.6	9.4	1 ✓
181	-46°	5227	9	25.6	-46	23.6	9.5	1 ✓
182	-46°	5217	9	24.9	-46	30.4	9.7	1 ✓
183	-46°	5209	9	24.4	-46	52.2	9.3	1 ✓
184	-45°	5223	9	27.4	-45	56.6	9.1	1 ✓
185	-46°	5266	9	28.1	-46	0.5	9.9	1 ✓
186	-46°	5274	9	28.5	-46	12.7	9.4	1 ✓
187	-46°	5304	9	30.4	-46	28.3	8.3	1 ✓
188	-45°	5271	9	30.8	-45	58.6	9.7	1 ✓
189	-46°	5319	9	31.1	-46	14.2	9.4	1 ✓

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1913phae.proj.2153C

Tuesday, May 20, 1913.

B39931 slant disp.

No.	Int.	Class	Remark
190	2	Lo	
191	4	Lo	
192	3	K2	
193	2	A2	
194	3	F8	
195	3	A3	
196	2	K5	
197	2	A2	
198	2	A2	
199	3	K0	
200	3	F5	
201	5	K0	
202	5	K2	
203	3	K0	
204	2	A0	
205	7	B9	
206	7	B8	
207	1	L5	
208	1	A	
209	2	A2	
210	3	B9	
211	6	F2	
212	2	F0	
213	2	A0	
214	9	L5	
215	2	A2	
216	7	K0	

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1913phae.proj.2153C

190	-45°	5281	9	31.7	-45	57.9	9.3	∧✓
191	-45°	5285	9	32.0	-45	46.6	8.6	∧✓
192	-45°	5270	9	30.8	-45	33.1	8.1	∧✓
193	-45°	5274	9	31.0	-45	30.6	9.2	∧✓
194	-45°	5276	9	31.4	-45	30.7	8.7	∧✓
195	-46°	5332	9	31.8	-46	13.2	9.3	∧✓
196	-46°	5342	9	32.4	-46	25.6	8.7	∧✓
197	-46°	5308	9	30.5	-46	51.0	9.6	∧✓
198	-46°	5326	9	31.5	-46	54.4	9.5	∧✓
199	-45°	5304	9	33.9	-45	33.9	8.5	∧✓
200	-46°	5379	9	35.0	-46	0.8	9.4	∧✓ -46° ~~5378~~ ~~4365~~ 10.0 superposed
201	-45°	5337	9	36.5	-45	48.8	8.1	∧✓
202	-45°	5336	9	36.3	-45	35.8	8.0	∧✓
203	-46°	5084	9	14.6	-46	6.8	8.3	∧✓
204	-46°	5076	9	13.9	-46	39.3	9.4	∧✓
205	-46°	5081	9	14.3	-46	40.6	7.9	∧✓
206	-46°	5095	9	15.5	-46	25.3	7.5	∧✓
207	-46°	5096	9	15.6	-46	14.4	9.2	∧✓
208	-46°	5092	9	15.4	-46	12.4	9.4	∧✓
209	-45°	5060	9	15.7	-45	48.6	9.5	∧✓
210	-45°	5075	9	16.5	-45	28.2	9.7	∧✓
211	-45°	5079	9	16.6	-45	28.8	8.6	∧✓
212	-45°	5089	9	17.1	-45	20.2	9.4	∧✓
213	-45°	5095	9	17.7	-45	34.9	9.6	∧✓
214	-45°	5099	9	17.8	-45	30.7	6.4	∧✓
215	-45°	5117	9	18.9	-45	44.3	9.2	∧✓
216	-44°	5382	9	15.6	-44	38.8	7.0	∧✓

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Tuesday, May 20, 1913.

B39931 short disp.

No.	Int.	Class	Remark
217	7	A_2	
218	2	A_2	
219	6	A_0	
220	2	A_0	
221	3	Nb	
222	2	K_0	
223	3	A_0	
224	3	A_3	
225	2	A_2	
226	1	A_3	
227	2	F_0	
228	1	K_5	
229	1	F_5	
230	8	B_5	
231	6	B_8	
232	1	K_0	
233	7	K_0	
234	3	A_5	
235	3	A_0	
236	1	K_0	
237	6	A_2	
238	5	A_2	
239	4	A_0	
240	5	F_0	
241	3	A_2	
242	4	Nb	
243	7	A_3	

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1913phae.proj.2153C

217	−44°	5398	9	16.5	−44	30.6	7.7	∧✓
218	−44°	5411	9	17.1	−44	23.7	9.3	∧✓
219	−44°	5430	9	18.6	−44	25.8	8.0	∧✓
220	−44°	5445	9	19.4	−44	56.3	9.6	∧✓
221	−44°	5460	9	20.4	−44	50.2	8.1	∧✓
222	−44°	5464	9	20.6	−44	56.6	8.9	∧✓
223	−45°	5140	9	21.1	−45	3.2	9.6	∧✓
224	−45°	5139	9	21.0	−45	18.0	9.3	∧✓
225	−45°	5166	9	23.1	−45	28.5	9.5	∧✓
226	−45°	5170	9	23.5	−45	30.5	9.8	∧✓
227	−45°	5177	9	23.7	−45	13.2	9.4	∧✓
228	−45°	5184	9	24.1	−45	30.1	9.0	∧✓
229	−45°	5185	9	24.3	−45	23.6	9.4	∧✓
230	−44°	5503	9	23.9	−44	57.1	7.3	∧✓
231	−44°	5505	9	24.0	−44	57.3	7.5	∧✓
232	−44°	5512	9	24.4	−44	54.6	9.0	∧✓
233	−45°	5202	9	25.9	−45	1.2	7.0	∧✓
234	−44°	5536	9	26.3	−44	41.9	9.1	∧✓
235	−44°	5545	9	26.6	−44	40.9	9.4	∧✓
236	−44°	5539	9	26.4	−44	54.9	8.9	∧✓
237	−45°	5217	9	26.6	−45	3.8	8.2	∧✓
238	−44°	5548	9	26.8	−45	56.6	9.4	∧✓
239	−45°	5221	9	27.3	−45	14.6	9.0	∧✓
240	−45°	5215	9	26.6	−45	27.6	8.3	∧✓
241	−45°	5235	9	28.3	−45	12.1	9.5	∧✓
242	−44°	5574	9	28.5	−44	57.8	8.3	∧✓
243	−44°	5573	9	28.5	−44	39.3	8.4	∧✓

cards made out.

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1913phae.proj.2153C

Tuesday. May/20 1913.
B3993 short disp.

No	Int.	Class	Remark
244	1	K5	
245	4	A0	
246	3	F0	
247	3	A0	
248	3	G5	
249	2	G5	
250	1	A5	
251	3	K0	
252	5	Ma	
253	1	F0	
254	3	A0	
255	3	A2	
256	3	A2	
257	4	A5	
258	5	A3	
259	3	F8	
260	1	A0	
261	6	F3	
262	1	K0	Time: 9.48
263			
264			
263	2	Nb	

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1913phae.proj.2153C

244	-45°	5303	9	33.5	-45	1.1	9.1	1 ✓
245	-44°	5675	9	34.1	-44	56.0	9.0	1 ✓
246	-45°	5308	9	34.7	-45	12.3	9.1	1 ✓
247	-45°	5314	9	35.1	-45	5.8	9.4	1 ✓
248	-45°	5347	9	37.1	-45	25.7	8.6	1 ✓
249	-45°	5348	9	37.3	-45	48.8	8.8	1 ✓
250	-45°	5344	9	36.9	-45	56.6	9.6	1 ✓
251	-46°	5420	9	37.3	-46	5.0	8.7	1 ✓
252	-46°	5426	9	37.8	-46	17.7	7.3	1 ✓
253	-46°	5400	9	36.0	-46	46.0	9.5	1 ✓
254	-47°	5138 (6)	9	37.5	-47	4.2 (6)	9.7 (4)	1 ✓
255	-47°	5139	9	37.6	-47	31.6	9.3	1 ✓
256	-48°	4948	9	39.3	-48	5.4	9.4	1 ✓
257	-47°	5172	9	39.6	-47	55.3	9.1	1 ✓
258	-47°	5166	9	39.3	-47	32.0	8.4	1 ✓
259	-47°	5169	9	39.5	-47	20.5	9.0	1 ✓
260	-47°	5170	9	39.5	-47	9.5	9.6	1 ✓
261	-46°	5463	9	40.2	-46	54.4	8.1	1 ✓
262	-46°	5454	9	39.5	-46	30.7	9.1	1 ✓

Identified by J. C. M. July 16, 1913.
Checked Sept. 12. 1913 E.D.W.
Cards made out by C.R.B.
Cards checked. D.E.W. Sept. 20.

✓	263	-46°	5512	9.	42.9	-46	4	9.7 Checked from III 1/16

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1913phae.proj.2153C

Tuesday, May 20 1913.

June: 7 10.07

B 4280.4 ~~+9+55~~ short disp. (for faint stars)

No.	Int.	Class	Remark
1	4	K	E.
2	2	K5	E.
3	7	K0	E.
4	1	G5	E.
5	2	K0	E.
6	2	G5	
7	1	K2	
8	3	K0	
9	3	G5	
10	5	G5	
11	1	K0	
12	3	F8	
13	2	F5	
14	1	G5	
15	4	F8	
16	3	K5	
17	1	G5	
18	3	K0	
19	2	K5	
20	1	K0	
21	2	G5	
22	2	K0	
23	1	G5	
24	1	G5	
25	1	G0	
26	1	K0	
27	3	K0	

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1913phae..proj..2153C

1	-36°	59	0	7.9	-36	30.3	7.3
2	-36°	68	0	8.7	-36	51.3	7.6
3	-37°	74	0	12.2	-37	11.9	6.6
4	-36°	113	0	16.6	-36	20.2	8.8
5	-36°	115	0	17.1	-36	22.4	8.9
6	-34°	103	0	14.9	-34	3.1	9.5
7	-33°	108	0	15.3	-33	44.9	9.0
8	-33°	109	0	15.3	-33	47.2	8.5
9	-33°	104	0	14.7	-33	24.9	8.5
10	-33°	95	0	14.0	-33	27.9	8.1
11	-33°	91	0	13.8	-33	1.8	9.0
12	-32°	98	0	13.8	-32	30.3	8.3
13	-32°	90	0	12.3	-32	23.7	9.0
14	-32°	81	0	11.2	-32	6.2	8.6
15	-31°	110	0	13.4	-31	21.2	8.0
16	-31°	120	0	14.2	-31	14.6	8.1
17	-31°	122	0	14.6	-31	21.6	9.1
18	-31°	143	0	17.7	-31	57.8	8.3
19	-33°	110	0	15.4	-33	13.1	8.5
20	-33°	106	0	~~15.1~~ 14.9	-33	27.9	9.9
21	-34°	132	0	19.4	-34	1.6	9.4
22	-33°	141	0	20.3	-33	43.2	9.0
23	-33°	133	0	19.0	-33	38.9	9.4
24	-33°	136	0	19.3	-33	18.6	9.7
25	-33°	139	0	19.5	-33	3.1	9.5
26	-32°	126	0	20.0	-32	41.0	9.4
27	-32°	125	0	19.9	-32	21.3	8.8

cards in ord. out

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1913phae.proj.2153C

Tuesday, May 20, 1913.
B42804 slant disp.

No	Int.	Class	Remarks
28	1	Ma	
29	2	F8	
30	2	K5	
31	3	G5	
32	3	G0	
33	2	K5	
34	3	G0	
35	2	K2	
36	1	F5	
37	3	G0	
38	3	F5	
39	4	G0	
40	2	K5	
41	1	A0	
42	3	F5	
43	1	K5	
44	2	F5	
45	3	K0	
46	1	K0	
47	4	F8	
48	2	G0	
49	1	G5	
50	2	G5	
51	2	K5	
52	3	G0	
53	1	G5	
54	1	G5	

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1913phae.proj.2153C

28	-31°	161	0	19.7	-31	53.7	9.0
29	-31°	160	0	19.6	-31	45.2	8.7
30	-31°	158	0	19.2	-31	4.1	9.0
31	-30°	115	0	19.7	-30	28.8	8.7
32	-30°	104	0	17.3	-30	10.8	8.5
33	-30°	105	0	17.4	-30	3.8	8.9
34	-29°	109	0	18.2	-29	5.9	8.7
35	-29°	113	0	19.3	-29	50.1	8.7
36	-30°	114	0	19.5	-30	5.8	9.0
37	-29°	122	0	20.9	-29	59.8	8.7
38	-30°	124	0	21.1	-30	46.8	8.9
39	-30°	132	0	22.2	-30	48.0	8.7
40	-30°	128	0	21.7	-30	8.8	8.8
41	-30°	127	0	21.5	-30	12.3	9.5
42	-30°	135	0	22.7	-30	25.5	8.8
43	-30°	136	0	22.9	-30	32.5	9.0
44	-30°	137	0	23.0	-30	12.3	9.0
45	-29°	137	0	24.4	-29	13.4	8.7
46	-31°	191	0	24.6	-31	3.1	9.0
47	-31°	198	0	25.6	-31	6.1	8.3
48	-31°	183	0	23.1	-31	57.8	8.9
49	-31°	184	0	23.4	-31	48.7	9.1
50	-31°	186	0	23.7	-31	43.7	8.7
51	-31°	192	0	24.6	-31	46.2	8.6
52	-32°	163	0	24.8	-32	19.0	8.6
53	-31°	169	0	21.2	-31	39.2	9.4
54	-31°	172	0	21.7	-31	31.7	9.1

cards 7 to 9 de out

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1913phae.proj.2153C

Tuesday, May 20, 1913.

B 42.80 4 short disps

Nr.	Int.	Class	Remark
55	1	Gs	
56	1	Gs	
57	1	Go	
58	1	Gs	
59	1	Ks	
60	3	Nb	
61	2	Gs	
62	1	Go	
63	2	Gs	
64	4	Go	
65	2	Gs	
66	3	Gs	
67	1	Ko	
68	1	Go	
69	1	Gs	
70	1	Ko	
71	2	Ko	
72	1	Ko	
73	2	Go	
74	2	Ko	
75	2	K2	
76	2	Go	
77	1	Ko	
78	3	Ko	
79	2	K8	
80	1	Ks	
81	2	Go	

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55	-31°	181	0	22.8	-31	27.2	8.6	∧∨
56	-31°	197	0	25.6	-31	36.9	8.8	∧∨
57	-31°	210	0	27.0	-31	38.2	9.0	∧∨
58	-31°	201	0	26.1	-31	29.7	8.9	∧∨
59	-30°	151	0	26.3	-30	58.1	8.5	∧∨
60	-31°	228	0	30.3	-31	1.6	8.0	∧∨
61	-32°	180	0	26.9	-32	43.0	9.1	∧∨
62	-32°	170	0	25.4	-32	59.8	9.4	∧∨
63	-33°	166	0	24.2	-33	24.9	8.8	∧∨
64	-33°	156	0	22.5	-33	27.4	8.9	∧∨
65	-32°	137	0	21.4	-32	36.7	9.2	∧∨
66	-32°	138	0	21.4	-32	38.7	9.0	∧∨
67	-34°	162	0	23.6	-34	1.6	9.1	∧∨
68	-34°	165	0	24.0	-34	6.1	9.3	∧∨
69	-33°	157	0	22.8	-33	47.2	9.3	∧∨
70	-33°	176	0	25.9	-33	38.1	9.0	∧∨
71	-33°	188	0	27.6	-33	10.2	8.7	∧∨
72	-33°	192	0	28.0	-33	28.1	9.4	∧∨
73	-33°	196	0	28.5	-33	47.5	9.2	∧∨
74	-33°	205	0	29.1	-33	15.4	9.0	∧∨
75	-32°	191	0	28.6	-32	25.6	9.2	∧∨
76	-32°	199	0	29.8	-32	5.0	9.0	∧∨
77	-31°	227	0	30.2	-31	54.2	8.8	∧∨
78	-32°	207	0	30.9	-32	22.8	9.0	∧∨
79	-32°	207	0	30.9	-32	50.2	9.0	∧∨
80	-33°	225	0	31.6	-33	9.3	9.4	∧∨
81	-33°	227	0	32.2	-33	20.7	9.2	∧∨

Cards made out

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1913phae.proj.2153C

Tuesday, May 20, 1913.
B42804 short disp.

No.	Int.	Class	Remark
82	1	K2	
83	1	K2	
84	2	K0	
85	2	G0	
86	3	G5	
87	1	K2	
88	2	F8	
89	3	G0	
90	2	G5	
91	1	K0	
92	2	G5	
93	2	G0	
94	3	F8	
95	2	A2	
96	2	G0	
97	1	A5	
98	2	G0	
99	1	G5	
100	2	G0	
101	2	G5	
102	1	K5	
103	1	G5	
104	1	K0	
105	1	G0	
106	2	K2	
107	1	K2	
108	2	K0	

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1913phae.proj.2153C

82	-33°	229	0	32.4	-33	21.7	9.3	∧ ∨
83	-33°	238	0	33.5	-33	21.4	8.7	∧ ∨
84	-33°	244	0	34.3	-33	14.●	9.0	∧ ∨
85	-33°	248	0	34.7	-33	27.6	9.1	∧ ∨
86	-33°	232	0	32.8	-33	53.4	8.9	∧ ∨
87	-34°	212	0	31.7	-34	11.9	9.3	∧ ∨
88	-33°	213	0	30.5	-33	57.5	9.1	∧ ∨
89	-34°	230	0	34.6	-34	58.7	8.9	∧ ∨
90	-35°	211	0	35.1	-35	12.9	9.1	∧ ∨
91	-34°	237	0	35.3	-34	36.8	9.3	∧ ∨
92	-33°	281	0	39.0	-33	57.2	9.1	∧ ∨
93	-33°	285	0	39.6	-33	50.4	9.3	∧ ∨
94	-33°	288	0	40.1	-33	58.2	9.4	∧ ∨
95	-34°	280	0	40.6	-34	6.1	9.5	∧ ∨
96	-34°	275	0	40.0	-34	16.2	9.0	∧ ∨
97	-32°	256	0	36.6	-32	56.6	9.5	∧ ∨
98	-32°	275	0	38.8	-32	56.9	8.9	∧ ∨
99	-32°	281	0	39.5	-32	42.9	9.3	∧ ∨
100	-33°	292	0	40.4	-33	6.9	9.2	∧ ∨
101	-32°	286	0	40.2	-32	20.6	8.8	∧ ∨
102	-32°	288	0	40.4	-32	17.6	9.0	∧ ∨
103	-31°	241	0	32.3	-31	56.2	9.0	∧ ∨
104	-32°	228	0	33.7	-32	18.9	9.4	∧ ∨
105	-32°	237	0	34.2	-32	1.2	9.0	∧ ∨
106	-31°	257	0	35.3	-31	59.8	8.6	∧ ∨
107	-31°	269	0	37.9	-31	50.2	8.7	∧ ∨
108	-31°	249	0	33.6	-31	12.6	8.4	∧ ∨

Cards made out

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1913phae.proj.2153C

Tuesday, May 20, 1913.

T342804 short disp.

Wv.	Int.	Class	Remark
109	1	K0	
110	2	K0	
111	2	K2	
112.	2	Mb	
113	2	g0	
114	1	G0	
115	2	g0	
116	1	g	
117	2	g0	
118	1	g	
119	3	F5	
120	3	g5	
121	1	K0	
122	2	K0	
123	1	F5	
124	1	F5	
125	2	Mas	
126	1	g5	
127	1	F0	
128	2	A5	
129	2	F5	
130	2	F0	
131	1	F8	
132	2	K0	
133	2	g5	
134	3	K0	
135	2	g5	

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1913phae.proj.2153C

109	-30°	172	0	30.5	-30	45.8	9.0
110	-29°	189	0	33.4	-29	46.4	8.5
111	-37°	132	0	20.9	-37	15.5	8.8
112	-37°	134	0	21.1	-37	5.8	8.5
113	-36°	159	0	24.3	-36	38.5	9.1
114	-36°	166	0	25.1	-36	9.6	9.5
115	-36°	169	0	25.4	-36	57.8	8.7
116	-36°	180	0	26.6	-36	25.6	9.3
117	-36°	188	0	28.0	-36	42.8	9.0
118	-36°	189	0	28.1	-36	57.1	8.7
119	-37°	186	0	28.3	-37	19.2	8.7
120	-37°	199	0	30.1	-37	37.1	8.3
121	-36°	203	0	30.5	-36	53.8	8.9
122	-36	199	0	29.6	-36	20.6	9.2
123	-35°	172	0	28.0	-35	27.6	9.2
124	-35°	175	0	28.1	-35	17.9	9.5
125	-34°	176	0	26.5	-34	59.8	8.9
126	-34°	197	0	29.6	-34	22.5	9.5
127	-34°	206	0	30.7	-34	58.1	9.5
128	-36°	217	0	32.6	-36	16.9	8.7
129	-36°	221	0	33.4	-36	17.9	8.9
130	-36°	226	0	34.1	-36	45.5	9.0
131	-36°	228	0	34.4	-36	10.8	9.2
132	-37°	217	0	32.8	-37	8.8	4.4
133	-37°	252	0	38.5	-37	31.2	8.7
134	-37°	253	0	38.6	-37	21.1	8.3
135	-36°	249	0	38.4	-36	47.4	9.0

cards made out

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1913phae.proj.2153C

Tuesday, May 20, 1913.
B42804 short strip

	No.	Int.	Class	Remark
	136	1	G5	
	137	1	K0	
	138	1	K0	
	139	2	G5	
	140	1	K0	
	141	2	G5	
10.35	142	1	K0	
	143			
	144			
	145			
Feb 3, 1916	143	5	K0	
	144	6	G0	
	145	5	F8	
	146	5	G5	
	147	6	G0	
	148	6	A0	
	149	5	K0	
	150	5	K2	
	151	4	K0	
	152	4	G5	
	153	5	G5	

cont. in 102,178

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1913phae.proj.2153C

136	-35°	233	0	38.6	-35	59.8	9.5	1 ✓
137	-35°	230	0	38.5	-35	46.3	9.6	1 ✓
138	-35°	222	0	37.2	-35	32.9	9.0	1 ✓
139	-35°	220	0	36.9	-35	59.8	9.6	1 ✓
140	-36°	240	0	36.5	-36	3.8	9.4	1 ✓
141	-35°	273	0	43.1	-35	6.9	9.0	1 ✓
142	-31°	296	0	42.6	-31	56.4	8.6	1

Identified by amc. May 20, 1913

Checked. May. 21. 1913 L.R.W.

cards made out by M.C.W.

Cards checked by G.R.B.

✓ 143	-31	292 280	0	41.4	-31	48	8.3	54 m B 5112
✓ 144	-31	~~28~~	0	31.7	-31	21	8.0	47 " "
✓ 145	-31	271	0	38.0	-31	6	8.3	46 " "
✓ 146	-31	252	0	34.4	-31	51	8.0	43 " "
✓ 147	-32	200	0	29.9	-32	19	8.4	57 " "
✓ 148	-30	138	0	23.7	-30	57	8.4	34 " "
✓ 149	-30	124	0	21.0	-30	16	8.1	+ " "
✓ 150	-32	108	0	16.5	-32	24	8.0	8 " "
✓ 151	-33	118	0	17.0	-33	52 ~~45~~	8.5	18 " "
✓ 152	-33	134	0	19.2	-33	48	9.0	21 " "
✓ 153	-33	157	0	21.5	-33	4	8.6	25 " "

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1913phae.proj.2153C

Tuesday, May 20, 1913.

Time: 10.45 Big 155 short disps.

No	Int.	Class	Remark
1	2	A0	
2	3	K0	
3	3	F2	
4	1	G5	
5	1	K5	
6	4	A0	
7	2	K0	
8	2	F0	
9	2	F2	
10	1	A0	
11	5	G5	
12	4	A0	
13	2	A2	
14	2	Ma	
15	3	F5	
16	1	K0	
17	1	K5	Perhaps Ma.
18	3	A5	
19	1	K5	
20	3	A2	
21	2	F2	
22	1	F5	
23	1	F5	
24	1	F0	
25	4	F5	
26	1	F5	
27	1	F	

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1913phae.proj.2159c

1	-65°	884	8	9.4	-65	38.6	8.8	✓
2	-65°	894	8	12.9	-65	31.9	8.8	✓
3	-65°	895	8	12.9	-65	38.5	8.8	✓
4	-65°	897	8	13.5	-65	53.0	9.1	✓
5	-66°	807	8	11.6	-66	0.7	9.3	✓
6	-66°	810	8	12.7	-66	13.1	8.8	✓
7	-66°	818	8	16.1	-66	57.5	9.0	✓
8	-67°	912	8	17.4	-67	19.2	9.1	✓
9	-67°	917	8	18.0	-67	17.9	9.0	✓
10	-68°	770	8	18.7	-68	16.3	9.2	✓
11	-68°	771	8	19.0	-68	36.1	8.6	✓
12	-69°	881	8	17.4	-69	13.3	8.4	✓
13	-69°	878	8	16.8	-69	23.4	9.1	✓
14	-69°	897	8	21.4	-69	4.3	9.1	✓
15	-69°	917	8	26.6	-69	19.8	8.8	✓
16	-69°	910	8	24.4	-69	44.8	9.1	✓
17	-69°	910'	8	24.4	-69	58.0 ?+	9.2	✓
18	-70°	765	8	22.1	-70	2.1	8.8	✓
19	-70°	747	8	15.0	-70	26.2	9.0	✓
20	-70°	735	8	11.3	-70	57.2	8.4	✓
21	-69°	877	8	16.6	-69	51.0	8.8	✓
22	-67°	893	8	12.2	-67	58.9	9.2	✓
23	-68°	754	8	12.1	-68	23.0	9.3	✓
24	-68°	758	8	12.3	-68	16.1	9.2	✓
25	-65°	905	8	16.5	-65	12.9	8.7	✓
26	-65°	914	8	19.6	-65	14.2	9.1	✓
27	-65°	919	8	20.7	-65	32.0	9.2	✓

cards made out

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1913phae.proj.2153C

Tuesday, May 20, 1913.

B19 155 slant dirs.

	No.	Int.	Class	Remark
June 10.50	28	2	F5-	
	29	2	a0	
	30	2	F8	
	31	2	F8	
	32	2	F0	
	33	4	a3	
	34	4	F0	
	35	3	a2	
	36	9	a2	

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1913phae.proj.2153C

28	−66°	842	8	20.9	−66	0.0	9.0	1	

Identified by J. C. M. July 18, 1913
Checked by A.M.C. Aug. 4, 1913
cards made out by W. C. W.

29	−64°	905	8	Checked by E. F. Gilb 29.9	−64	23	8.8	1 on	B 21452
30	−64°	865	8	21.9	−64	47	9.0	302	" "
31	−65°	942	8	25.4	−65	35	9.2	319	" "
32	−65°	924	8	22.3	−65	24	9.1	313	" "
33	−64°	850	8	17.5	−64	53	8.5	305	" "
34	−65°	903	8	15.9	−65	16	8.8	307	" "
35	−69°	937	8	34.5	−69	26	9.0	376	" "
36	−65°	1013	8	42.8	−65	22	6.5	19	" "

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1913phae.proj.2153C

Tuesday, May 20, 1913.

Time: 11.17 B40095 short disp. δ 17 -63.0

Two	Int.	Class	Remark
1	2	A0	The n. f. of two.
2	8	G5	
3	2	G0	
4	2	F8	
5	5	K0	
6	2	A2	(The middle of three stars.)
7	2	A0	
8	1	G5	
9	3	K2	
10	1	K2	
11	2	A3	
12	3	F2	
13	3	A5	
14	3	K2	
15	2	G5	Another star superposed at south.
16	2	K0	
17	2	A0	
18	2	K5	
19	3	K0	
20	2	G5	
21	2	K2	
22	2	A0	
23	1	F0	
24	3	F2	
25	7	A	
26	10	A	
27	2	A0	

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1913phae.proj.2153c

1	-62°	969	8	9.1	-62	27.7	9.0	✓
2	-64°	828	8	7.8	-64	24.3	8.3	✓
3	-64°	836	8	11.8	-64	35.1	8.9	✓
4	-64°	840	8	14.3	-64	6.1	8.8	✓
5	-64°	932	8	18.4	-64	6.4	8.5	✓
6	-64°	929	8	18.1	-64	30.1	8.8	✓
7	-64°	934	8	18.5	-64	56.8	8.9	✓
8	-64°	854	8	18.8	-64	6.5	9.0	✓
9	-64°	~~857~~ 957	8	21.8	-63	19.6	9.1	✓
10	-63°	965	8	23.2	-63	40.6	9.3	✓
11	-63°	967	8	23.7	-63	42.8	9.2	✓
12	-63°	977	8	26.3	-63	12.8	9.1	✓
13	-63°	984	8	28.1	-63	20.4	8.8	✓
14	-62°	1020	8	23.5	-62	29.0	9.0	✓
15	-62°	1018	8	22.9	-62	42.0	9.0	-62° 1017 rejected.
16	-62°	1022	8	24.7	-62	2.0	9.2	✓
17	-61°	1031	8	27.5	-61	41.2	9.2	✓
18	-61°	1034	8	27.8	-61	38.8	9.2	✓
19	-62°	1035	8	29.1	-62	33.9	8.8	✓
20	-62°	1043	8	31.6	-62	53.1	8.9	✓
21	-63°	988	8	30.2	-63	16.4	9.1	✓
22	-62°	1048	8	32.1	-62	14.8	9.0	✓
23	-61°	1043	8	31.9	-61	50.8	9.2	✓
24	-62°	1055	8	34.5	-62	26.9	8.7	✓
25	-61°	1045	8	32.0	-61	3.5	8.0	✓
26	-59°	1075	8	36.6	-59	52.6	6.8	✓
27	-60°	1160	8	36.7	-60	18.5	8.6	✓

Cards made out

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1913phae.proj.2153C

Tuesday, May 20, 1913.

B40095 short disp

No	Int.	Class	Remark
28	1	Aa2	
29	1	Ao	
30	1	A	
31	2	A	
32	2	A	
33	2	Fo	
34	3	Ao	
35	2	Go	
36	2	Fs	
Time 11.24 37	2	A	

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1913phae.proj.2153C

28	-60°	1162	8	37.8	-60	56.0	9.0	✓
29	-60°	1164	8	38.5	-60	50.3	9.1	✓
30	-60°	1170	8	40.7	-60	18.8	8.8	✓
31	-60°	1171	8	41.0	-60	16.5	8.7	✓
32	-59°	1089	8	40.0	-59	57.8	8.8	✓
33	-59°	1086	8	39.1	-59	24.5	8.8	✓
34	-61°	1078 (6)	8	~~42.5~~ 41.9	-61	~~35.8~~ 38.8	~~9.3~~ 8.8	✓ ^ J.M.
35	-62°	1079	8	41.0	-62	47.0	8.8	✓
36	-63°	1015	8	37.3	-63	6.5	8.9	✓
37	-63°	1043	8	46.4	-63	24.3	8.6	✓

Identified by J. C. M. July 18, 1913.
Checked by A.M.C. Aug. 6. 1913
cards made out by M. C. W.
Cards checked by G. R. B.

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1913phae.proj.2153C

Wednesday August 27, 1913

Trine 12.08 I 37828

No.	Int.	class	Remarks
✓ 1	3	K2	E
✓ 2	3	G0	E
✓ 3	2	F8	
✓ 4	1	K2	faint
✓ 5	4	F2	
✓ 6	1	K5	
✓ 7	1	K	
✓ 8	5	K0	
✓ 9	7	G0	
✓ 10	3	A	~~Another star~~ No. 11 superposed at north.
✓ 11	1	K0	Partly superposed on 10
✓ 12	3	A0	
✓ 13	4	A0	
✓ 14	9	A2	
✓ 15	5	K0	
✓ 16	2	A0	
/ 17	7	B9	
/ 18	10	A2	E
✓ 19	1	K	
✓ 20	3	A2	
✓ 21	3	A2	
✓ 22	2	K0	
✓ 23	2	G5	
✓ 24	4	A0	
✓ 25	2	K0	
✓ 26	2	K2	
✓ 27	4	K0	

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1913phae..proj..2153C

1	+30°	3138	18	3.7	+30	26.4	7.2	✓
2	+29°	3190	18	3.8	+29	55.5	7.2	✓
3	+30°	3142	18	4.6	+30	49.2	8.0	✓
4	+31°	3196	18	5.5	+31	12.5	8.2	✓
5	+31°	3211	18	8.7	+31	27.3	8.1	✓
6	+32°	3076	18	8.5	+32	14.5	8.5	✓
7	~~+29°~~ +32°	~~3190~~ 3085	18	~~3.8~~ 10.9	~~+29~~ +32	~~55.5~~ 14.1	~~7.2~~ 8.7	✓
8	+30°	3162	18	10.3	+30	21.2	7.1	✓
9	+29°	3243	18	9.1	+29	10.8	7.0	✓
10	+29°	3199	18	5.8	+29	38.7	7.7	✓
11	+29°	3198	18	5.8	+29	52.8	7.5	✓
12	+31°	3239	18	14.3	+31	4.9	8.0	✓
13	+31°	3242	18	15.1	+31	0.3	8.0	✓
14	+29°	3241	18	15.4	+29	47.6	5.5	✓
15	+29°	3236	18	14.3	+29	35.8	6.5	✓
16	+29°	3237	18	14.5	+29	23.0	8.2	✓
17	+28°	2980	18	14.8	+28	55.3	7.0	✓
18	+28°	2981	18	15.4	+28	48.3	4.9	✓
19	+29°	3245	18	16.4	+29	56.7	8.0	✓
20	+29°	3247	18	17.5	+29	17.6	8.1	✓
21	+30°	3192	18	18.4	+30	12.9	8.0	✓
22	+30°	3197	18	19.1	+30	43.6	8.4	✓
23	+31°	3259	18	18.4	+31	17.0	8.0	✓
24	+32°	3118	18	19.0	+32	3.7	7.8	✓
25	+31°	3265	18	20.3	+31	50.1	8.0	✓
26	+31°	3269	18	20.9	+31	31.1	8.0	✓
27	+30°	3206	18	21.4	+30	53.3	6.8	✓

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1913phae.proj.2153C

Wednesday August 27, 1913

I 37828

No.	Int.	Class.	
✓ 28	1	K_0	
✓ 29	10	A_2	
✓ 30	2	A_0	
✓ 31	2	K_5	
✓ 32	1	A_2	
33	3	A	E
✓ 34	1	A	
✓ 35	2	K_0	
✓ 36	2	A_5	
✓ 37	10	B8	Burned out
✓ 38	1	K_5	
✓ 39	1	A_3	
✓ 40	2	F_0	
✓ 41	5	K_2	
✓ 42	3	F_5	
✓ 43	1	K_0	
✓ 44	3	A_0	
✓ 45	4	F_5	
✓ 46	3	K_2	
✓ 47	2	K_5	
✓ 48	1	K	
✓ 49	1	F8	
✓ 50	1	K_5	
✓ 51	1	F_5	
✓ 52	3	K_0	
✓ 53	2	F_5	
✓ 54	3	K_0	

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1913phae..proj..2153C

28	+30°	3200	18	20.1	+30	57.7	8.5 ✓
29	+29°	3259	18	20.4	+29	44.9	6.1 ✓
30	+29°	3264	18	22.8	+29	55.8	8.4 ✓
31	+29°	3269	18	23.6	+29	27.6	7.7 ✓
32	+29°	3271	18	23.9	+29	49.9	8.5 ✓
33	+28°	3013	18	25.4	+28	24.4	7.5 ✓
34	~~+29~~ +30°	3226	18	27.7	+30	3.4	8.2 ✓
35	+32°	3152	18	28.5	+32	2.1	8.3 ✓
36	+31°	3297	18	29.1	+31	36.3	8.4 ✓
37	+33°	3154	18	31.3	+33	21.0	5.8 ✓
38	+33°	3156	18	31.6	+33	6.9	8.3 ✓
39	+31°	3177	18	2.6	+31	29.4	8.8 ✓
40	+31°	3180	18	3.1	+31	26.2	8.0 ✓
41	+33°	3062	18	11.8	+33	28.7	7.2 ✓
42	+32°	3095	18	13.5	+32	59.6	7.7 ✓
43	+33°	3073	18	13.9	+33	10.2	8.0 ✓
44	+33°	3078	18	15.1	+33	43.7	8.0 ✓
45	+32°	3104	18	15.9	+32	50.2	7.3 ✓
46	+32°	3106	18	16.0	+32	51.9	7.4 ✓
47	+32°	3109	18	16.4	+32	12.7	7.5 ✓
48	+32°	3111	18	16.6	+32	26.5	8.2 ✓
49	+32°	3112	18	16.7	+32	50.9	8.3 ✓
50	+33°	3091	18	17.3	+33	11.6	8.5 ✓
51	+33°	3096	18	19.4	+33	44.7	8.4 ✓
52	+33°	3095	18	19.4	+33	6.1	8.1 ✓
53	+33°	3099	18	20.7	+33	4.7	8.5 ✓
54	+31°	3271	18	21.8	+31	54.1	7.8 ✓

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1913phae.proj.2153C

Wednesday August 27. 1913

I 37828

	No.	Int.	class.	Remark
✓	55	2	K0	
✓	56	2	Mt	
✓	57	2	A2	
✓	58	1	K	
✓	59	5	A0	
✓	60	5	A0	
✓	61	4	B9	
✓	62	2	K0	
✓	63	4	K0	
✓	64	1	K5	
✓	65	2	A2	
✓	66	1	F	
✓	67	1	K	
✓	68	1	K5	
✓	69	1	K0	
✓	70	1	K5	
✓	71	10	K0	
✓	72	3	F8	
✓	73	2	F8	
✓	74	1	K2	
✓	75	1	K0	
✓	76	2	F8	
✓	77	1	F	
✓	78	1	F	
✓	79	3	K0	
✓	80	1	K2	
✓	81	1	K	

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1913phae..proj..2153C

55	+32°	3129	18	22.6	+32	21.7	8.5	✓
56	+31°	3272	18	22.3	+31	6.8	7.7	✓
57	+31°	3279	18	24.3	+31	45.4	8.2	✓
58	+31°	3281	18	24.9	+31	30.1	8.3	✓
59	+32°	3143	18	25.7	+32	9.2	7.2	✓
60	+32°	3141	18	25.2	+32	32.7	7.7	✓
61	+32°	3137	18	24.2	+32	39.6	8.2	✓
62	+32°	3134	18	24.1	+32	53.2	8.1	✓
63	+33°	3124	18	26.0	+33	32.1	7.5	✓
64	+33°	3121	18	25.7	+33	49.6	8.2	✓
65	+33°	3126	18	26.5	+33	47.1	8.3	✓
66	+33°	3127	18	26.8	+33	0.9	8.5	✓
67	+33°	3135	18	27.8	+33	15.0	8.5	✓
68	+34°	3262	18	32.0	+34	0.5	8.2	✓
69	+34°	3162	18	10.8	+34	55.6	8.2	✓
70	+34°	3163	18	11.3	+34	45.0	8.4	✓
71	+36°	3094	18	14.8	+36	0.1	4.7	✓
72	+36°	3101	18	17.1	+36	14.0	7.2	✓
73	+35°	3104 ~~3228~~	18	17.6	+35	50.2 ~~2.1~~	7.3 ~~8.4~~	✓
74	+34°	3186	18	16.1	+34	49.2	8.3	✓
75	+33°	3072	18	13.8	+33	59.1	8.9	✓
76	+34°	3178	18	14.0	+34	4.1	8.1	✓
77	+35°	3228	18	17.6	+35	2.1	8.4	✓
78	+34°	3197	18	19.5	+34	52.1	8.5	✓
79	+34°	3191	18	19.0	+34	26.0	7.7	✓
80	+34°	3195	18	19.2	+34	11.5	8.2	✓
81	+34°	3200	18	19.8	+34	57.3	8.2	✓

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1913phae.proj.2153C

Wednesday August 27, 1913

I 37828

No.	Dist.	Class	Remark
✓ 82	4	G5	
✓ 83	1	A2	
✓ 84	1	K2	
✓ 85	3	A0	
✓ 86	1	K0	
✓ 87	2	A0	
✓ 88	3	A0	
✓ 89	3	A2	E
✓ 90	3	Ma	
✓ 91	3	F0	
✓ 92	1	A	
✓ 93	3	A	E.
✓ 94	2	A	
✓ 95	2	A	
✓ 96	6	A	E
✓ 97	3	K2	E
✓ 98	4	B8	E
✓ 99	1	A	
Time 12.30 ✓ 100	3	A0	
101	3	A0	
102	3	A2	
103	4	A5	
104	2	G5	
105	3.4	A5	
106	9.	B5	
107	3	K0	cmt. 144, 58
108	3	F8	

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1913phae.proj.21530

82	+35°	3240	18	20.6	+35	15.5	7.2	✓
83	+34°	3207	18	21.8	+34	35.8	8.3	✓
84	+35°	3250	18	21.5	+35	37.7	8.0	✓
85	+35°	3255	18	22.2	+35	26.4	8.1	✓
86	+36°	3130	18	21.6	+36	4.8	7.7	✓
87	+35°	3252	18	21.9	+35	56.1	8.2	✓
88	+36°	3134	18	22.1	+36	35.0	7.8	✓
89	+37°	3130	18	23.7	+37	9.6	7.5	✓
90	+36°	3157	18	25.5	+36	9.1	7.5	✓
91	+36°	3167	18	27.2	+36	19.5	7.7	✓
92	+36°	3170	18	27.4	+36	33.8	8.3	✓
93	+37°	3156	18	27.9	+37	19.6	7.8	✓
94	+36°	3180	18	29.5	+36	12.8	8.0	✓
95	+34°	3247	18	30.1	+34	47.9	8.7	✓
96	+38°	3159	18	18.9	+38	17.0	7.0	✓
97	+38°	3160	18	19.1	+38	41.3	6.5	✓
98	+38°	3166	18	20.5	+38	21.8	7.5	✓
99	+37°	3120	18	21.9	+37	21.7	7.9	✓
100	+37°	3075	18	14.1	+37	35.1	8.0	✓

Identified on Cards by AMC Feb. 25, 1914
Identified in book by JCM. March 11, 1914
Identification compared, cards + book. G.A.B.

101	+31°	3168	18	1.4	+31	45	8.2	44 on J 37871
102	+32°	3061	18	5.0	+32	20	8.0	~~+02~~ 50 " "
103	+35°	3186	18	8.1	+35	9	7.7	64 " "
104	+37	3008	17	59.9	+37	50	7.8	104 " "
105	+35	3129	17	56.4	+35	3	8.6	111 " "
106	+34	3245	18	30.6	+34	20	6.4	105 on J 37845
107	+34	3238	18	28.9	+34	20	7.5	103 " "
108	+34	3239					7.8	104 " "

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1913phae.proj.2153C

Wednesday August 27, 1913

Time 12.45 I 38504°

No.	Int.	Class	Remarks
✓ 1	1	K0	
✓ 2	1.	K0	
✓ 3	1	K2	
✓ 4	5	a0	
✓ 5	1	K	
✓ 6	2	F5	
✓ 7	6	a2	
✓ 8	1	K0,	
✓ 9	10+	a2	
✓ 10	1	K2	
✓ 11	1 .	K0	
✓ 12	1	K0	
✓ 13	2	G5	
✓ 14	5	F8	
✓ 15	2	K2	
✓ 16	4	F5	
Time 12.50 ✓ 17	3	K5	
" ~~3.03~~ 4.23 ✓ 18	2		Look up
✓ 19	3	F5	
✓ 20	7	a3	
✓ 21	4	K5	
✓ 22	10	a2	
✓ 23	10	a3	
✓ 24	3	a2	
✓ 25	2	a0	
✓ 26	3	K5	
✓ 27	1	K0	

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1913phae.proj.2153C

1	+39°	3369	18	11.3	+39	20.4	7.8 ✓
2	+40°	3331	18	12.4	+40	12.0	8.4 ✓
3	+39°	3380	18	14.2	+39	12.5	7.5 ✓
4	+39°	3383	18	15.0	+39	2.4	7.4 ✓
5	+39°	3385	18	15.1	+39	32.4	7.8 ✓
6	+39°	3391	18	15.8	+39	48.9	8.0 ✓
7	+40°	3350	18	17.7	+40	19.2	7.5 ✓
8	+39°	3402	18	17.9	+39	11.8	7.3 ✓
9	+39°	3410	18	19.5	+39	25.8	5.1 ✓
10	+39°	3414	18	20.8	+39	2.5	7.8 ✓
11	+39°	3419	18	21.9	+39	4.2	8.1 ✓
12	+38°	3186	18	23.7	+38	40.3	7.7 ✓
13	+38°	3211	18	27.9	+38	45.4	8.2 ✓
14	+38°	3213	18	28.0	+38	44.0	6.8 ✓
15	+38°	3219	18	29.3	+38	19.7	7.3 ✓
	+37°	3176	18	31.3	+37	55.5	7.0
16	~~+40°~~	~~3496~~	~~18~~	~~44.5~~	~~+40~~	~~24.4~~	~~8.3~~ ✓
17	+37°	3180	18	32.6	+37	39.4	7.0 ✓
18	+37°	3183	18	33.0	+37	18.6	8.0 ✓
19	+37°	3196	18	34.8	+37	51.8	7.5 ✓
20	+38°	3254	18	35.3	+38	14.0	7.2 ✓
21	+39°	3505	18	38.4	+39	9.5	6.5 ✓ +39°3504 magn. 9.5 sup. o.p.
22	+39°	3509	18	39.5	+39	31.3	4.3 ✓
23	+39°	3510	18	39.6	+39	27.6	4.6 ✓
24	+38°	3278	18	39.7	+38	55.4	7.7 ✓
25	+38°	3271	18	38.3	+38	13.6	8.3 ✓
26	+38°	3276	18	39.2	+38	23.0	7.0 ✓
27	+38°	3280	18	40.3	+38	10.2	7.5 ✓

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1913phae.proj.2153C

Wednesday August 27, 1913

I 3850Å

No.	Int.	Class	Remark
✓ 28	10	a2	
✓ 29	7	a5	Partly superposed on 28
✓ 30	1	b5	
✓ 31	1	K0	
✓ 32	3	F8	
✓ 33	5	a0	
✓ 34	2	K0	
✓ 35	1	K2	
✓ 36	1	a5	
✓ 37	2	a3	
✓ 38	4	K2	
✓ 39	5	F5	
✓ 40	3	F0	
✓ 41	1	K0	
✓ 42	3	K0	
✓ 43	4	F5	
✓ 44	1	K	
✓ 45	4	a2	
✓ 46	4	a0	
✓ 47	6	a0	
✓ 48	6	mb	
✓ 49	2	a0	
✓ 50	1	K0	
✓ 51	7	a0	
✓ 52	4	a0	
✓ 53	2	a0	
✓ 54	6	F0	Another star superposed at north-

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1913phae..proj..2153C

28	+37°	3222	18	39.8 +37	27.7	4.5 ✓
29	+37°	3223	18	39.8 +37	26.8	5.5 ✓
30	+38°	3292	18	41.6 +38	12.2	8.1 ✓
31	+37°	3239	18	43.4 +37	39.7	7.8 ✓
32	+39°	3551	18	45.8 +39	10.3	7.1 ✓
33	+39°	3553	18	46.6 +39	8.8	6.7 ✓
34	+41°	3035	18	17.3 +41	8.6	7.3 ✓
35	+42°	3071	18	19.6 +42	2.9	8.5 ✓
36	+41°	3056	18	22.5 +41	23.6	8.7 ✓
37	+41°	3064	18	24.9 +41	21.2	8.4 ✓
38	+40°	3394	18	25.9 +40	52.6	7.0 ✓
39	+41°	3075	18	26.3 +41	0.3	6.9 ✓
40	+40°	3395	18	26.1 +40	23.7	7.5 ✓
41	+40°	3403	18	26.9 +40	15.7	7.8 ✓
42	+40°	3409	18	28.5 +40	25.4	6.5 ✓
43	+40°	3411	18	28.5 +40	2.9	6.6 ✓
44	+39°	3455	18	28.7 +39	27.2	8.3 ✓
45	+40°	3423	18	30.9 +40	12.2	7.3 ✓
46	+39°	3463	18	30.3 +39	24.9	7.7 ✓
47	+38°	3229	18	30.5 +38	47.1	7.3 ✓
48	+39°	3476	18	33.3 +39	32.8	6.5 ✓
49	+39°	3479	18	33.7 +39	17.7	7.8 ✓
50	+39°	3485	18	35.0 +39	59.1	7.7 ✓
51	+40°	3446	18	34.9 +40	48.2	6.2 ✓
52	+41°	3116	18	36.4 +41	47.9	7.0 ✓
53	+41°	3117	18	36.9 +41	15.5	7.8 ✓ ✓
54	+40°	3459	18	37.0 +40	35.0	6.8 +40° 3461 magn. 8.2 sup. at mill.

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1913phae.proj.2153C

Wednesday August 27. 1913

I 38500

No	Int	Class	Remark
✓ 55	1	G5	
✓ 56	1	F0	
✓ 57	1	K0	
✓ 58	8.	B9	
✓ 59	2	A2	
✓ 60	1.	K5	
✓ 61	2	A3	
✓ 62	1	K2	
✓ 63	2	F8	
✓ 64	5	F5	
✓ 65	6	A0	
✓ 66	4	K0	
✓ 66a	4	A5	
June 4.35 ✓ 67	8	A5	
~~66~~			
~~69~~			
~~70~~			
68	5	K0	
" 69	8.3	K0	
70	3	G0	
71	2	K2	
72	3	A2	

cmh. 137, 16

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1913phae..proj..2153C

55	+40°	3458	18	36.7	+40	20.1	8.0 ✓
56	+39°	3498	18	37.1	+39	51.2	8.8 ✓ +39° 3497 magn. 9.1 sup. on preced
57	+39°	3502	18	37.9	+39	45.8	8.4 ✓
58	+41°	3137	18	41.6	+41	17.1	6.0 ✓
59	+41°	3140	18	41.8	+41	32.0	7.8 ✓
60	+41°	3143	18	42.8	+41	52.9	7.7 ✓
61	+40°	3496	18	44.5	+40	24.4	8.3 ✓
62	+40°	3497	18	45.1	+40	34.0	7.7 ✓
63	+41°	3092	18	30.1	+41	27.8	8.0 ✓
64	+41°	3096	18	30.7	+41	27.1	6.8 ✓
65	+41°	3100	18	31.6	+41	9.6	6.8 ✓
66	+42°	3116	18	31.5	+42	55.8	7.3 ✓
66a	+40°	3425	18	30.9	+40	38.9	6.8 ✓
67	+43°	3027	18	32.3	+43	6.4	6.0 ✓

Identn. on cards by A.M.C. April 10, 1915
Identn. in Book by M.A.H. April 16, 1915
Identification compared by S.R.B. April 16, 1915

✓	68	+38°	3085	18	4.9	+38	28	6.7	88 m ✓37871
✓	69	+38	3113	18	8.2	+38	46	6.0	103 " "
✓	70	+40°	3340	18	14.4	+40	51	7.5	47 " ✓37844
✓	71	+42°	3065	18	17.5	+42	12	7.3	92 " "
✓	72	+39°	3339	18	15	+39	3	7.8	84 m ✓37871

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1913phae.proj.2153C

Wednesday August 27. 1913

I 37997

Time	No.	Dist.	Class	Remarks
4.35	✓ 1	4	A3	
	✓ 2	2	A	Too much superposed on 3
	✓ 3	2	K0	
	✓ 4	4	G5	
	✓ 5	3	A2	
	✓ 6	2	K2	
	✓ 7	1	K0	
	✓ 8	1	A2	
	✓ 9	2	F8	
	✓ 10	3	K2	
	✓ 11	3	A2	
	✓ 12	2	A0	
	✓ 13	1	K0	
	✓ 14	6	A5	
	✓ 15	2	A2	
	✓ 16	2	F0	
	✓ 17	1	F5	
	✓ 18	1	G5	
	✓ 19	1	G5	
	✓ 20	3	K0	
	✓ 21	2	F5	
	✓ 22	3	A5	
	✓ 23	2	K5	
	✓ 24	1	K0	
	✓ 25	5	G0	
	✓ 26	2	F2	
	✓ 27	1	G5	

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1913phae..proj..2153C

1	+43°	2984	18	23.9	+43	50	7.7 ✓	
2	+44°	2905	18	24.0	+44	2	7.7 ✓	
3	+44°	2906	18	24.0	+44	10	7.2 ✓	
4	+43°	2989	18	24.7	+43	50	7.0 ✓	
5	+43°	3000	18	27.3	+43	55	8.0 ✓	
6	+43°	3005	18	28.5	+43	58	7.8 ✓	
7	+43°	2994	18	25.8	+43	14	8.5 ✓	+43° 2992 sup 8.8
8	+42°	3083	18	28.7	+42	58	8.4 ✓	
9	+43°	3008	18	28.9	+43	20	8.7 ✓	
10	+43°	3025	18	32.1	+43	40	7.6 ✓	
11	+43°	3029	18	32.7	+43	47	8.1 ✓	+43° 3028 sup. 9.5
12	+44°	2935	18	31.8	+44	20	8.4 ✓	
13	+44°	2939	18	32.3	+44	12	8.3 ✓	+44° 2941 sup. 8.3
14	+44°	2963	18	36.7	+44	8	7.5 ✓	
15	+43°	3044	18	36.4	+43	17	8.7 ✓	
16	+43°	3047	18	37.2	+43	24	7.3 ✓	
17	+42°	3135	18	36.3	+42	50	8.3 ✓	
18	+42°	3123	18	33.5	+42	33	8.5 ✓	
19	+42°	3131	18	35.6	+42	56	8.0 ✓	
20	+43°	3058	18	40.2	+43	41	7.3 ✓	
21	+44°	2986	18	40.6	+44	13	7.8 ✓	
22	+43°	3066	18	41.8	+43	59	7.8 ✓	+43° 3069 sup. 8.0
23	+43°	3072	18	42.0	+43	24	7.0 ✓	
24	+42°	3148	18	40.1	+42	23	8.0 ✓	
25	+44°	2973	18	38.7	+44	47	6.8 ✓	+44° 2974 sup. 9.0
26	+44°	2983	18	40.1	+44	44	7.8 ✓	
27	+44°	2971	18	38.1	+44	7	8.0 ✓	

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1913phae.proj.2153C

Wednesday August 27, 1913

I 37997

No.	Int.	class	Remarks
✓ 28	2	F0	
✓ 29	4	F2	
✓ 30	1	F	
✓ 31	2	A0	
✓ 32	2	A3	
✓ 33	1	K0	
✓ 34	2	A0	
✓ 35	1	K2	
✓ 36	1	K	
✓ 37	5	A0	
✓ 38	7	A2	
✓ 39	3	K2	
✓ 40	3	A0	
✓ 41	4	A0	
✓ 42	3	F2	
✓ 43	2	F5	
✓ 44	1	F0	
✓ 45	1	G5	
✓ 46	1	K0	
✓ 47	5	F0	
✓ 48	3	K0	
✓ 49	4	K0	
✓ 50	3	K5	
✓ 51	5	K0	
✓ 52	8	A0	
✓ 53	2	G0	
✓ 54	3	A0	

Venus 4.47
Aug 28, 1913
Thursday Venus 10.05

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1913phae..proj..21530

28	+45°	2747	18	33.1	+45	32	8.0	✓
29	+46°	2516	18	33.5	+46	1	7.2	✓
30	+45°	2751	18	35.3	+45	14	8.3	✓
31	+45°	2761	18	37.4	+45	41	7.8	✓
32	+45°	2762	18	37.5	+45	47	7.5	✓
33	+46°	2537	18	38.1	+46	16	8.3	✓
34	+46°	2540	18	39.8	+46	4	8.3	✓
35	+45°	2764	18	39.7	+45	36	7.7	✓
36	+45°	2765	18	40.1	+45	58	8.6	✓
37	+45°	2769	18	40.9	+45	58	7.8	✓
38	+47°	2681	18	38.9	+47	26	6.3	✓
39	+47°	2684	18	40.0	+47	28	6.6	✓
40	+47°	2667	18	33.7	+47	51	7.5	✓
41	+46°	2484	18	21.3	+46	49	7.3	✓
42	+46°	2490	18	22.4	+46	43	8.0	✓ +46° 2489 mp. 9.3
43	+46°	2481	18	20.9	+46	11	8.0	✓
44	+45°	2713	18	21.8	+45	44	8.0	✓
45	+45°	2716	18	22.6	+45	59	8.2	✓
46	+45°	2722	18	23.7	+45	58	7.7	✓ +45° 2723 mp. 9.1
47	+46°	2494	18	24.5	+46	20	6.5	✓
48	+45°	2728	18	25.3	+45	53	7.0	✓
49	+45°	2732	18	27.6	+45	53	6.8	✓
50	+45°	2736	18	28.2	+45	41	6.8	✓
51	+45°	2738	18	28.5	+45	59	6.5	✓
52	+46°	2508	18	29.7	+46	6	6.5	✓
53	+44°	2919	18	27.3	+44	54	7.6	✓
54	+45°	2721	18	23.7	+45	4	7.6	✓

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1913phae.proj.21530

Thursday August 28, 1913

I 37997

No.	Sts.	class	Remark
✓ 55	1	F0	
✓ 56	1	F0	
✓ 57	1	K0	
✓ 58	2	A0	
✓ 59	3	K2	
✓ 60	4	A2	
✓ 61	4	A3	
✓ 62	1	K0	
✓ 63	1	A2	
✓ 64	1	K5	
Time 10.08 ✓ 65	1	K2	
~~66~~			
~~67~~			
~~68~~			
~~69~~			
~~70~~			
~~65~~			
66	7	G0	H5 doing further class
67	2	K0	
68	2	G0	
69	2	G0	
70	2	K5	
71	3	A	Region of brisk K emission +14° 4669
72	4	K2	
73	6	K0	
74	5	Ma	
75	2	K2	

Cont. 141, 208

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1913phae.proj.2153c

55	+44°	2908	18	24.2	+44	38	8.0	✓
56	+44°	2909	18	24.9	+44	49	7.8	✓
57	+47°	2649	18	29.1	+47	21	8.0	✓
58	+47°	2653	18	30.1	+47	0	8.2	✓
59	+47°	2651	18	30.0	+47	45	7.6	✓
60	+48°	2720	18	30.3	+48	14	8.0	✓
61	+48°	2730	18	32.8	+48	44	7.5	✓
62	+47°	2657	18	31.3	+47	19	8.0	✓
63	+47°	2659	18	31.7	+47	9	8.2	✓
64	+47°	2660	18	31.7	+47	1	~~9.3~~ 8.1	✓
65	+46°	2519	18	34.0	+46	41	8.3	✓

Ident. on cards by Anc. Jan. 7, 1915
Ident. in book by J.C.M. Jan. 8, 1915
Identification compared by G.R.B. Jan. 8, 1915

✓	66	+45°	2684	18	12.4	+45	9	6.2	75 on J37844
✓	67	+44°	2884	18	18.3	+44	11	8.5	86 " "
✓	68	+44°	2882	18	17.5	+44	35	8.0	85 " "
✓	69	+47°	2600	18	10.4	+47	11	8.0	✓
✓	70	+48°	2668	18	12.6	+48	19	6.9	145 "
✓	71	+47°	2608	18	12.8	+47	52	8.0	147 "
✓	72	+48°	2669	18	12.8	+48	5	6.7	146 "
✓	73	+47	2776	18	17.5	+47	39	6.5	17 on J38559.
✓	74	+43	2970	18	19.7	+43	50	6.7	88 on J37844
✓	75	+41	3168	18	47.8	+41	58	8.0	99 on J37348

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1913phae.proj.2153C

Thursday, August 28, 1913

Time 10.35 I 38501

No.	Int.	Class	Remark
1	4	a_0	
2	2	a_0	
3	2	a_2	
4	4	a_0	
5	2	K_0	
6	1	a	
7	2	a_0	
8	1	a	
9	1	a_0	
10	2	K_0	
11	2	a_0	
12	1	K	
13	2	a_0	
14	1	K	
15	2	K_0	
16	1	a	
17	1	K_0	
18	1	a	
19	2	a_0	
20	2	F	
21	1	K_0	
22	2	a_0	
23	1	K_2	
24	2	G_0	
25	3	F_2	
26	3	K_0	
27	1	K_2	

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1913phac.proj.21590

1	+28°	3240	19	7.2	+28	59	7.0 ✓
2	+29°	3517	19	7.4	+29	48	8.0 ✓
3	+29°	3514	19	6.8	+29	46	8.2 ✓
4	~~+28°~~ +30°	3464	19	6.7	+30	6	7.4 ✓ Close dble. Only one star in DM. See MC 9581. Both evidently class A. A.J.C.
5	+29°	3506	19	4.9	+29	39	7.7 ✓
6	+29°	3511	19	6.4	+29	29	8.7 ✓
7	+29°	3496	19	3.9	+29	8	8.2 ✓
8	+30°	3470	19	7.2	+30	21	9.0 ✓
9	+32°	3354	19	6.8	+32	0	7.6 ✓
10	+33°	3350	19	5.5	+33	5	7.6 ✓
11	+32°	3346	19	5.3	+32	51	8.5 ✓
12	+33°	3351	19	5.6	+33	38	8.2 ✓
13	+32°	3368	19	9.2	+32	23	8.6 ✓
14	+32°	3365	19	8.6	+32	44	8.5 ✓
15	+34°	3468	19	8.3	+34	40	8.1 ✓
16	+34°	3463	19	7.7	+34	32	9.0 ✓
17	+33°	3403	19	12.8	+33	53	8.3 ✓
18	+29°	3542	19	11.5	+29	34	8.7 ✓
19	+29°	3489	19	3.2	+29	49	8.4 ✓
20	+28°	3227	19	5.3	+28	14	8.2 ✓
21	+30°	3413	19	0.5	+30	13	8.2 ✓
22	+29°	3525	19	8.9	+29	~~31~~ 30	~~8.8~~ 8.6 ✓ +29° +13525 enf.
23	+29°	3529	19	9.3	+29	17	8.0 ✓
24	+28°	3260	19	9.9	+28	53	8.1 ✓
25	+28°	3275	19	11.5	+28	32	8.2 ✓
26	+29°	3453	19	57.0	+29	5	7.8 ✓
27	+29°	3457	19	57.6	+29	49	7.8 ✓

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1913phae.proj.2153C

Thursday August 28. 1913

I 38501

No.	Int.	Class	
✓ 28	2	A3	
✓ 29	1	K0	
✓ 30	2	A0	
✓ 31	1	A	Partly superposed on 30
June 10.45 ✓ 32	2	A	
33			
34			
35			
36			
33	8	A0	
34	9	A5	
35	3	A0	
36	3	K5	
37	~~3~~ 3	A3	
38	5	Ma	
39	4	A0	
40	2	G5	
41	1	K5	
42	2	A0	
43	1	K5	
44	7	K5	
45	6	G5	H δ strong for this class
46	3	B9	
47	3	A	Completely superposed
48		A	
49	7	G0	Completely superposed
50		A	

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1913phae.proj.2153C

28	+29°	3445	18	55.8	+29	5	8.2	✓	
29	+28°	3147	18	54.6	+28	29	7.7	✓	
30	+27°	3240	18	59.8	+27	11	8.0	✓	
31	+27°	3241	18	59.8	+27	4	8.0	✓	
32	+27°	3248	19	1.2	+27	32	8.6	✓	

Ident. on cards by A.H.C. April 10, 1915
Ident. in book by J & M. April 20, 1915.
Identification compared by E.R.B. April 21, 1915

✓	33	+31°	3497	19	6.2	+31	3	6.0	(on I 37885
✓	34	+28	3193	19	0.9	+28	24	5.7	15-1 on I 37848
✓	35	+27	3235	18	57.2	+27	58	7.6	150 " "
✓	36	+29°	3472	19	0.1	+29	42	6.5	92 on I 37845
✓	37	+29°	3483	19	2.3	+29	34	8.0	94 " "
✓	38	+30°	3409	18	59.4	+30	31	6.5	91 " "
✓	39	+28°	3186	19	0.2	+28	53	8.0	93 " "
	40	+30°	3425	19	1.9	+30	1	7.8	✓
	41	+30°	3429	19	2.5	+30	24	7.8	✓
✓	42	+31°	3448	18	58.8	+31	9	8.2	89 on I 37845
✓	43	+31°	3445	18	57.9	+31	28	8.5	90 " "
✓	44	+31°	3424	18	54.5	+31	57	5.8	70 " "
✓	45	+34°	3439	19	3.8	+34	22	6.5	180 " "
✓	46	+31°	3485	19	5.2	+31	5	8.0	100 " "
	47	+28°	3146	18	54.5	+28	52	8.1	
	48	+28°	3147		54.6	+28	56	8.4	
	49°	+33°	3257	18	49.6	+33	47	7.0	15-6 on D 37845
	50	+33°	3256	18	48.6	+33	48	8.7	

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1913phae.proj.2153C

Thursday, August 28, 1913

Time 10.55 J. I 38509

No.	Dist.	Class	Remarks
1	3	A2	
2	3	F8	
3	7	B9	
4	7	F8	
5	2	A2	
6	6	B8	
7	2	G5	
8	3	F8	
9	3	A0	
10	3	A3	
11	1	F	
12	2	K0	
13	2	A0	
14	7	B8	
15	2	K0	
16	2	A2	
17	2	A2	
18	1	A0	
19	1	A2	
20	2	A0	
21	2	K2	
22	1	A	
23	10+	A	Partly superposed on 24
24	10+	A	" " " 23
25	1	A5	
26	1	A5	
27	2	A3	

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1913phae..proj..2153C

1	+26°	3496	19	8.9	+26	28.6	8.2 ∧ ✓
2	+26°	3504	19	10.3	+26	36.4	7.5 ∧ ✓
3	+27°	3313	19	10.1	+27	11.8	7.0 ∧ ✓
4	+27°	3314	19	10.2	+27	40.1	6.2 ∧ ✓
5	+28°	3268	19	10.4	+28	1.5	8.1 ∧ ✓
6	+27°	3307	19	9.2	+27	42.2	7.2 ∧ ✓
7	+28°	3260	19	9.9	+28	52.6	8.1 ∧ ✓
8	+28°	3275	19	11.5	+28	31.7	8.2 ∧ ✓
9	+28°	3293	19	14.2	+28	18.1	8.1 ∧ ✓
10	+27°	3348	19	14.3	+27	38.4	7.9 ∧ ✓
11	+27°	3357	19	15.8	+27	9.9	8.5 ∧ ✓
12	+26°	3534	19	16.7	+26	53.2	8.0 ∧ ✓
13	+27°	3369	19	17.8	+27	41.7	8.6 ∧ ✓
14	+27°	3379	19	18.6	+27	48.4	7.0 ∧ ✓
15	+28°	3319	19	18.6	+28	17.4	7.5 ∧ ✓
16	+28°	3331	19	20.3	+28	21.3	8.3 ∧ ✓
17	+29°	3597	19	21.0	+29	11.6	8.5 ∧ ✓
18	+29°	3595	19	20.8	+29	38.3	9.0 ∧ ✓
19	+29°	3608	19	22.5	+29	23.9	8.5 ∧ ✓
20	+28°	3352	19	22.8	+28	11.2	8.7 ∧ ✓
21	+28°	3363	19	24.1	+28	25.8	8.2 ∧ ✓
22	+28°	3353	19	22.9	+28	31.9	8.8 ∧ ✓
23	+27°	3410	19	24.9	+27	39.3	3.0 ∧ ✓
24	+27°	3411	19	24.9	+27	39.6	6.5 ∧ ✓
25	+27°	3413	19	25.3	+27	1.8	8.7 ∧ ✓
26	+26°	3570	19	24.6	+26	56.3	8.6 ∧ ✓
27	+27°	3425	19	26.5	+27	36.1	8.7 ∧ ✓

Cards made out

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1913phae.proj.2153C

Thursday August 28, 1913

I 38509

No.	Int.	Class	Remark
28	5	a_0	
29	4	F_0	
30	1	a	
31	1	a	
32	2	a_2	
33	1	K_0	
34	2	a_0	
35	2	K_2	
36	2	a_0	
37	2	a_2	
38	2	a_0	
39	Q 2	O	$H\gamma = 10 \cdot 4686 = 5$ $H\beta = 10$ $H\delta = 2$ line nearly $= 2$
40	1	a_0	
41	2	K_2	
42	2	a_0	
43	4	B_9	
44	1	a	
45	1	a	
46	2	a_0	
47	1	K_2	
48	2	a_0	
49	2	K_0	
50	1	K_0	
51	5	G_0	
52	2	a_0	
53	2	F_0	
54	1	G_5	

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1913phae..proj..2153C

28	+27°	3421	19	26.3	+27	57.9	8.0 1✓
29	+28°	3373	19	25.7	+28	24.9	8.2 1✓
30	+28°	3370	19	25.4	+28	10.4	8.8 1✓
31	+29°	3620	19	24.9	+29	36.5	9.0 1✓
32	+30°	3605	19	25.2	+30	7.8	8.3 1✓
33	+30°	3603	19	25.0	+30	17.3	7.5 1✓
34	+30°	3611	19	26.1	+30	0.7	8.8 1✓
35	+29°	3628	19	26.2	+29	53.1	8.0 1✓
36	+29°	3629	19	26.4	+29	28.6	8.8 1✓
37	+30°	3629	19	27.9	+30	0.6	8.7 1✓
38	+30 +29°	3632 ~~3688~~	19	28.3 ~~34.1~~	30 +~~29~~	26.8 ~~2.0~~	9.0 ~~8.9~~ 1✓
39	+30°	**3639** ~~3631~~	**19** 19	**29.1** ~~28.7~~	**+30** +30	**12.6** ~~15.3~~	**9.3** ~~9.5~~ ✓
40	+28°	3397	19	28.8	+28	59.3	8.8 1✓
41	+28°	3399	19	28.9	+28	50.4	8.2 1✓
42	+28°	3404	19	29.4	+28	24.3	8.7 1✓
43	+28°	3392	19	28.4	+28	6.1	8.1 1✓
44	+28°	3379	19	27.3	+28	12.6	8.9 1✓
45	+28°	3378	19	27.3	+28	31.6	8.8 1✓
46	+27°	3430	19	27.4	+27	25.5	8.5 1✓
47	+27°	3437	19	29.5	+27	32.1	8.5 1✓
48	+27°	3438	19	29.6	+27	35.3	8.7 1✓
49	+27°	3444	19	30.8	+27	33.4	7.8 1✓
50	+27°	3446	19	31.3	+27	52.1	8.4 1✓
51	+28°	3412	19	31.4	+28	10.9	7.1 1✓
52	+28°	3416	19	31.7	+28	11.9	8.7 1✓
53	+27°	3454	19	33.7	+27	48.7	8.5 1✓
54	+27°	3461	19	34.9	+27	23.3	8.0 1✓

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Thursday August 28, 1913

I 38509

No.	Qual.	Class	Remark
55	2	F5	
56	2	A0	
57	1	K0	
58	2	A2	
59	3	F5	
60	2	F5	
61	2	A0	
62	2	A2	
63	2	K0	
64	1	G5	
65	1	A0	
66	2	A0	
67	1	A0	
68	2	A2	
69	3	A0	
70	2	A0	
71	5	A0	
72	[illegible]	A0	
73	2	A5	
74	2	A	
75	2	A0	
76	1	Ma	
77	5	A0	
78	1	G5	
79	7	B8	
80	5	G0	
81	5	A0	

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1913phae..proj..2153C

55	+27°	3462	19	35.0	+27	26.0	8.2 1✓
56	+26°	3631	19	34.1	+26	52.2	8.9 1✓
57	+28°	3428	19	34.0	+28	35.6	8.4 1✓
58	+29°	3688	19	34.1	+29	2.0	8.9 1✓
59	+29°	3702	19	36.4	+29	9.2	8.0 1✓
60	+28°	3445	19	36.7	+28	0.0	8.4 1✓
61	+27°	3482	19	37.0	+27	42.5	8.6 1✓
62	+27°	3490	19	38.0	+27	59.8	8.5 1✓
63	+27°	3491	19	38.0	+27	5.6	8.0 1✓
64	+25°	3895	19	31.3	+25	49.6	8.2
		~~3900~~	~~19~~	~~32.0~~	~~+25~~	~~41.3~~	~~7.5~~ ✓
65	+24°	3825	19	33.0	+24	56.3	8.7 1✓
66	+29°	3721	19	39.0	+29	24.9	8.2 1✓
67	+29°	3722	19	39.2	+29	24.9	8.6 1✓
68	+29°	3724	19	39.3	+29	14.5	8.1 1✓
69	+29°	~~3738~~ 3740	19	41.1	+29	10.8	8.4 1✓
70	+28°	3480	19	42.1	+28	48.5	8.7 1✓
71	+29°	3754	19	42.9	+29	7.7	7.7 1✓
72	+30°	3736	19	41.1	+30	5.3	8.4 1✓
73	+30°	3725	19	39.7	+30	27.4	8.4 1✓
74	+30°	3732	19	40.3	+30	35.6	8.4 1✓
75	+30°	3729	19	40.3	+30	1.0	8.6 1✓
76	+29°	3730	19	40.0	+29	54.3	8.3 1✓
77	+28°	3486	19	43.5	+28	13.0	8.0 1✓
78	+28°	3488	19	43.6	+28	14.4	8.4 1✓
79	+28°	3493	19	44.1	+28	4.6	6.8 1✓
80	+27°	3523	19	43.2	+27	22.5	7.0 1✓
81	+27°	3517	19	42.2	+27	20.5	7.5 1✓

cards made out

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Thursday August 28, 1913

I 38509

No.	Exs.	Class	Remark
82	5	$b5$	
83	5	$b5$	
84	1	a	
85	1	a	
86	1	Ko	
87	2	$a5$	
88	1	$b5$	
89	1	a	
90	1	a	
91	1	a	Another star superposed a small
92	1	Ko	
June 11.17 93	1	$b5$	
~~94~~			
93a	5	F5 K2	Excellent. ~~Comparison~~ Both sp. seen
94	2	Ao	
95	2	F5	
96	7	F8	
97	3	Ao	
98	2	Fo	
99	6	A3	
100	2	A5	
101	1	K5	
102	2	Ao	
103	1	Ko	

cmh. 137, 32

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1913phae.proj.2153C

82	+27°	3516	19	42.1	+27	29.9	7.2 1 ⌣
83	+26°	3678	19	44.0	+26	43.3	7.0 1 ⌣
84	+25°	3968	19	41.6	+25	55.6	8.4 1 ⌣
85	+26°	3662	19	39.9	+26	16.9	8.9 1 ⌣
86	+27°	3518	19	42.3	+27	58.1	8.4 1 ⌣
87	+27°	3522	19	43.2	+27	49.4	8.0 1 ⌣
88	+28°	3478	19	41.6	+28	7.6	8.3 1 ⌣
89	+28°	3473	19	40.5	+28	17.2	8.7 1 ⌣
90	+27°	3507	19	40.1	+27	58.8	8.7 1 ⌣
91	+31°	363[illegible]	19	25.0	+31	34.3 ~~40.2~~	8.4 ~~7.5~~ 1 ⌣ ~~+31° 36 30 Stephanid~~ ~~magn 8.0~~
92	+31°	3610	19	23.2	+31	2.4	7.8 1 ⌣
93	+31°	3608	19	23.1	+31	2.8	8.1 1 ⌣

Identified by A.M.C. Oct. 30, 1913
Checked. Nov. 12. 1913 E.D.W.
Cards made out by E.R.B.
Cards from No 57 checked by A.M.C.

⌣	93a	+26°	3527 28	19	14.2	+26	23 24	7.5 >15 — 111 mi 13 7829
⌣	94	+26°	3559	19	21.8	+26	50	8.5 164 " "
⌣	95	+25°	3843	19	21.8	+25	55	8.5 166 " "
⌣	96	+24°	3737	19	19.4	+24	39	6.1 117 " "
⌣	97	+27°	3397	19	22.4	+27	37	8.2 170 " "
⌣	98	+27°	3404	19	23.3	+27	38	8.0 171 " "
⌣	99	+26°	3594	19	29.1	+26	54	6.9 173 " "
⌣	100	+26°	3603	19	30.2	+26	55	8.4 175 " "
⌣	101	+25°	3884	19	29.2	+25	41	8.2 140 " "
⌣	102	+25°	3891	19	30.0	+25	14	8.3 142 " "
⌣	103	+26°	3646	19	36.2	+26	51	8.3 152 " "

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1913phae.proj.2153C

Thursday August 28, 1913

Time 11.25 J. I 38523

No.	Dist.	Class.	Remark
✓ 1	1	G	
✓ 2	1	K	
✓ 3	2	K0	
✓ 4	2	A3	
✓ 5	1	A0	
✓ 6	2	A0	Another star superposed at north.
✓ 7	2	A2	
✓ 8	2	A2	
✓ 9	7	A0	
✓ 10	1	A2	
✓ 11	3	A0	
✓ 12	1	K0	
✓ 13	3	A2	
✓ 14	2	F5	
✓ 15	3	A0	
✓ 16	5	B8	
✓ 17	6	A0	
✓ 18	2	A3	
✓ 19	3	A0	
✓ 20	1	A	
✓ 21	2	K2	
✓ 22	2	A0	
✓ 23	2	A5	
✓ 24	2	A0	
✓ 25	1	A	
✓ 26	2	A2	
✓ 27	5	F5	

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1913phae.proj.2153C

1	+20°	4038	18	58.7	+20	25	8.2 ✓
2	+21°	3657	18	58.8	+21	1	7.7 ✓
3	+20°	4055	19	1.1	+20	13	7.7 ✓
4	+19°	3919	19	1.5	+19	38	7.3 ✓
5	+20°	4061	19	2.6	+20	9	8.5 ✓
6	+20°	4069	19	4.5	+20	57	7.4 ✓ +21° 3683 sup. 8.0
7	+21°	3686	19	5.1	+21	1	7.6 ✓
8	+20°	4076	19	6.0	+20	59	7.9 ✓
9	+21°	3690	19	6.4	+21	18	6.0 ✓
10	+21°	3695	19	6.9	+21	40	8.2 ✓
11	+22°	3617	19	5.3	+22	9	7.5 ✓
12	+22°	3613	19	4.4	+22	29	8.2 ✓
13	+23°	3593	19	6.4	+23	13	8.0 ✓
14	+24°	3677	19	6.7	+24	20	8.0 ✓
15	+24°	3682	19	7.6	+24	47	8.5 ✓
16	+24°	3687	19	8.3	+24	46	7.4 ✓
17	+25°	3756 → 7	19	7.8 → 9	+25	32 → 1	~~9.3~~ 6.9 ✓
18	+26°	3477	19	5.8	+26	1	7.5 ✓
19	+26°	3476	19	5.7	+26	2	7.7 ✓
20	+24°	3668	19	5.3	+24	55	8.5 ✓
21	+20°	4090	19	9.6	+20	3	7.7 ✓
22	+20°	4095	19	10.6	+20	18	8.3 ✓
23	+19°	3972	19	11.7	+19	57	8.0 ✓
24	+19°	3976	19	13.1	+19	28	8.0 ✓
25	+19°	3978	19	13.7	+19	7	8.6 ✓
26	+18°	4037	19	14.1	+18	49	8.0 ✓
27	+18°	4043	19	14.6	+18	52	6.8 ✓

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1913phae.proj.2153C

Thursday August 28, 1913

T38523

No.	Dur	Class	Remark.
✓ 28	2s	Ao	
✓ 29	2	F8	
✓ 30	2s	A2s	
June 11, 35 ✓ 31	4	Ao	
~~32~~			

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1913phae.proj.2153C

28	+19°	3991	19	15.3	+19	33	8.0	✓
29	+19°	3996	19	16.8	+19	6	7.6	✓
30	+18°	4055	19	17.8	+18	28	7.3	✓
31	+17°	3943	19	15.6	+17	29	7.0	✓

Ident. on cards by AMC. April 12, 1915
Ident. in book by JCM. April 20, 1915
Identification compared by S.R.B. April 21, 1915

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1913phae.proj.2153C

Thursday, August 28, 1913

Time 11.40 ~ I ~~37931~~ I 38506

No.	Int.	Class	Remark.
1	3	F0	
2	1	K	
3	2	G0	
4	2	A0	
5	6	A0	
6	2	K0	
7	1	F0	
8	1	K0	
9	2	A0	
10	1	A0	
11	1	K0	
12	2	A0	
13	1	A2	
14	2	K0	
15	3	F5	
16	5	A0	
17	2	A	Nearly all superposed on 18
18	3	A0	
19	4	A0	
20	8	K0	
21	2	K2	
22	2	A2	
23	2	A0	E
24	3	G5	E
25	3	Mb	E
26	3	A0	E
27	4	K0	E

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1913phae.proj.2153C

1	+8°	4112	19	21.6	+8	34.2	7.5	∧
2	+8°	4116	19	23.3	+8	59.1	8.5	∧
3	+9°	4124	19	23.6	+9	19.1	8.5	∧
4	+8°	4129	19	24.9	+8	51.4	8.5	∧
5	+9°	4139	19	25.3	+9	2.2	7.0	∧
6	+9°	4138	19	25.3	+9	30.7	7.7	∧
7	+9°	4141	19	25.5	+9	17.1	8.0	∧
8	+9°	4145	19	26.0	+9	35.0	8.2	∧
9	+9°	4146	19	26.2	+9	39.9	8.3	∧
10	+9°	4149	19	26.9	+9	50.2	8.7	∧
11	+8°	4144	19	27.0	+8	52.4	8.3	∧
12	+8°	4140	19	26.4	+8	31.0	8.6	∧
13	+8°	4137	19	26.0	+8	18.1	9.0	∧
14	+7°	4128	19	26.5	+7	54.9	7.8	∧
15	+7°	4122	19	25.6	+7	36.3	8.0	∧
16	+7°	4127	19	26.2	+7	28.1	7.7	∧
17	+7°	4129	19	26.7	+7	31.3	8.1	∧
18	+7°	4130	19	26.8	+7	36.6	7.5	∧
19	+7°	4133	19	27.2	+7	28.7	7.0	∧
20	+7°	4132	19	27.0	+7	4.3	4.8	∧
21	+7°	4116	19	25.0	+7	11.2	7.2	∧
22	+6°	4175	19	24.7	+6	33.4	7.8	∧
23	+6°	4178	19	25.1	+6	12.1	7.7	∧
24	+5°	4177	19	24.6	+5	27.9	7.0	∧
25	+5°	4190	19	26.6	+5	9.3	6.9	∧
26	+5°	4198	19	27.6	+5	54.6	8.2	∧
27	+5°	4209	19	29.1	+5	41.7	7.0	∧

+6° 4174 magn. 8.2 and +6° 4176 perhaps magn. 8.9

+6° N177 19 25.0 +6 12.1 magn. 9.3 sup.

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1913phae.proj.2153C

Thursday August 28, 1913

I 38506

No.	Int.	class	Remark
28	5	a_2	
29	3	a_3	
30	1	a_2	
31	5	a_0	
32	1	a	
33	2	a_2	
34	2	b_5	
35	4	f_2	
36	2	B_9	
37	2	a_0	
38	3	f_8	
39	7	a_3	
40	5	B_3	
41	10	K_5	
42	5	K_0	
43	2	a_2	
44	6	K_0	
45	5	f_5	
46	2	B_5	Line K appears strong for this class.
47	2	K_0	
48	1	K_2	
49	1	K	
50	1	a	
51	8	Comp	$B_2 = f_5$ $f_2 = a_3$
52	5	B_9	
53	2	K_0	
54	2	K_0	

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28	+7°	4151	19	29.7	+ 7	14.1	7.8	∧
29	+8°	4163	19	30.1	+ 8	0.1	8.3	∧
30	+8°	4168	19	31.2	+ 8	35.7	8.6	∧
31	+8°	4169	19	31.2	+ 8	25.7	8.0	∧
32	+8°	4174	19	31.8	+8	50.1	9.2	∧
33	+9°	4187	19	32.0	+ 9	1.5	8.7	∧
34	+9°	4192	19	32.4	+ 9	3.3	8.4	∧
35	+9°	4202	19	33.5	+ 9	26.6	8.2	∧
36	+8°	4182	19	33.5	+ 8	45.4	8.4	∧
37	+9°	4212	19	34.5	+ 9	51.5	8.2	∧
38	+10°	4020	19	34.2	+ 10	20.6	7.7	∧
39	+10°	4032	19	37.8	+ 10	34.0	7.0	∧
40	+10°	4036	19	38.1	+ 10	25.6	8.0	∧
41	+10°	4043	19	39.4	+ 10	15.9	3.0	∧
42	+9°	4233	19	37.1	+ 9	11.1	7.0	∧
43	+8°	4198	19	37.4	+ 8	45.6	8.2	∧
44	+8°	4200	19	37.7	+ 8	23.0	7.0	∧
45	+8°	4190	19	35.8	+ 8	2.3	7.0	∧
46	+8°	4189	19	35.7	+ 8	53.4	8.7	∧
47	+9°	4226	19	36.2	+ 9	8.3	8.4	∧
48	+9°	4227	19	36.3	+ 9	9.3	8.4	∧
49	+9°	4217	19	35.2	+ 9	38.6	8.2	∧
50	+9°	4225	19	36.0	+ 9	25.6	9.0	∧
51	+11°	3955	19	35.7	+ 11	28.9	5.7	∧
52	+11°	3954	19	35.4	+ 11	51.7	6.9	∧
53	+11°	3957	19	36.4	+ 11	40.8	7.8	∧
54	+11°	3960	19	36.8	+ 11	51.8	8.0	∧

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1913phae.proj.2153C

Thursday August 28, 1913

I 38506

No.	Int	class	Remark
55	3	a2	
56	8.	a0	
57	1	K5	Partly superposed on 56
58	2	a2	
59	1	a0	
60	2	a0	
61	2	a0	
62	2	K0	
63	7	Comp	Bv = F2 Fv = a2
64	4	K0	
65	3	a0	
66	7	F5	
67	1	G5	
68	3	K5	
69	1	K5	
70	2	a2	
71	1	K2	
72	1	a3	
73	6	G0	
74	1	a3	
75	2	K5	
76	1	G0	
77	1	K2	
78	2	a5	
79	2	K0	
80	8	a0	
81	1	a0	

Finis 11.50
Friday Finis 10.35
Aug. 29, 1913

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1913phae..proj.2153C

55	+12°	4056	19	37.3	+12	1.9	7.7	∧
56	+12°	4059	19	37.8	+12	57.6	6.0	∧
57	+12°	4060	19	37.9	+12	53.1	7.4	∧ +12° 4061 Super. Magn. 8.6
58	+13°	4139	19	38.6	+13	5.1	8.5	∧
59	+12°	4067	19	39.4	+12	47.5	8.9	∧
60	+12°	4074	19	39.8	+12	27.4	8.4	∧
61	+11°	3978	19	39.7	+11	24.1	8.4	∧
62	+11°	3984	19	40.4	+11	6.9	8.4	∧
63	+11°	3994	19	41.9	+11	27.7	5.8	∧
64	+11°	3996	19	42.0	+11	19.5	6.8	∧
65	+12°	4085	19	41.7	+12	1.6	7.7	∧
66	+13°	4154	19	41.4	+13	6.1	6.8	∧
67	+12°	4094	19	42.7	+12	30.0	8.8	∧
68	+11°	4003	19	43.3	+11	25.1	8.0	∧
69	+10°	4070	19	43.6	+10	53.3	8.4	∧
70	+10°	4066	19	42.9	+10	36.4	8.5	∧
71	+10°	4065	19	42.9	+10	52.2	8.0	∧
72	+10°	4062	19	42.2	+10	42.0	8.8	∧
73	+10°	4058	19	41.6	+10	20.3	7.0	∧
74	+10°	4061	19	42.2	+10	12.5	8.8	∧
75	+9°	4264	19	41.0	+9	41.0	8.1	∧
76	+9°	4262	19	41.0	+9	41.1	9.1	∧
77	+10°	4046	19	39.7	+10	6.8	8.3	∧ +10° NO45 19 39.7 +10 8.0 Magn. 9.0 superposed on both stars
78	+10°	4047	19	39.7	+10	8.2	8.5	∧
79	+9°	4280	19	43.2	+9	1.4	8.4	∧
80	+9°	4288	19	44.4	+9	15.4	7.1	∧
81	+9°	4286	19	44.1	+9	44.2	8.8	∧

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1913phae.proj.2153C

Friday August 29, 1913

I 38506

No.	Int.	class	Remarks
82	10	g_0	
83	2	a2	
84	6	B5	
85	1	K2	
86	2	K2	
87	6	g_0	
88	2	a_0	
89	2	a_0	
90	1	K_0	
91	1	K_0	Partly superposed on 90
92	1	a	
93	5	B8	
94	10	a_0	
95	4	a_0	
96	4	a_3	
97	4	F_0	
98	4	K_0	
99	3	F_0	Another star superposed at south-
100	2	g_0	E
101	5	g_5	
102	1	a2	
103	1	a2	
104	1	K_1	
105	3	K_0	
106	2	K_1	
107	4	a_0	
108	1	K_3	

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1913phae.proj.2153c

82	+10°	4073	19	44.1	+10	3.7	5.5	^v
83	+9°	4294	19	45.3	+9	52.7	8.6	^v
84	+9°	4295	19	45.4	+9	59.1	7.1	^v
85	+10°	4077	19	45.5	+10	34.3	8.0	^v
86	+11°	4018	19	45.2	+11	4.3	8.2	^v
87	+11°	4019	19	45.3	+11	15.9	6.5	^v
88	+11°	4025	19	45.9	+11	48.5	8.5	^v
89	+11°	4030	19	46.5	+11	27.4	8.4	^v
90	+11°	4034	19	46.8	+11	6.5	8.3	^v
91	+11°	4035	19	46.8	+11	13.6	8.3	^v
92	+11°	4039	19	47.6	+11	12.3	9.2	^v
93	+11°	4048	19	48.4	+11	34.7	8.2	^v
94	+11°	4055	19	49.4	+11	2.6	5.5	^v
95	+11°	4065	19	51.1	+11	12.2 +1.7	7.5	^v
96	+11°	4065	19	51.1	+11	1.7	7.5	^v
97	+11°	4070	19	52.0	+11	10.6	8.2	^v
98	+10°	4126	19	52.3	+10	55.2	6.7	^v
99	+10°	4117	19	57.3	+10	20.6	8.0	^v +10° 4118 Super. magn. 8.7
100	+10°	4120	19	51.9	+10	19.5	8.6	^v
101	+9°	4325	19	49.0	+9	50.2	7.0	^v
102	+10°	4100	19	49.6	+10	10.6	8.7	^v
103	+9°	4332	19	49.6	+9	54.0	8.7	^v
104	+9°	4340	19	50.4	+9	45.1	8.0	^v
105	+9°	4312	19	47.6	+9	23.0	7.5	^v
106	+9°	4292	19	44.8	+9	11.4	8.2	^v
107	+8°	4247	19	45.5	+8	45.7	8.0	^v
108	+8°	4259	19	46.9	+8	40.1	8.6	^v

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1913phae.proj.2153C

Friday August 29, 1913
I 38506

No.	Int.	Class	Remark
109	9	K0	
110	4	a0	
111	2v	K5	E
112v	3	a	E
113	4	K0	E
114	4	a5	
115	10+	a	Burned out.
116	1	K2v	
117	6	B3	Focus poor.
118	4	a2v	
119	1	a2v	
120	3	g5	
121	1	a5	
122v	2v	K0	
123	2v	a0	
124	8	a0	
125	2v	a2	Partly superposed on 126
126	2v	a0	" " " 125
127	3	K0	
128	2v	a0	E
129	2v	B5	
130	2v	B9	
131	8	a2v	
132	2v	g0	
133	2v	F8	
134	1	g5	
135	1	g0	

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1913phae.proj.24159c

109	+8°	4261	19	47.2	+8	5.5	5.2	1 v
110	+7°	4300	19	49.5	+7	52.4	8.0	^ v
111	+8°	4275	19	49.9	+8	4.3	8.0	^ v
112	+8°	4282	19	50.9	+8	14.8	8.5	^ v
113	+7°	4316	19	51.5	+7	32.1	7.6	^ v
114	+7°	4241	19	42.2	+7	55.0	7.6	1 v
115	+8°	4236	19	43.7	+8	29.3	1.2	^ v
116	+7°	4248	19	43.0	+7	29.2	8.6	^ v
117	+7°	4252	19	43.3	+7	32.4	7.0	1 v
118	+7°	4265	19	44.8	+7	43.4	7.7	^ v
119	+7°	4260	19	44.3	+7	2.1	8.0	^ v
120	+7°	4267	19	45.1	+7	5.0	7.5	^ v
121	+7°	4262	19	44.4	+7	25.0	8.5	^ v
122	+7°	4275	19	46.2	+7	41.3	8.0	^ v
123	+7°	4281	19	46.6	+7	54.7	8.7	^ v
124	+6°	4351	19	47.6	+6	45.8	7.0	^ v
125	+7°	4171	19	32.6	+7	31.4	8.0	1 v
126	+7°	4172	19	32.6	+7	41.0	8.1	1 v
127	+7°	4175	19	32.9	+7	13.0	7.3	1 v
128	+6°	4256	19	34.6	+6	51.4	8.3	^ v
129	+7°	4197	19	37.2	+7	15.3	7.8	^ v
130	+6°	4285	19	37.7	+6	53.4	8.0	^ v
131	+7°	4210	19	38.6	+7	15.5	6.0	^ v
132	+7°	4207	19	38.4	+7	33.5	8.1	^ v
133	+7°	4200	19	37.4	+7	37.0	8.1	^ v
134	+6°	4300	19	39.5	+6	42.0	8.2	^ v
135	+7°	4227	19	40.6	+7	17.8	8.6	^ v

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1913phae.proj.2153C

Friday August 29, 1913

I 38506

No.	Int.	Class	Remarks
136	1.	K5	
137	4	B9	
138	1	A2	
139	1	K0	
140	4	A0	
141	2	A0	
142	1	A0	
143	1	K0	
144	2	F0	
145	1	A2	
146	2	Ma	
147	1	A2	
148	3	A0	
149	5	F8	
150	3	A0	
151	1	A2	
152	2	K2	
153	3	A0	
154	8	B5	
155	2	A0	
156	1	A0	
157	2	A2	
158	1	A0	
159	3	B5	
160	2	F8	
161	2	A2	
162	2	F0	

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1913phae..proj..2153C

136	+8°	4156	19	28.6	+8	53.7	8.6	∧ v
137	+9°	4162	19	28.7	+9	0.8	8.4	∧ v
138	+9°	4166	19	29.3	+9	12.1	9.0	∧ v
139	+9°	4174	19	30.1	+9	13.8	8.5	∧ v
140	+10°	3983	19	30.0	+10	3.6	8.5	∧ v
141	+9°	4183	19	31.4	+9	39.3	8.7	∧ v
142	+9°	4184	19	31.5	+9	45.8	8.7	∧ v
143	+9°	4185	19	31.6	+9	43.1	8.5	∧ v
144	+10°	4004	19	32.0	+10	33.4	8.7	∧ v
145	+10°	4014	19	33.3	+10	57.3	9.0	∧ v
146	+11°	3942	19	34.1	+11	35.1	7.8	∧ v
147	+10°	4016	19	33.6	+10	8.7	8.7	∧ v
148	+12°	4022	19	34.0	+12	12.7	8.5	∧ v
149	+12°	4027	19	34.4	+12	50.2	7.0	∧ v
150	+12°	4034	19	35.2	+12	54.5	8.5	∧ v
151	+12°	4035	19	35.2	+12	33.6	8.8	∧ v
152	+12°	4044	19	35.8	+12	26.7	8.0	∧ v
153	+13°	4122	19	36.8	+13	21.0	8.7	∧ v
154	+13°	4098	19	34.4	+13	29.2	6.8	∧ v
155	+13°	4099	19	34.4	+13	15.5	8.1	∧ v
156	+13°	4107	19	34.9	+13	30.4	8.7	
		~~4101~~	~~19~~	~~34.4~~	~~+13~~	39.1	8.2	v
157	+14°	4001	19	35.2	+14	2.4	8.5	∧ v
158	+13°	4109	19	35.6	+14 13	45.0	8.7	
		~~4102~~	~~19~~	~~34.5~~	~~+13~~	45.2	8.2	v
159	+14°	4006	19	35.7	+14	55.8	8.4	∧ v
160	+14°	4031	19	39.5	+14	23.1	8.3	∧ v
161	+14°	4051	19	42.6	+14	6.8	8.7	∧ v
162	+13°	4165	19	43.0	+13	43.0	8.8	∧ v

+10° W013 19 33.2 +10 57.3 magn 9.0 superposed

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Friday August 29, 1913

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No.	Int.	Class	Remark
163	1	a_0	
164	3	b_5	
165	1	a	
166	3	B_8	
167	2	K_2	
168	1	K_0	
169	2	F_2	
170	3	a_0	
171	2	b_0	
172	3	b_5	
173	2	a_2	
174	8	A_2	
175	7	b_0	
176	2	a_0	
177	5	K_0	
178	3	a_0	
179	2	K_0	
180	1	a_0	
181	2	a_0	
182	1	K_0	
183	1	K_0	
184	1	K_2	
185	5	K_2	
186	1	b_5	
187	4	F_0	
188	2	b_5	
189	3	K_0	

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163	+12°	4111	19	44.2	+12	41.5	8.9	N
164	+10°	3913	19	21.9	+10	43.5	7.5	N
165	+10°	3922	19	23.1	+10	31.0	9.0	N
166	+10°	3931	19	24.5	+10	52.2	8.0	N
167	+11°	3871	19	24.6	+11	20.1	8.0	N
168	+11°	3873	19	24.8	+11	25.1	8.3	N
169	+11°	3882	19	25.8	+11	44.1	8.1	N
170	+11°	3893	19	27.8	+11	35.8	8.1	N
171	+10°	3965	19	27.7	+10	57.0	8.0	N
172	+11°	3895	19	28.0	+11	6.6	8.0	N
173	+11°	3902	19	28.6	+11	7.5	8.7	N
174	+10°	3981	19	29.3	+10	49.8	6.8	N
175	+10°	3984	19	30.0	+10	57.4	6.1	N
176	+10°	3964	19	27.6	+10	23.9	8.6	N
177	+10°	3967	19	27.8	+10	38.2	7.1	N
178	+10°	3969	19	28.2	+10	29.3	8.3	N
179	+10°	3974	19	28.5	+10	4.6	8.2	N
180	+10°	3976	19	28.6	+10	3.9	9.1	N
181	+10°	3953	19	26.5	+10	27.6	8.8	N
182	+10°	3938	19	25.1	+10	9.4	8.8	N
183	+10°	3944	19	25.8	+10	4.5	8.5	N
184	+11°	3901	19	28.6	+11	37.4	8.0	N
185	+11°	3906	19	29.4	+11	50.7	7.0	N
186	+11°	3912	19	29.8	+11	59.8	8.6	N
187	+12°	3990	19	30.8	+12	22.3	8.0	N
188	+12°	3997	19	31.2	+12	17.4	8.2	N
189	+12°	4001	19	31.8	+12	2.0	8.1	N

+12° W002 19 31.8 +12 2.6 mag. 8.9 superposed.

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Friday. August 29, 1913

I 38506

No.	Int.	class	Remark
190	1	a0	
191	1	a2	
192	2	a2	
193	1	K0	
194	3	a0	
195	1	K0	
196	~~5~~ 6	a0	
197	2	K0	
198	1	K0	
199	5	F5	E
200	5	a0	E.
201	2	K0	
202	4	A5	
203	4	a3	
204	6	a0	
205	2	F2	
206	3	a5	
207	4	K0	
208	1	K	
209	1	G0	
210	1	K2	
211	2	a0	
Time 11.05	212	5	a0 E
213	1	a2	
214	X2	K2	
215	1	a0	
216	3	K5	

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1913phae.proj.21536

190	+12°	4008	19	32.2	+12	24.3	9.0
191	+12°	4012	19	32.7	+12	12.4	9.0
192	+12°	4015	19	32.9	+12	51.0	8.7
193	+12°	4017	19	33.3	+12	44.3	8.7
194	+12°	3973	19	28.1	+12	46.0	8.5
195	+12°	3977	19	28.7	+12	55.3	8.1
196	+13°	4073	19	30.0	+13	2.9	7.8
197	+12°	3987	19	30.5	+12	48.4	8.0
198	+12°	3995	19	31.1	+12	37.3	8.2
199	+11°	3840	19	19.7	+11	33.7	7.5
200	+11°	3842	19	20.2	+11	46.8	7.2
201	+12°	3913	19	20.9	+12	12.0	7.9
202	+12°	3923	19	22.2	+12	10.5	7.8
203	+12°	3929	19	22.8	+12	6.6	7.5
204	+12°	3925	19	22.3	+12	33.7	7.2
205	+12°	3926	19	22.5	+12	53.4	8.0
206	+12°	3932	19	23.2	+12	51.0	7.7
207	+12°	3940	19	23.8	+12	31.3	7.5
208	+11°	3867	19	23.9	+11	52.5	8.7
209	+12°	3945	19	24.8	+12	51.3	8.5
210	+13°	4039	19	25.0	+13	19.4	7.9
211	+14°	3947	19	25.3	+14	0.6	8.0
212	+14°	3948	19	25.3	+14	39.5	7.1
213	+14°	3965	19	28.6	+14	9.9	8.2
214	+14°	3970	19	29.4	+14	11.6	7.7
215	+13	4069	19	29.3	+13	31	8.0
216	+14	4086	19	29.3	+14	40	8.0

+13° 4074 super. magn. 8.9

25 on y3 > 231

Identified by AnnC Feb. 18, 1914

Checked April 8. 1914 D.W.

Cards checked by G.R.B Cards made out by G.E.D

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1913phae.proj.2153C

Friday August 29, 1913

I 37931

Time 11.06

	No.	Dist.	Class	Remarks
✓	1	3	a0	
✓	2	1	K0	
✓	3	4	a0	
✓	4	6	a2	
	5	3		Almost Cont.
✓	6	3	Cont.	No lines distinctly seen.
✓	7	2	a2	
✓	8	3	a2	
✓	9	6	a0	
✓	10	7	a0	
✓	11	3	a2	
✓	12	2	a	
✓	13	5	a3	
✓	14	4	a0	
✓	15	2	a0	
✓	16	5	K0	
✓	17	7	B5	
✓	18	6	F5	
✓	19	7	K0	E
Time 11.12	✓ 20	1	K0	
	21			Faint stars too few on this plate.

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1913phae.proj.2153C

1	+17°	3991	19	25.1	+17°	38.9	7.6	✓ ✓
2	+17°	3989	19	24.4	+17°	56.7	7.4	✓ ✓
3	+17°	3987	19	23.9	+17°	23.2	7.0	✓ ✓
4	+17°	3976	19	21.6	+17°	33.4	6.5	✓ ✓
5	+18°	4091	19	21.8	+18°	37.5	7.3	✓ ✓
6	+18°	4085	19	21.0	+18°	0.2	7.1	✓ ✓
7	+18°	4075	19	20.0	+18°	42.5	8.2	✓ ✓
8	+17°	3949	19	17.6	+17°	42.4	7.9	✓ ✓
9	+16°	3842	19	18.2	+16°	40.6	6.7	✓ ✓
10	+16°	3839	19	17.9	+16°	39.9	5.8	✓ ✓
11	+15°	3798	19	17.3	+15°	44.4	7.0	✓ ✓
12	+15°	3799	19	17.5	+15°	26.9	7.9	✓ ✓
13	+14°	3896	19	16.5	+14°	39.3	6.5	✓ ✓
14	+16°	3873	19	23.8 ~~23.0~~	+16°	25.0 ~~30.4~~	6.7 ~~7.0~~	
15	+14°	3931	19	22.3	+14°	56.9	8.1	✓ ✓
16	+14°	3936	19	22.7	+14°	17.9	6.0	✓ ✓
17	+13°	4020	19	20.9	+13°	59.4	6.0	✓ ✓
18	+12°	3907	19	19.8	+12°	44.7	6.0	✓ ✓
19	+11°	3833	19	18.1	+11°	38.7	5.5	✓ ✓
20	+14°	~~3886~~ 3890	19	~~14.7~~ 15.2	+14°	~~21.7~~ 16.5	7.8	

Identified on cards by Anne.
Identified in book by G. B. S.
Identification compared, cards & book by G. R. B.

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1913phae.proj.2153C

Friday August 29, 1913

Time 12.00 I 38520

No	Dur	class	Remark-
✓ 1	3	F5	
✓ 2	3	a2	
✓ 3	4	F0	
✓ 4	3	K2	
✓ 5	2	a0	
✓ 6	4	K0	
✓ 7	4	a0	
✓ 8	2	a0	
✓ 9	2	K0	
✓ 10	2	F8	
✓ 11	3	F0	
✓ 12	2	a0	
✓ 13	2	K2	
✓ 14	2	Ma	
✓ 15	2	a0	
✓ 16	3	F0	
✓ 17	4	F0	
✓ 18	3	a2	
✓ 19	2	a0	
✓ 20	1	K0	
✓ 21	1	K0	
✓ 22	6	K0	
✓ 23	3	K5	
✓ 24	3	a0	
✓ 25	4	a2	
✓ 26	2	K0	
✓ 27	1	K2	

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1913phae.proj.2153C

1	+38°	3587	19	21.1	+38	31.3	8.0 ✓
2	+38°	3578	19	19.7	+38	29.1	8.2 ✓
3	+37°	3440	19	18.9	+37	50.6	7.8 ✓
4	+38°	3575	19	19.2	+38	55.7	7.6 ✓
5	+38°	3568	19	18.6	+38	42.9	8.5 ✓
6	+39°	3751	19	18.8	+39	18.3	6.3 ✓
7	+39°	3750	19	18.8	+39	32.4	7.5 ✓
8	+39°	3748	19	18.1	+39	38.1	8.5 ✓
9	+39°	3740	19	17.1	+39	12.7	7.5 ✓
10	+38°	3550	19	16.0	+38	30.9	8.2 ✓
11	+38°	3538	19	14.3	+38	15.7	8.3 ✓
12	+37°	3430	19	17.2	+37	36.7	8.4 ✓ +37° 3429 magn. 8.8 sup.
13	+37°	3410	19	13.7	+37	19.1	7.5 ✓
14	+37°	3403	19	12.5	+37	21.3	8.0 ✓
15	+36°	3487	19	12.1	+36	59.3	8.0 ✓ +36° 3486 magn. 8.0 sup. a. p.
16	+38°	3507	19	10.8	+38	7.0	7.7 ✓
17	+38°	3504	19	10.4	+38	27.6	7.3 ✓
18	+39°	3719	19	14.0	+39	0.4	7.6 ✓
19	+39°	3721	19	14.2	+39	18.7	8.8 ✓
20	+38°	3526	19	13.0	+38	28.4	8.3 ✓
21	+38°	3522	19	12.5	+38	58.9	8.1 ✓
22	+38°	3520	19	12.4	+38	52.0	6.7 ✓
23	+38°	3518	19	12.2	+38	46.6	6.7 ✓
24	+38°	3515	19	11.8	+38	52.7	8.1 ✓
25	+38°	3514	19	11.8	+38	37.4	8.0 ✓
26	+39°	3693	19	9.5	+39	24.2	8.0 ✓
27	+38°	3493	19	9.0	+38	43.6	7.7 ✓

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1913phae.proj.2153C

Friday August 29, 1913

I 38520

No	Int	class	Remark
✓ 28	10+	a	
✓ 29	5	a0	
✓ 30	4	a0	
✓ 31	6	a0	
✓ 32	3	g5	
✓ 33	1	K5	
✓ 34	1	K2	
✓ 35	1	K0	
✓ 36	1	F5	
✓ 37	7	Comp	Br = F0 F7 = a3
✓ 38	2	g0	
✓ 39	2	F5	
✓ 40	4	a5	
✓ 41	4	a3	
✓ 42	2	m	
✓ 43	3	a3	
44	1	F5	
✓ 45	4	a0	
✓ 46	4	K0	
✓ 47	4	a0	
✓ 48	2	a0	
✓ 49	2	g5	
✓ 50	2	K0	
✓ 51	3	g0	
✓ 52	2	a2	
✓ 53	2	K5	
✓ 54	1	K	

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1913phae.proj.2153c

28	+38°	3490	19	8.8	+38	54.0	4.5 ✓ +38° 3491 magn. 9.0 sup. a little foll.
29	+38°	3488	19	8.5	+38	47.6	8.2 ✓ +38° 3489 magn. 9.0 sup. f.
30	+39°	3682	19	7.8	+39	15.2	7.8 ✓
31	+39°	3677	19	7.1	+39	10.9	7.1 ✓
32	+38°	3466	19	6.2	+38	32.7	7.3 ✓
33	+38°	3464	19	5.9	+38	55.9	7.9 ✓
34	+38°	3463	19	5.8	+38	40.1	7.8 ✓
35	+38°	3462	19	5.5	+38 ✓	19.3	8.0 ✓
36	+37°	3359	19	5.2	+37	50.7	8.0 ✓
37	+37°	3357	19	4.7	+37	33.7	6.5 ✓
38	+38°	3455	19	4.5	+38 ✓	28.8	8.0 ✓
39	+38°	3453	19	4.1	+38 ✓	40.1	7.8 ✓
40	+38°	3449	19	3.7	+38	16.4	7.2 ✓
41	+38°	3441	19	2.9	+38	41.9	7.0 ✓
42	+38°	3445	19	3.3	+38	55.7	6.9 ✓
43	+38°	3435	19	1.5	+38	8.2	8.4 ✓

Omit Two Stars superposed.

45	+38°	3424	18	59.9	+38	31.3	7.7 ✓
46	+37°	3341	19	1.4	+37	9.9	7.3 ✓
47	+36°	3395	19	0.3	+36	43.2	8.2 ✓
48	+37°	3322	18	58.2	+37	8.5	8.2 ✓
49	+37°	3328	18	59.4	+37	53.6	7.4 ✓
50	+38°	3315	18	57.2	+37	36.0	7.8 ✓
51	+39°	3605	18	55.6	+39	8.0	8.0 ✓
52	+38°	3378	18	53.3	+38 ✓	9.5	8.2 ✓
53	+38°	3362	18	52.2	+38	36.4	7.6 ✓
54	+38°	3545	19	15.5	+38	9.3	8.5 ✓

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1913phae.proj.2153C

Friday August 29, 1913
I 38520

No.	Int.	class	Remark
✓ 55	2	a	
✓ 56	2	K0	
✓ 57	1	a	
✓ 58	2	F2	
✓ 59	2	K0	
✓ 60	1	K0	
✓ 61	1	K5	
✓ 62	2	a2	
✓ 63	1	a0	
✓ 64	1	K0	
✓ 65	2	a2	
✓ 66	1	K0	
✓ 67	2	a0	
✓ 68	1	K2	
✓ 69	1	K5	
✓ 70	1	K2	
June 12.08 71	1	a0	E
~~72~~			
72	1	G5	Partly superposed on 73
73	5	B9	Diffuse ring due superposition of 72
74	9	B5	
75	3	a3	
76	9	B8	

Ends 37, 36

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1913phae.proj.2153c

55	+38°	3544	19	15.4	+38	7.5	8.8	✓	
56	+37°	3387	19	9.8	+37	43.7	8.2	✓	
57	+37°	3386	19	9.7	+37	27.5	8.8	✓	
58	+37°	3384	19	9.3	+37	23.6	8.0	✓	
59	+36°	3466	19	9.6	+36	44.5	7.7	✓	
60	+36°	3445	19	7.7	+36	40.6	8.1	✓	
61	+37°	3379	19	8.6	+37	32.0	8.2	✓	
62	+36°	3406	19	2.3	+36	1.9	8.2	✓	
63	+36°	3407	19	2.4	+36	53.7	8.5	✓	
64	+37°	3350	19	3.5	+37	40.8	8.5	✓	
65	+35°	3461	18	58.6	+35	56.1	8.2	✓	
66	+35°	3588	19	16.6	+35	55.6	8.4	✓	
67	+36°	3507	19	14.9	+36	7.3	8.5	✓	
68	+35°	3565	19	13.6	+35	46.4	8.7	✓	
69	+39°	3630	18	59.2	+39	54.3	7.5	✓	
70	+39°	3620	18	58.3	+39	44.2	7.3	✓	
71	+40°	3505	18	46.7	+40	13.9	8.5	✓	

Idents. on cards by Am.C. April 10, 1915.
Ident. in Book by M.A.H. April 15, 1915.
Identification compared by G.R.B. April 16, 1915

✓	72	+39°	3607	18	55.7	+39	39	7.0	✓	25 m ✓37345
✓	73	+39°	3606	18	55.7	+39	39	7.0		
✓	74	+40	3544	18	54.0	+40	29	6.5	?	m 4
✓	75	+37°	3307	18	55.4	+37	48	7.1	209	" ? 37845
✓	76	+38°	3373	18	53.1	+38	+	6.2	207	" "

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1913phae.proj.2153C

Saturday, August 30, 1913

Time 9.55 B21394 plate

No.	Int.	Class	Remark
1	4	F8	
2	5	A0	
3	3	A2	
4	2	A2	
5	2	K2	
6	3	F0	
7	5	K0	
8	6	Ma	
9	3	A0	
10	3	K0	
11	2	K0	
12	3	G5	
13	2	F8	Partly superposed on 12
14	3	K0	
15	1	K0	
16	2	F5	
17	3	G0	
18	2	A0	
19	5	F5	
20	3	A2	
21	5	K0	
22	1	A0	
23	3	A0	
24	2	G5	
25	2	F8	
26	7	A2	
27	2	K0	

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1913phae.proj.21530

1	−4°	2208	7	58.0	−4	7.0	8.5	1 v
2	−4°	2212	7	58.5	−4	14.9	8.3	1 v
3	−4°	2214	7	59.1	−4	1.9	8.8	1 v
4	−3°	2207	7	58.8	−3	48.1	9.1	1 v
5	−3°	2212	7	59.8	−3	26.9	9.0	1 v
6	−3°	2206	7	58.3	−3	24.4	8.9	1 v
7	−4°	2201	7	57.4	−4	51.8	8.3	1 v
8	−5°	2353	7	57.6	−5	0.3	7.0	Δ4° 2204 magn. 9.2 superposed
9	−4°	2209	7	58.1	−4	54.2	9.0	1 v
10	−4°	2210	7	58.4	−4	38.3	8.7	1 v
11	−5°	2356	7	58.3	−5	8.3	8.7	1 v
12	−5°	2357	7	58.5	−5	16.7	9.0	1 v
13	−5°	2359	7	58.6	−5	17.0	9.4	1 v
14	−4°	2220	7	59.4	−4	55.2	8.2	1 v
15	−4°	2221	7	59.7	−4	52.6	9.2	1 v
16	−5°	2364	7	59.6	−5	5.8	9.4	1 v
17	−5°	2363	7	59.5	−5	13.0	8.8	1 v
18	−5°	2362	7	59.3	−5	20.0	9.4	1 v
19	−5°	2368	8	0.4	−5	24.8	8.8	1 v
20	−5°	2370	8	0.5	−5	21.5	9.5	1 v
21	−5°	2371	8	0.5	−5	43.9	8.4	1 v
22	Approx 1855 [illegible]		8	1.0	−5	26		1 v
23	−5°	2375	8	1.2	−5	20.5	9.3	1 v
24	−5°	2378	8	1.9	−5	7.7	9.0	1 v
25	−4°	2230	8	1.1	−4	45.9	9.4	1 v
26	−4°	2229	8	0.8	−4	34.4	8.6	1 v
27	−4°	2216	7	59.2	−4	24.7	9.1	1 v

−4° 2217.7 59.3-4 29.4 magn. 9.5 superposed.

cards made out

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1913phae.proj.2153C

Saturday August 30, 1913

B21394 short

No.	Int.	Class	Remark.
28	24.	G5	
29	3	Ma	
30	2	F5	
31	2	G5	
32n	4	A0	
33	1	A	Partly superposed on 32n
34	1	A3	
35	1	K5	
36	3	A3	
37	3	A0	
38	3	K0	
39	1	G0	
40	3	A0	
41	3	K2n	
42n	1	A2n	
43	2	A2n	
44	1	G0	
45	4	A0	
46	4	A5	
47	3	K0	
48	7	A0	
49	2	G5	
50	2	K5	
51	5	K5	
52	1	K0	
53	2	A2n	
54	8	G0	

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1913phae..proj..2153c

28	−4°	2219	7	59.4	−4	59.8	9.1	1 ✓
29	−4°	2218	7	59.4	−4	34.0	8.8	1 ✓
30	−4°	2222	7	59.8	−4	28.9	9.5	1 ✓
31	−4°	2223	7	59.9	−4	25.8	9.3	1 ✓
32	−4°	2231	8	1.3	−4	24.6	9.4	1 ✓
33	−4°	2232	8	1.3	−4	18.9	9.5	1 ✓
34	−4°	2233	8	1.5	−4	18.2	9.4	1 ✓
35	−4°	2234	8	1.8	−4	30.4	9.0	1 ✓
36	−3°	2225	8	2.0	−3	46.9	9.2	1 ✓
37	−3°	2218	8	1.2	−3	29.4	9.4	1 ✓
38	−3°	2229	8	2.6	−3	58.1	8.8	1 ✓
39	−4°	2236	8	2.3	−4	6.6	9.3	1 ✓
40	−4°	2239	8	2.7	−4	11.4	9.1	1 ✓
41	−4°	2238	8	2.6	−4	46.4	9.0	1 ✓
42	Approx 1855 pos.		8	2.1	−4	52		1 ✓
43	−4°	2237	8	2.3	−4	55.4	9.4	1 ✓
44	−5°	2384	8	2.6	−5	3.9	9.3	1 ✓
45	−5°	2388	8	2.9	−5	4.2	9.2	1 ✓
46	−5°	2390	8	3.1	−5	5.5	9.1	1 ✓
47	−5°	2386	8	2.8	−5	11.0	8.8	1 ✓
48	−5°	2391	8	3.2	−5	17.9	9.0	1 ✓
49	−5°	2392	8	3.6	−5	24.5	8.9	1 ✓
50	−5°	2389	8	3.1	−5	25.4	9.0	1 ✓
51	−5°	2381	8	2.5	−5	42.3	8.1	1 ✓
52	−5°	2387	8	2.8	−5	52.4	9.1	1 ✓
53	−5°	2393	8	3.8	−5	51.3	9.5	1 ✓
54	−5°	2395	8	4.4	−5	35.6	7.5	1 ✓

−4° 2224 8 0.0 −4 29.1 mag. 9.4 superposed

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1913phae.proj.2153C

Saturday August 30, 1913

B 21394 short

No.	Int.	Class	Remark
55	6	K0	
56	9	K0	
57	7	F5	
58	3	F8	
59	5	K0	
60	2	G5	Partly superposed on 61
61	2	F8	
62	1	G	Nearly all superposed on 60
63	2	K0	
64	1	G0	
65	2	F5	
66	1	G5	
67	4	A2	
68	5	A2	
69	5	G0	
70	7	A2	
71	3	A2	
72	2	G0	
73	2	F8	
74	3	A0	
75	2	A2	
76	3	K0	Another star superposed at north.
77	4	A0	
78	7	A0	Partly superposed on 79
79	7	A0	
80	4	A2	
81	4	A2	

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55	−5°	2399	8	5.0	−5	39.8	8.0 1 ⌣
56	−6°	2494	8	3.9	−6	19.4	6.3 1 ⌣
57	−6°	2498	8	4.2	−6	46.6	8.0 1 ⌣
58	−6°	2503	8	4.7	−6	50.8	9.0 1 ⌣
59	−6°	2504	8	5.8	−6	45.8	8.2 1 ⌣
60	−6°	2509	8	5.6	−6	26.5	8.8 1 ⌣
61	−6°	2511	8	5.7	−6	23.5	9.0 1 ⌣
62	−6°	2510	8	5.6	−6	29.0	9.2 1 ⌣
63	−6°	2513	8	5.7	−6	12.7	9.0 1 ⌣
64	−5°	2409	8	5.7	−5	50.9	9.6 1 ⌣
65	−6°	2502	8	4.7	−6	13.1	9.3 1 ⌣
66	−6°	2506	8	5.0	−6	1.0	9.0 1 ⌣
67	−4°	2245	8	4.5	−4	53.3	9.2 1 ⌣
68	−5°	2396	8	4.6	−5	0.0	8.9 1 ⌣
69	−5°	2397	8	4.6	−5	6.9	9.1 1 ⌣
70	−4°	2242	8	3.7	−4	29.4	8.3 1 ⌣
71	−4°	2241	8	3.7	−4	38.1	9.2 1 ⌣
72	−4°	2243	8	4.2	−4	36.6	9.1 1 ⌣
73	−4°	2251	8	5.2	−4	51.4	9.2 1 ⌣
74	−5°	2402	8	5.2	−5	3.4	9.4 1 ⌣
75	−5°	2401	8	5.1	−5	7.6	9.6 1 ⌣
76	−5°	2404	8	5.5	−5	15.1	9.3 1 ⌣ −5° 2403 superposed. Magn. 9.4
77	−5°	2411 (was 2409)	8	5.8	−5	8.0 15.1	9.1 1 ⌣ ~~Magn. 9.4 −5° 2403 superposed~~
78	−5°	2420	8	6.2	−5	7.5	8.5 1 ⌣
79	−5°	2419	8	6.1	−5	12.5	8.6 1 ⌣
80	−5°	2414	8	6.0	−5	12.5	9.0 1 ⌣
81	−5°	2413	8	5.9	−5	19.0	9.1 1 ⌣

cards made out

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1913phae.proj.2153C

Saturday, August 30, 1913

B 213924 short

No.	Int.	Class	Remark
82	3	a_0	
83	3	Bq	
84	5	a_2	
85	2	F5	
86	6	a_2	
87	5	K_0	
88	3	a_0	
89	5	a	Center of the cluster Other stars superposed
90	3	a_2	
91	1	G5	
92	4	K_0	
93	7	K_0	
94	5	K_0	
95	5	F_2	
96	7	G5	
97	5	K_0	
98	2	a_0	
99	4	K_2	
100	1	K_2	
101	1	K5	
102	1	K_0	
103	1	a	
104	5	a_0	
105	3	K_0	
106	4	a_2	
107	4	a_2	Partly superposed on 106
108	5	K_0	

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1913phae.proj.2153C

82	−5°	2412	8	5.9	−5	27.0	9.4	1 ⌐
83	−5°	2425	8	6.4	−5	37.7	9.5	1 ⌐
84	−5°	2436	8	6.6	−5	11.1	8.6	1 ⌐
85	−5°	2444	8	7.0	−5	8.1	9.1	1 ⌐
86	−5°	2446	8	7.1	−5	17.0	9.0	1 ⌐
87	−5°	2447	8	7.1	−5	28.1	8.4	1 ⌐
88	−5°	2445	8	7.1	−5	42.8	9.2	1 ⌐
89	−5°	2432	8	6.6	−5	2.6 / 1.8	9.0 / ~~9.0~~	1 ⌐ 25° 24 33 superposed magn. 9.0 and several stars superposed.
90	−5°	2438	8	6.7	−5	16.1	9.3	1 ⌐
91	−5°	2428	8	6.5	−5	57.3	9.3	1 ⌐
92	−6°	2521	8	6.7	−6	2.9	8.5	1 ⌐
93	−6°	2517	8	6.4	−6	9.5	7.1	1 ⌐
94	−6°	2523	8	7.0	−6	24.8	8.3	1 ⌐
95	−6°	2525	8	7.4	−6	28.5	9.0	1 ⌐
96	−6°	2528	8	8.0	−6	28.5	~~9.1~~ 8	1 ⌐
97	−6°	2531	8	8.4	−6	40.8	8.7	1 ⌐
98	−6°	2532	8	8.5	−6	50.5	9.4	1 ⌐
99	−6°	2533	8	8.7	−6	53.7	8.2	1 ⌐
100	−6°	2537	8	9.2	−6	44.8	8.8	1 ⌐
101	−6°	2536	8	9.1	−6	31.8	9.0	1 ⌐
102	−6°	2540	8	9.6	−6	24.7	9.0	1 ⌐
103	−6°	2539	8	9.6	−6	29.9	9.4	1 ⌐
104	−6°	2542	8	9.9	−6	35.4	8.9	1 ⌐
105	−5°	2474	8	9.9	−5	58.1	8.5	1 ⌐
106	−5°	2461	8	8.0	−5	52.8	9.0	1 ⌐
107	−5°	2462	8	8.1	−5	52.5	9.0	1 ⌐
108	−5°	2463	8	8.5	−5	34.6	8.3	1 ⌐

cards made out

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1913phae.proj.2153C

Saturday August 30, 1913
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No.	Exp.	class	Remarks
109	7	a5	
110	2	k0	
111	1	k5	
112	1	K2	
113	3	a2	
114	3	k5	
115	3	a2	
116	4	a0	
117	5	a2	
118	3	a0	
119	3	a	Thin clouds superposed
120	5	f5	
121	4	a0	
122	2	k5	
123	3	k0	
124	1	K2	
125	1	K0	
126	4	a0	
127	2	k5	
128	1	K2	
129	4	k0	
130	5	k0	
131	3	k0	
132	3	a0	
133	1	k0	
134	3	K0	
135	4	k5	

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1913phae.proj.2153C

109	−5°	2465	8	8.9	−5	25.7	8.4	1	✓
110	−5°	2467	8	8.9	−5	45.7	9.2	1	✓
111	−5°	2472	8	9.4	−5	32.0	9.4	1	✓
112	−5°	2470	8	9.0	−5	19.0	9.1	1	✓
113	−5°	2455	8	7.6	−5	0.9	9.3	1	✓
114	−5°	2459	8	7.8	−5	6.0	9.1	1	✓
115	−5°	2456	8	7.6	−5	22.5	9.5	1	✓
116	−4°	2256	8	6.4	−4	40.4	9.2	1	✓
117	−4°	2257	8	6.6	−4	48.4	9.1	1	✓
118	−4°	2264	8	6.8	−4	37.3	9.4	1	✓
119	−4°	2260	8	6.8	−4	40.5	9.5	1	✓
120	−4°	2259	8	6.7	−4	13.2	8.2	1	✓
121	−4°	2266	8	7.3	−4	15.7	9.0	1	✓
122	−4°	2272	8	8.5	−4	32.5	8.8	1	✓
123	−4°	2275	8	8.9	−4	48.6	8.9	1	✓
124	−4°	2280	8	9.1	−4	34.7	9.1	1	✓
125	−4°	2286	8	9.9	−4	45.4	9.2	1	✓
126	−4°	2285	8	9.8	−4	51.6	9.0	1	✓
127	−5°	2473	8	9.6	−5	6.7	9.1	1	✓
128	−5°	2476	8	10.1	−5	8.1	9.1	1	✓
129	−5°	2477	8	10.2	−5	12.7	8.8	1	✓
130	−5°	2481	8	10.5	−5	12.3	9.1	1	✓
131	−5°	2475	8	10.0	−5	30.4	9.3	1	✓
132	−5°	2479	8	10.2	−5	33.4	9.3	1	✓
133	−5°	2480	8	10.3	−5	54.4	9.4	1	✓
134	−5°	2482	8	10.7	−5	58.0	8.3	1	✓
135	−5°	2486	8	11.6	−5	44.3	8.7	1	✓

−4° 2260 magn. 9.5 and −4° 2261 magn. 9.3 superposed

−4° 2261 magn. 9.3 superposed and −4° 2264 magn. 9.4 superposed

clouds massés vers

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1913phae.proj.2153C

Saturday Aug. 30, 1913
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No.	Int.	Class	Remarks
136	2	F2	
137	3	K0	
138	2	K0	
139	4	A5	
140	2	A0	
141	4	F0	
142	3	A0	
143	3	F0	
144	2	K0	
145	2	F8	
146	2	F0	
147	4	K0	
148	2	G	Focus prob
149	5	F5	
150	6	F8	
151	3	K5	
152	3	A5	Focus prob.
153	2	F5	
154	6	G0	E
155	2	K2	
156	3	F0	
157	4	K2	
158	7	K2	
159	1	K0	
160	3	A2	
161	7	A0	
162	9	A0	

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136	−5°	2487	8	11.8	−5	38.6	9.5	1	✓
137	−4°	2294	8	11.5	−4	56.4	9.0	1	✓
138	−4°	2293	8	11.4	−4	43.0	8.8	1	✓
139	−4°	2300	8	12.1	−4	42.2	9.1	1	✓
140	−4°	2292	8	10.5	−4	31.2	9.8	1	✓
141	−4°	2291	8	10.3	−4	21.9	8.8	1	✓
142	−4°	2287	8	10.1	−4	12.1	9.2	1	✓
143	−3°	2286	8	10.0	−3	49.1	8.8	1	✓
144	−3°	2290	8	10.5	−3	55.3	9.0	1	✓
145	−4°	2270	8	8.3	−4	8.0	9.1	1	✓
146	−4°	2276	8	8.9	−4	10.9	9.3	1	✓
147	−3°	2291	8	10.8	−3	34.1	8.5	1	✓
148	−3°	2294	8	11.4	−3	34.9	9.2	1	✓
149	−3°	2295	8	11.6	−3	38.1	8.2	1	✓
150	−3°	2301	8	12.4	−3	41.2	8.0	1	✓
151	−4°	2299	8	12.0	−4	5.2	8.5	1	✓
152	−4°	2297	8	12.0	−4	15.1	9.2	1	✓
153	−4°	2304	8	13.3	−4	7.8	9.0	1	✓
154	−4°	2305	8	13.4	−4	21.8	8.3	1	✓
155	−5°	2502	8	13.8	−5	46.5	8.8	1	✓
156	−5°	2505	8	14.4	−5	33.9	9.1	1	✓
157	−6°	2561	8	13.4	−6	2.9	8.0	1	✓
158	−6°	2560	8	13.4	−6	10.0	7.2	1	✓
159	−5°	2506	8	14.5	−5	57.5	9.0	1	✓
160	−6°	2567	8	15.0	−6	4.4	9.3	1	✓
161	−6°	2566	8	15.0	−6	21.7	8.5	1	✓
162	−6°	2571	8	15.7	−6	13.4	7.8	1	✓

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Saturday August 30, 1913

B.D. 13944 clear

	No.	Dist.	Class	Remark
	163	10	F0	
June 10.22	164	3	G5	
" 10.25	165	4	K0	
	166	6	G0	
	167	2	A	Nearly all superposed on 166
	168	5	A3	
	169	8	A0	
	170	9	Ma	
June 10.26	171	6	A5	
" 10.32	172	2	K0	
" 10.32	173	2	F2	
June 2.05	174	8	F0	
	175	2	G0	
	176	3	F0	
	177	1	G0	
	178	1	F5	
	179	4	K0	
	180	7	K5	
	181	1	G5	
	182	5	K0	
	183	1	A2	
	184	6	F2	
	185	3	F5	
	186	3	K0	
	187	8	K0	
	188	7	K0	
	189	2	F0	(The following of 2)

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163	−5°	2512	8	15.4	−5	42.9	6.8	1	∪
164	−5°	2518	8	16.8	−5	57.2	8.5	1	∪
165	−6°	2576	8	16.5	−6	23.1	8.5	1	∪
166	−6°	2577	8	16.6	−6	28.0	8.6	1	∪
167	−6°	2578	8	16.6	−6	27.3	9.2	1	∪
168	−6°	2573	8	16.1	−6	43.9	9.0	1	∪
169	−6°	2579	8	16.9	−6	47.6	8.5	1	∪
170	−7°	2452	8	15.8	−7	4.7	6.5	1	∪
171	−7°	2454	8	15.9	−7	15.9	8.6	1	∪
172	−6°	2554	8	11.9	−6	14.6	8.8	1	∪
173	−6°	2545	8	10.9	−6	46.1	9.0	1	∪
174	−7°	2423	8	11.3	−7	7.1	7.0	1	∪
175	−7°	2422	8	11.3	−7	32.7	9.0	1	∪
176	−7°	2426	8	11.6	−7	27.0	8.8	1	∪
177	−6°	2553	8	11.8	−6	41.5	9.2	1	∪
178	−6°	2552	8	11.7	−6	57.3	9.5	1	∪
179	−7°	2431	8	12.0	−7	2.9	8.5	1	∪
180	−7°	2433	8	12.1	−7	6.4	7.2	1	∪
181	−7°	2430	8	11.9	−7	10.6	8.8	1	∪
182	−6°	2556	8	12.5	−6	53.3	8.3	1	∪
183	−6°	2557	8	12.8	−6	48.9	9.5	1	∪
184	−6°	2563	8	13.6	−6	50.7	9.0	1	∪
185	−7°	2436	8	13.2	−7	5.4	9.1	1	∪
186	−7°	2443	8	14.2	−7	19.0	8.9	1	∪
187	−7°	2444	8	14.2	−7	36.2	7.0	1	∪
188	−7°	2446	8	14.5	−7	43.9	8.0	1	∪
189	−7°	2442	8	14.0	−7	43.7	9.1	1	∪

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No.	Int.	Class	Remark
190	3	F8	
191	10	A2	
192	5	K0	
193	4	F2	
194	2	K2	
195	2	F5	
196	2	K0	
197	2	G5	
198	2	F8	
199	4	K0	
200	3	A2	
201	1	K2	
202	1	K2	
203	2	A0	
204	1	A2	
205	3	K0	
206	7	A2	
207	4	F2	
208	2	A5	
209	7	G0	
210	2	G5	
211	6	B9	
212	8	A2	
213	8	F0	Partly superposed on 212
213a	6	A0	
214	2	G5	
215	8	A0	
216	6	A0	

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190	−7°	2448	8	14.7	−7	57.0	8.8	∧ ∪
191	−8°	2319	8	14.6	−8	13.2	6.8	∧ ∪
192	−8°	2315	8	14.1	−8	25.4	7.5	∧ ∪
193	−8°	2311	8	13.2	−8	17.0	8.9	∧ ∪
194	−8°	2305	8	12.5	−8	5.3	8.8	∧ ∪
195	−8°	2306	8	12.5	−8	8.9	9.1	∧ ∪
196	−8°	2307	8	12.7	−8	28.1	9.1	∧ ∪
197	−8°	2302	8	11.7	−8	24.3	9.0	∧ ∪
198	−8°	2300	8	11.2	−8	23.0	9.4	∧ ∪
199	−8°	2296	8	10.4	−8	39.2	8.3	∧ ∪
200	−8°	2294	8	10.3	−8	53.6	9.1	∧ ∪
201	−5°	2348	7	56.6	−5	53.5	9.0	∧ ∪
202	−5°	2352	7	57.6	−5	41.6	8.8	∧ ∪
203	−5°	2354	7	57.8	−5	51.8	9.4	∧ ∪
204	−5°	2355	7	58.2	−5	52.2	9.8	∧ ∪
205	−6°	2450	7	58.7	−6	2.5	8.6	∧ ∪
206	−6°	2458	7	59.4	−6	8.2	9.0	∧ ∪ ∧ magn. 9.0 −6° 2457 superposed
207	−6°	2464	8	0.1	−6	3.7	8.8	∧ ∪
208	−6°	2446	7	58.3	−6	30.2	9.4	∧ ∪
209	−6°	2440	7	57.7	−6	48.0	8.3	∧ ∪
210	−6°	2442	7	57.9	−6	50.0	9.0	∧ ∪
211	−7°	2343	7	58.2	−7	0.3	8.8	∧ ∪
212	−6°	2451	7	58.7	−6	52.3	8.2	∧ ∪
213	−6°	2452	7	58.7	−6	57.8	9.0	∧ ∪
213a	−6°	2454	7	59.2	−6	57.6	8.8	∧ ∪
214	−7°	2346	7	58.6	−7	9.1	9.1	∧ ∪
215	−7°	2347	7	59.2	−7	21.2	8.2	∧ ∪
216	−7°	2344	7	58.5	−7	35.6	8.8	∧ ∪

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No.	Int.	Class	Remark
217	2	K0	
218	2	g0	
219	3	Ma	
220	1	K2	
221	2	a5	
222	3	a2	
223	5	a3	
224	2	g0	
225	1	g5	
226	3	g5	
227	3	a2	
228	5	a0	
229	3	K0	
230	4	Ma	
231	2	K5	
232	4	f5	
233	4	f0	
234	10+	g5	
235	4	a0	
236	2	K0	
237	7	f2	
238	9	a2	
239	+2	K0	
240	2	a0	
241	4	K0	
242	6	g5	
243	5	f5	

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217	−7°	2353	8	0.1	−7	3.6	9.1 ∧ ∪
218	−6°	2466	8	0.2	−6	42.9	9.1 ∧ ∪
219	−6°	2473	8	0.9	−6	33.8	8.4 ∧ ∪
220	−6°	2470	8	0.6	−6	53.6	8.7 ∧ ∪
221	−7°	2356	8	1.1	−7	22.2	9.0 ∧ ∪
222	−7°	2359	8	1.7	−7	8.6	9.2 ∧ ∪
223	−7°	2360	8	1.8	−7	5.1	8.8 ∧ ∪
224	−6°	2479	8	1.7	−6	20.9	9.3 ∧ ∪
225	−6°	2480 2486	8 8	1.7 2.5	−6 −6	0.4 1.7	9.1 9.4 ∪
226	−6°	2482	8	2.1	−6	16.9	8.7 ∧ ∪
227	−6°	2484	8	2.3	−6	20.7	9.4 ∧ ∪
228	−6°	2488	8	2.6	−6	25.5	8.9 ∧ ∪
229	−6°	2487	8	2.6	−6	29.1	8.6 ∧ ∪
230	−6°	2489	8	3.0	−6	19.3	7.5 ∧ ∪
231	−7°	2371	8	3.6	−7	18.1	8.8 ∧ ∪
232	−6°	2499	8	4.3	−6	59.3	9.0 ∧ ∪
233	−7°	2379	8	4.7	−7	13.5	9.0 ∧ ∪
234	−7°	2378	8	4.5	−7	20.7	5.5 ∧ ∪
235	−7°	2377	8	~~3.9~~ 4.0	−7	~~36.8~~ 33.3	9.0 ∧ ∪
236	−7°	2381	8	4.8	−7	41.1	9.0 ∧ ∪
237	−8°	2256	8	4.2	−8	13.2	8.9 ∧ ∪
238	−8°	2263	8	5.2	−8	6.2	7.9 ∧ ∪
239	−7°	2382	8	5.4	−7	45.3	9.1 ∧ ∪
240	−7°	2386	8	6.2	−7	36.1	9.8 ∧ ∪
241	−6°	2518	8	6.4	−6	59.8	8.7 ∧ ∪
242	−7°	2389	8	6.8	−7	47.3	8.5 ∧ ∪
243	−7°	2391	8	7.3	−7	38.3	9.0 ∧ ∪

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No.	Int.	class	Remark
244	2	a_0	
245	7	K_0	
246	2	g_0	
247	4	f_0	
248	3	a_0	
249	2	a_0	
250	4	g_0	
251	2	g_0	
252	2	a_0	
253	2	g_0	
254	2	K_5	
255	3	g_5	
256	5	a_0	
257	2	K_0	
258	6	f_0	
259	1	g_5	
260	2	f_8	
261	1	f_5	The following of this
262	1	K_0	
263	2	g_0	
264	8	f_8	
265	3	a_0	
266	2	g_5	
267	3	g_5	
268	5	f_0	
269	3	a_2	Partly superposed on 270
270	4	g_0	

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1913phae.proj.2153C

244	−8°	2271	8	7.0	−8	3.8	9.4	1 ⌣
245	−8°	2272	8	7.1	−8	25.3	7.8	1 ⌣
246	−8°	2275	8	7.6	−8	9.8	9.0	1 ⌣
247	−8°	2278	8	8.2	−8	5.0	8.9	1 ⌣
248	−7°	2402	8	8.5	−7	56.4	9.0	1 ⌣
249	−7°	2407	8	8.8	−7	42.0	9.4	1 ⌣
250	−7°	2408	8	9.2	−7	31.7	8.9	1 ⌣
251	−7°	2409	8	9.5	−7	24.8	9.1	1 ⌣
252	−7°	2395	8	8.0	−7	0.9	9.2	1 ⌣
253	−7°	2403	8	8.5	−7	1.3	9.4	1 ⌣
254	−7°	2404	8	8.7	−7	11.3	9.1	1 ⌣ −7° 2405 7 8.7-7 15.0 magn. 9.6 superposed
255	−7°	2414	8	9.9	−7	31.4	9.0	1 ⌣
256	−7°	2412	8	9.6	−7	43.5	9.1	1 ⌣
257	−7°	2415	8	9.9	−7	47.1	9.1	1 ⌣
258	−8°	2289	8	9.7	−8	6.3	8.9	1 ⌣
259	−7°	2416	8	10.1	−7	32.0	9.3	1 ⌣
260	−7°	2417	8	10.6	−7	36.6	9.2	1 ⌣
261	−7°	2418	8	11.1	−7	42.2	9.4	1 ⌣
262	−7°	2428	8	11.7	−7	46.2	9.4	1 ⌣
263	−7°	2437	8	13.4	−7	33.2	9.3	1 ⌣
264	−7°	2329	7	56.5	−7	46.2	7.0	1 ⌣
265	−7°	2330	7	56.7	−7	57.5	9.0	1 ⌣ −7° 2331 magn. 9.6 superposed
266	−7°	2337	7	57.5	−7	35.1	9.0	1 ⌣
267	−7°	2336	7	57.5	−7	43.2	9.0	1 ⌣
268	−7°	2335	7	57.4	−7	54.8	8.6	1 ⌣
269	−7°	2340	7	57.9	−7	54.8	9.0	1 ⌣
270	−7°	2341	7	57.9	−7	59.4	8.9	1 ⌣

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B 21394 short

No.	Int.	Class	Remark
271	3	g_5	
272	4	G_0	
273	6	g_5	
274	8	a_2	
275	5	a_2	
276	2	K_0	
277	2	g_5	
278	2	K_0	
279	4	g_0	
280	7	K_0	
281	5	a_0	
282	3	K_0	
283	2	a_5	Nearly all superposed on 284
284	2	a_5	" " " " 283
285	2	F_0	
286	2	K_0	
287	4	a_2	
288	2	K_0	
289	2	K_0	
290	3	a_3	
291	3	a_5	
292	1	m_e	
293	4	a_0	
294	6	m_b	
295	4	g_5	
296	3	a_2	
297	2	g_5	

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1913phae.proj.2153C

271	−8°	2208	7	57.8	−8	4.9	8.8	1
272	−8°	2214	7	58.3	−8	16.0	9.0	1
273	−8°	2215	7	58.6	−8	2.1	8.2	1
274	−8°	2212	7	58.0	−8	29.0	7.9	1
275	−8°	2218	7	59.2	−8	5.0	9.0	1
276	−7°	2348	7	59.3	−7	48.1	9.2	1
277	−7°	2350	7	59.9	−7	54.9	9.4	1
278	−8°	2228	8	0.1	−8	0.9	9.2	1
279	−8°	2226	87	59.8	−8	10.0	9.1	1
280	−8°	2232	8	0.6	−8	9.5	8.2	1
281	−7°	2355	8	0.8	−7	58.3	9.1	1
282	−8°	2235	8	1.1	−8	19.1	8.4	1
283	−7°	2363	8	2.0	−7	58.0	9.3	1
284	−8°	2241	8	2.0	−8	0.4	9.2	1
285	−8°	2246	8	2.4	−8	18.7	9.5	1
286	−8°	2243	8	2.1	−8	29.8	9.0	1
287	−8°	2238	8	1.3	−8	31.9	9.1	1
288	−8°	2230	8	0.4	−8	36.3	8.8	1
289	−8°	2244	8	2.3	−8	49.5	9.2	1
290	−8°	2250	8	2.8	−8	46.7	9.2	1
291	−9°	2398	8	2.8	−9	2.0	9.3	1
292	−9°	2399	8	3.1	−9	4.9	9.4	1
293	−9°	2400	8	3.1	−9	10.2	9.3	1
294	−9°	2404	8	3.6	−9	10.9	7.3	1
295	−8°	2254	8	4.0	−8	56.6	8.8	1
296	−8°	2258	8	4.4	−8	30.9	9.2	1
297	−8°	2257	8	4.4	−8	40.0	9.3	1

Cards made out

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1913phae.proj.2153C

Saturday Aug. 30, 1913

B 2,1394 short.

	Nos.	Dur.	class	Remark
	298	6	K2	
	299	3	A0	
Irive 2,30	300	2	F5	
Sept 1, 1913	301	1	A	
Irive 12,20	302	2	G5	
	303	1	K0	
	304	2	G5	
	305	1	K5	
	306	1	K0	
	307	1	A5	
	308	2	K5	
	309	3	K0	
	310	4	F0	
	311	3	F8	
	312	1	K0	
	313	2	A2	
	314	2	G	
	315	2	K0	
	316	2	A0	another plate superposed at search
	317	6	K5	
	318	3	K2	
	319	1	K5	
Irive 12,25	320	3	F0	
	~~321~~			

enh. 135,56

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1913phae.proj.2153C

298	−8°	2259	8	4.6	−8	56.5	8.3 1 v
299	−8°	2265	8	5.5	−8	28.2	9.3 1 v
300	−9°	2419	8	5.5	−9	0.1	9.4 1 v
		2284	8	5.5	−3	48.6	9.5
301	−3°	2265	8	5.7	−3	49.1	9.2 v
302	−3°	2258	8	6.0	−3	44.0	9.1 1 v
303	−3°	2260	8	6.2	−3	38.2	8.7 1 v
304	−3°	2264	8	6.7	−3	37.7	8.9 1 v
305	−3°	2306	8	12.7	−3	19.4	9.0 1 v
306	−3°	2308	8	12.9	−3	25.5	9.1 1 v
307	−3°	2311	8	13.6	−3	28.9	9.6 1 v
308	−3°	2315	8	13.9	−3	50.0	9.0 1 v
309	−3°	2314	8	13.8	−3	57.5	8.4 1 v
310	−4°	2310	8	14.0	−4	6.5	8.7 1 v
311	−3°	2317	8	14.4	−3	59.7	9.0 1 v
312	−4°	2315	8	14.9	−4	38.8	9.0 1 v
313	−5°	2496	8	12.9	−5	12.4	9.5 1 v
314	−5°	2501	8	13.8	−5	3.8	9.2 1 v
315	−5°	2504	8	14.3	−5	3.3	8.9 1 v
316	−5°	2509	8	15.0	−5	14.2	9.4 1 v −5° 2508 superposed magn. 9.7
317	−5°	2519	8	17.0	−5	12.8	7.8 1 v
318	−5°	2522	8	18.0	−5	9.5	8.5 1 v
319	−5°	2520	8	17.7	−5	52.2	9.0 1 v
320	−7°	2450	8	15.0	−7	0.4	9.2 1 v

Identified by A.M.C. Dec. 5, 1913

Checked Dec. 20. 1913. H.D.W.

Cards made out by E.R.B.

Cards checked by A.M.C.

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1913phae.proj.2153C

Monday September 1. 1913

Time 11.06 B19226 Shot

No.	Int.	Class	Remark
1	4	K0	
2	2	K2	
3	6	K0	
4	2	K0	
5	7	K0	
6	7	F5	
7	4	A2	
8	4.	K0	
9	5	K2	
10	7	G5	
11	10	K0	
12	2	F5	
13	1	A5	
14	1	K5	
15	2	K0	
16	3	K0	
17	2	K2	
18	2	K5	
19	2	A2	
20	1	A0	
21	3	F8	
22	2	K5	
23	6	K0	
24	3	A0	
25	8	G5	
26	4	K0	
27	2	G5	

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1913phae.proj.2153C

1	−5°	2616	8	36.6	−5	30.6	8.3	∧∨
2	−5°	2620	8	37.3	−5	41.1	8.3	1∨
3	−5°	2619	8	36.8	−5	58.8	8.0	1∨
4	−6°	2713	8	37.8	−6	0.5	9.0	1∨
5	−6°	2714	8	38.2	−6	27.3	7.2	1∨
6	−6°	2717	8	38.7	−6	26.2	8.4	1∨
7	−6°	2718	8	38.8	−6	11.5	9.0	1∨
8	−6°	2719	8	38.8	−6	0.5	8.3	1∨
9	−5°	2625	8	39.2	−5	53.0	8.0	∧∨
10	−6°	2723	8	39.9	−6	13.6	8.5	1∨
11	−6°	2727	8	40.9	−6	1.1	6.8	1∨
12	−5°	2635	8	40.9	−5	53.5	9.2	∧∨
13	−5°	2637	8	41.2	−5	59.6	9.5	∧∨
14	−5°	2629	8	39.8	−5	48.3	9.1	∧∨
15	−5°	2624	8	39.1	−5	28.6	9.0	∧∨
16	−5°	2630	8	40.2	−5	28.0	8.8	∧∨ mags. 9.8 −5° 2631 superposed
17	−5°	2632	8	40.2	−5	22.5	8.9	∧∨
18	−5°	2633	8	40.3	−5	12.8	8.8	∧∨
19	−5°	2628	8	39.8	−5	1.1	9.4	∧∨
20	−4°	2454	8	40.2	−4	36.9	9.5	∧∨
21	−4°	2456	8	40.6	−4	54.2	8.3	∧∨
22	−5°	2638	8	41.2	−5	0.4	8.7	∧∨
23	−4°	2461	8	41.8	−4	42.3	7.5	∧∨
24	−5°	2640	8	42.3	−5	18.1	9.3	∧∨
25	−5°	2642	8	42.5	−5	9.4	7.2	∧∨
26	−5°	2644	8	42.8	−5	26.7	8.5	∧∨
27	−4°	2468	8	43.2	−4	59.1	9.1	∧∨

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1913phae.proj.2153C

Monday September 1, 1913

B19226

No.	Int.	Class	Remark
28	3	F2	
29	4	F0	
30	5	F0	
31	6	F2	
32	7	F5	
33	7	K0	
34	1	G	
35	1	K5	
36	2	F0	
37	5	F0	
38	8	A0	
39	4	F0	
40	1	F5	
41	10+	A2	
42	5	K0	
43	4	G0	
44	5	A5	
45	2	A3	
46	4	G5	
47	10	G0	
48	3	A5	
49	1	K0	
50	1	K5	
51	2	A0	
52	1	K2	
53	4	K0	
54	2	F0	

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1913phae.proj.2159c

28	−4°	2467	8	42.9	−4	42.4	8.7
29	−4°	2470	8	43.6	−4	51.2	8.8
30	−4°	2475	8	44.4	−4	51.6	8.8
31	−5°	2648	8	44.1	−5	14.1	8.5
32	−5°	2651	8	44.4	−5	25.7	8.5
33	−5°	2647	8	44.0	−5	41.9	8.0
34	−5°	2650	8	44.1	−5	43.6	9.3
35	−5°	2646	8	43.7	−5	49.3	9.0
36	−5°	2652	8	44.9	−5	23.1	9.5
37	−5°	2653	8	45.2	−5	46.0	8.9
38	−6°	2744	8	44.6	−6	14.3	8.2
39	−6°	2740	8	43.7	−6	31.4	8.7
40	−6°	2741	8	44.1	−6	25.9	9.3
41	−6°	2743	8	44.4	−6	38.5	6.3
42	−5°	2656	8	46.2	−5	40.1	7.8
43	−5°	2657	8	46.5	−5	22.5	8.7
44	−5°	2658	8	46.8	−5	22.3	8.5
45	−5°	2660	8	47.1	−5	20.5	9.0
46	−5°	2661	8	47.2	−5	29.9	8.5
47	−4°	2490	8	47.1	−4	53.0	6.0
48	−4°	2491	8	47.3	−4	44.7	8.4
49	−5°	2655	8	46.2	−5	3.4	9.1
50	−5°	2665	8	48.4	−5	10.5	9.1
51	−5°	2667	8	48.7	−5	22.1	9.4
52	−5°	2666	8	48.4	−5	32.1	9.0
53	−5°	2668	8	48.9	−5	43.3	8.3
54	−4°	2500	8	49.7	−4	45.1	9.1

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Monday September 1, 1913

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No.	Int.	Class	Remark
55	1	K0	
56	4	F0	
57	5	A0	
58	3	B5	
59	5	F8	
60	3	A3	
61	6	A5	
62	4	F2	
63	7	A2	
64	2	K2	
65	4	F5	
66	6	A2	
67	3	K5	
68	3	A3	
69	7	F0	
70	7	K5	
71	3	K0	
72	2	K0	Another star superposed at north.
73	2	K0	
74	10	F2	
75	2	F5	
76	7	A5	E.
77	2	B5	
78	8	A0	
79	5	F2	
80	3	A0	
81	1	F5	

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1913phae.proj.21536

55	−5°	2670	8	50.4	−5	7.7	9.0 ∧ ∪
56	−5°	2671	8	50.6	−5	3.6	8.3 ∧ ∪
57	−5°	2675	8	51.2	−5	14.8	8.5 ∧ ∪
58	−5°	2676	8	51.6	−5	28.2	8.9 ∧ ∪
59	−5°	2680	8	51.9	−5	17.7	8.6 ∧ ∪
60	−5°	2683	8	52.4	−5	18.7	9.0 ∧ ∪
61	−5°	2679	8	51.9	−5	27.8	8.7 ∧ ∪
62	−5°	2684	8	52.6	−5	33.1	8.5 ∧ ∪
63	−5°	2689	8	53.7	−5	42.0	8.3 ∧ ∪
64	−5°	2694	8	55.0	−5	20.5	9.2 ∧ ∪ magn. 9.2 −5° 2693 superposed
65	−5°	2698	8	56.2	−5	21.8	8.3 ∧ ∪
66	−4°	2522	8	55.0	−4	53.1	8.3 ∧ ∪
67	−4°	2519	8	54.8	−4	28.2	8.3 ∧ ∪
68	−4°	2521	8	54.9	−4	30.4	9.1 ∧ ∪
69	−3°	2532	8	53.7	−3	57.1	8.0 ∧ ∪
70	−3°	2535	8	54.3	−3	53.5	6.8 ∧ ∪
71	−4°	2508	8	52.3	−4	0.4	8.3 ∧ ∪
72	−4°	2513	8	52.6	−4	13.5	8.5 ∧ ∪ magn. 9.0 −4° 2512 superposed
73	−4°	2514	8	53.0	−4	22.7	8.7 ∧ ∪
74	−4°	2503	8	50.7	−4	18.2	6.8 ∧ ∪
75	−3°	2522	8	51.2	−3	44.5	8.5 ∧ ∪
76	−2°	2766	8	54.1	−2	47.7	7.7 ∧ ∪
77	~~−4°~~	2526	8	55.3	−4	6.3	8.9 ∧ ∪
78	−3°	2545	8	56.1	−3	52.3	8.0 ∧ ∪
79	−3°	2547	8	56.4	−3	51.2	8.3 ∧ ∪
80	−4°	2532	8	57.4	−4	0.9	8.6 ∧ ∪
81	−4°	2531	8	57.2	−4	25.3	9.0 ∧ ∪

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1913phae.proj.2153C

Monday September 1, 1913

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No	Dist	class	Remark
82	10	A0	
83	5	A5	
84	5	K2	
85	4	A5	
86	7	F5	
87	5	A2	
88	3	K0	
89	2	A5	Partly superposed on 88
90	3	K0	
91	1	F8	
92	5	A2	
93	1	A2	
94	1	G5	
95	2	K5	
96	2	K0	
97	2	F5	
98	2	Ma	
99	1	F8	
100	6	K0	
101	1	K0	
102	1	G0	
103	3	F5	
104	2	G0	
105	1	F0	
106	7	A3	
107	5	G0	
108	6	G0	E

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1913phae.proj.2153C

82	−4°	2530	8	56.5	−4	36.0	6.8
83	−3°	2553	8	57.0	−3	10.2	8.4
84	−3°	2563	8	57.8	−3	11.8	7.3
85	−3°	2555	8	57.2	−3	26.7	8.3
86	−3°	2562	8	57.7	−3	24.9	8.2
87	−3°	2566	8	57.9	−3	42.6	9.0
88	−4°	2533	8	57.7	−4	6.0	8.2
89	−4°	2534	8	57.8	−4	3.1	9.0
90	−4°	2537	8	58.1	−4	6.8	8.5
91	−5°	2695	8	55.2	−5	55.1	9.3
92	−6°	2787	8	54.2	−6	16.0	8.7
93	−6°	2791	8	54.5	−6	8.7	9.5
94	−6°	2795	8	54.9	−6	11.7	9.2
95	−6°	2794	8	54.8	−6	17.8	9.0
96	−6°	2789	8	54.4	−6	32.1	9.0
97	−6°	2793	8	54.7	−6	44.4	9.4
98	−6°	2784	8	53.7	−6	50.9	8.5
99	−7°	2694	8	53.8	−7	6.7	9.3
100	−7°	2696	8	54.3	−7	21.4	7.9
101	−7°	2700	8	54.7	−7	9.4	9.3
102	−6°	2797	8	55.3	−6	56.6	9.1
103	−7°	2707	8	56.5	−7	5.0	9.0
104	−6°	2801	8	56.3	−6	12.2	9.1
105	−6°	2806	8	57.1	−6	29.3	9.5
106	−7°	2714	8	58.6	−7	1.7	8.2
107	−6°	2817	8	59.4	−6	40.1	8.3
108	−6°	2825	9	0.7	−6	33.3	8.3

magn. 9.2 −3° 2567 superposed

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1913phae.proj.2153C

Monday, September 1, 1913

B 19226

No.	Int.	Class	Remark
109	3	A2	
110	6	A0	
111	2	K5	
112	3	F0	
113	4	K2	
114	2	F0	
115	7	K0	
116	2	K0	
117	2	F8	
118	8	A2	
119	5	A3	
120	2	A0	
121	1	K0	
122	1	G5	
123	3	K2	
124	1	G5	
125	6	F0	
126	5	F2	
127	1	Ma	
128	5	F5	
129	4	F8	
130	3	K0	
131	4	G5	
132	1	G5	Nearly all superposition on 133
133	7	A0	
134	4	A2	
135	3	A2	

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109	−6°	2821	8	59.8	−6	57.1	9.0 ∧ ∪
110	−7°	2725	9	0.4	−7	1.9	8.3 ∧ ∪
111	−7°	2721	~~8~~ 9	0.0	−7	12.7	8.4 ∧ ∪
112	−7°	2605	8	38.7	−7	11.2	9.0 ∧ ∪
113	−7°	2607	8	39.0	−7	3.3	8.0 ∧ ∪
114	−7°	2603	8	38.3	−7	41.2	9.1 ∧ ∪
115	−8°	2486	8	39.5	−8	7.4	7.5 ∧ ∪
116	−7°	2609	8	39.6	−7	56.5	8.7 ∧ ∪
117	−7°	2612	8	40.2	−7	46.7	9.1 ∧ ∪
118	−7°	2617	8	41.2	−7	26.3	7.8 ∧ ∪
119	−6°	2729	8	41.2	−6	47.1	9.0 ∧ ∪
120	−6°	2724	8	40.3	−6	30.7	9.4 ∧ ∪
121	−6°	2720	8	39.5	−6	44.1	9.3 ∧ ∪
122	−6°	2722	8	39.8	−6	48.3	9.3 ∧ ∪
123	−6°	2732	8	42.0	−6	14.5	8.5 ∧ ∪
124	−6°	2736	8	42.7	−6	5.1	9.4 ∧ ∪
125	−6°	2731	8	42.0	−6	28.2	8.2 ∧ ∪
126	−6°	2733	8	42.1	−6	34.4	8.7 ∧ ∪
		2627	8	42.3	−7	24.7	8.7
127	−7°	~~2624~~	8	41.9	−7	20.6	9.2 ∪
128	−7°	2634	8	43.7	−7	32.8	8.5 ∧ ∪
129	−7°	2639	8	44.9	−7	22.9	8.5 ∧ ∪
130	−7°	2637	8	44.8	−7	4.2	8.5 ∧ ∪
131	−7°	2641	8	45.3	−7	11.3	8.5 ∧ ∪
132	−7°	2647	8	46.1	−7	10,8	9.0 ∧ ∪
133	−7°	2649	8	46.2	−7	10.2	8.5 ∧ ∪
134	−7°	2653	8	46.7	−7	6.8	9.1 ∧ ∪
135	−6°	2756	8	46.8	−6	58.4	9.0 ∧ ∪

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1913phae.proj.2153C

Monday September 1, 1913
B19226

No.	Dist.	Class	Remark
136	3	K0	
137	3	G5	
138	3	K0	
139	2	A2	
140	1	A3	
141	7	B8	
142	1	K5	
143	7	B9	
144	8	A0	
145	1	F8	
146	1	K2	
147	4	F0	
148	1	K0	
149	3	K2	
150	6	F5	
151	4	A0	
152	1	K0	
153	3	F0	
154	2	K5	
155	7	K0	
156	2	K2	
157	8	F5	
158	10	A0	
159	10	A0	
160	2	G5	
161	6	K0	
162	3	G0	

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1913phae.proj.2153C

136	−6°	2759	8	47.5	−6	49.4	8.9 1 v
137	−6°	2752	8	46.4	−6	3.0	8.8 1 v
138	−6°	2754	8	46.7	−6	3.5	9.0 1 v
139	−6°	2766	8	48.9	−6	29.0	9.3 1 v
140	−6°	2768	8	49.5	−6	19.2	9.5 1 v
141	−6°	2772	8	50.1	−6	11.4	8.3 1 v
142	−6°	2776	8	50.4	−6	12.4	9.0 1 v
143	−6°	2778	8	50.9	−6	22.6	8.5 1 v
144	−6°	2774	8	50.4	−6	50.9	8.0 1 v
145	−6°	2777	8	50.7	−6	48.4	9.3 1 v
146	−7°	2671	8	50.3	−7	12.6	9.0 1 v
147	−7°	2665	8	49.3	−7	24.4	8.7 1 v
148	−7°	2668	8	49.5	−7	16.4	9.4 1 v
149	−7°	2669	8	49.7	−7	37.5	8.9 1 v
150	−6°	2781	8	52.9	−6	31.4	8.3 1 v
151	−8°	2538	8	50.6	−8	12.8	8.6 1 v
152	−7°	2677	8	51.3	−7	59.1	9.0 1 v
153	−8°	2541	8	51.7	−8	6.4	8.9 1 v
154	−8°	2545	8	52.4	−8	1.5	8.6 1 v
155	−8°	2543	8	52.3	−8	26.0	7.8 1 v
156	−8°	2546	8	52.6	−8	40.0	8.7 1 v
157	−8°	2549	8	53.3	−8	33.4	7.5 1 v
158	−8°	2551	8	53.7	−8	38.0	7.0 1 v
159	−8°	2554	8	54.0	−8	39.3	7.5 1 v
160	−7°	2699	8	54.6	−7	58.8	9.0 1 v
161	−7°	2701	8	54.9	−7	48.2	7.3 1 v
162	−7°	2704	8	55.6	−7	55.9	8.7 1 v

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1913phae.proj.2153C

Monday, September 1, 1913

B 19226

No.	Dur.	Class	Remark
163	3	a2	
164	1.	K2	
165	3	K0	
166	2	a0	
167	4	g0	
168	7	a2	
169	5	a3	
170	2	k0	
171	3	a0	
172	4.	g5	
173	3	a2	
174	3.	a3	
175	4	f5	
176	3	f0	
177	2.	f8	
178	1	a0	
179	2.	f0	
180	6	f0	
181	9	a5	
182	1	f8	
183	1	K	
184	5	K2	
185	6	f0	
186	1	K	
187	6	f5	
188	2	a2	
189	7	Comp	Br = f0 H = a2. K = 0,10 ~~H~~ H

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1913phae..proj..2153C

163	-7°	2709	8	56.7	-7	49.4	9.0 1 ✓
164	-7°	2712	8	56.9	-7	38.3	9.0 1 ✓
165	-8°	2570	8	56.6	-8	0.7	8.5 1 ✓
166	-8°	2571	8	56.8	-8	7.8	9.2 1 ✓
167	-8°	2564	8	55.6	-8	24.3	8.4 1 ✓
168	-8°	2568	8	56.1	-8	25.3	7.8 1 ✓
169	-8°	2569	8	56.3	-8	27.0	8.6 1 ✓
170	-8°	2565	8	55.7	-8	49.5	8.7 1 ✓
171	-8°	2573	8	57.2	-8	48.2	8.9 1 ✓
172	-7°	2693	8	53.5	-7	17.5	9.1 1 ✓
173	-8°	2492	8	41.3	-8	59.7	8.5 1 ✓
174	-9°	2663	8	41.6	-9	10.0	8.8 1 ✓
175	-8°	2494	8	41.7	-8	9.8	8.5 1 ✓
176	-8°	2498	8	42.1	-8	17.8	9.0 1 ✓
177	-7°	2623	8	41.9	-7	45.3	9.1 1 ✓
178	-7°	2625	8	42.1	-7	51.6	9.4 1 ✓
179	-7°	2626	8	42.2	-7	54.3	9.2 1 ✓
180	-8°	2499	8	42.5	-8	4.7	8.0 1 ✓
181	-8°	2500	8	42.6	-8	6.2	6.8 1 ✓
182	-8°	2503	8	44.2	-8	25.0	8.9 1 ✓
183	-8°	2508	8	44.6	-8	25.7	9.0 1 ✓
184	-8°	2504	8	44.3	-8	35.2	7.5 1 ✓
185	-8°	2501	8	44.1	-8	53.2	7.7 1 ✓
186	-8°	2507	8	44.5	-8	34.2	9.0 1 ✓
187	-8°	2509	8	44.7	-8	35.1	8.2 1 ✓
188	-8°	2516	8	46.7	-8	23.8	9.0 1 ✓
189	-8°	2518	8	47.2	-8	12.8	7.0 1 ✓

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1913phae.proj.2153C

Monday September 1, 1913
B 19226

No.	Int.	class	Remark
190	7	a5	
191	10	a2	
192	1	F8	
193	1	K0	
194	1	K0	
195	5	a2	
196	2	K2	
197	7	F2	
198	1	G5	
199	7	K0	
June 11.40 200	2	K0	
~~201~~			
Friday Jan. 2, 1914			
201	4	K0	
202	3	a2	
203	1	K2	
204	1	B0	
205	4	K0	
206	2	K5	
207	2	F8	
208	6	F0	
209	2	K5	
210	2	K0	
211	2	K2	
212	3	K5	
213	3	K2	
214	3	a0	

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1913phae..proj..2153C

190	−7°	2658	8	47.8	−7	16.2	7.8	1 ✓
191	−7°	2661	8	48.4	−7	25.1	6.3	1 –
192	−8°	2531	8	49.4	−8	2.7	9.2	1 ✓
193	−8°	2532	8	49.7	−8	30.7	8.8	1 ✓
194	−8°	2537	8	50.5	−8	33.3	9.3	1 –
195	−8°	2536	8	50.4	−8	51.4	8.5	1 ✓
196	−9°	2696	8	50.0	−9	4.1	8.5	1 ✓
197	−9°	2693	8	48.4	−9	22.5	7.5	1 ✓
198	−9°	2694	8	49.5	−9	22.7	8.8	1 ✓
199	−9°	2701	8	50.5	−9	31.7	7.3	1 ✓
200	−9°	2695	8	49.8	−9	47.2	8.5	1 ✓

Identified by AmC. Dec. 3, 1913

201	−2°	2714	8	44.3	−2	44.4	8.1	1 ✓
202	−2°	2709	8	43.5	−2	57.4	8.9	1 ✓
203	−3°	2482	8	42.6	−3	14.4	9.1	1 ✓
204	−3°	2487	8	43.3	−3	21.8	9.1	1 ✓
205	−4°	2471	8	43.6	−4	22.6	8.8	1 ✓
206	−4°	2476	8	44.5	−4	29.1	9.1	1 ✓
207	−4°	2478	8	45.0	−4	20.1	9.1	1 ✓
208	−3°	2496	8	45.9	−3	44.1	8.5	1 ✓
209	−3°	2497	8	45.9	−3	37.0	8.7	1 ✓
210	−4°	2489	8	47.0	−4	1.6	9.0	1 ✓
211	−4°	2465	8	42.6	−4	11.9	8.9	1 ✓
212	−3°	2478	8	41.4	−3	59.4	8.3	1 ✓
213	−3°	2473	8	40.3	−3	25.7	8.2	1 ✓
214	−3°	2469	8	39.4	−3	26.0	9.0	1 ✓

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1913phae.proj.2153C

Friday January 2, 1914

B 19226. Ghosts

No.	Dist	Class	Remark
215	3	Fo	
216	2	A5	
217	1	Ko	
218			
219	9	Bg	

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1913phae.proj.2153C

215 −4°	2441 8	37.9 −4	13.6	8.8	1 ✓
216 −4°	2440 8	37.7 −4	33.6	9.1	1 ✓
217 −4°	2447 8	39.0 −4	37.8	9.0	1 ✓

Identified by AMC Jan. 15, 1914

Checked Jan. 31. 1914 PDW.

Cards made out by G.R.B.

Cards checked by AM.C.

✓ 219 −7° 2587 8 35.4 −7 5-8 7.0 162 on B 1911 36

1913phae.proj.2153C

Tuesday September 2, 1913

Time 11.00 B 19136 short

No.	Int.	Class	Remark
1	4	A0	
2	2	K0	
3	2	G5	
4	4	A0	
5	4	K2	
6	10	F5	
7	* 2	K5	
8	2	A2	
9	2	G5	
10	3	F2	
11	2	G5	
12	1	F5	
13	3	K5	
14	2	A5	
15	3	K0	
16	5	A2	
17	1	A0	
18	4	F0	Another star superposed on following edge
19	4	A5	
20	8	A0	
21	7	B8	
22	1	K0	
23	4	Nc	
24	5	B9	
25	7	K0	
26	3	K0	
27	2	G0	

Cont on page 194

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1913phae.proj.2153C

1	−5°	2523	8	18.4	−5	0.9	8.6	1 ∨
2	−5°	2525	8	18.9	−5	3.4	8.8	1 ∨
3	−5°	2526	8	19.0	−5	16.2	9.1	1 ∨
4	−5°	2527	8	19.1	−5	23.7	8.6	1 ∨
5	−5°	2529	8	19.8	−5	43.8	7.8	1 ∨
6	−5°	2530	8	20.2	−5	55.7	7.0	1 ∨
7	−6°	2591	8	19.2	−6	0.3	8.5	1 ∨
8	−6°	2595	8	20.2	−6	10.4	9.5	1 ∨
9	−6°	2596	8	20.3	−6	5.2	9.2	1 ∨
10	−6°	2603	8	21.0	−6	9.5	9.0	1 ∨
11	−6°	2604	8	21.1	−6	15.7	9.0	1 ∨
12	−6°	2602	8	20.8	−6	24.6	9.1	1 ∨
13	−6°	2599	8	20.7	−6	44.7	7.5	1 ∨
14	−6°	2601	8	20.8	−6	48.2	8.8	1 ∨
15	−6°	2606	8	21.4	−6	52.3	8.3	1 ∨
16	−7°	2499	8	21.7	−7	3.9	8.0	1 ∨
17	−7°	2502	8	22.8	−7	14.0	9.1	1 ∨
18	−7°	2505	8	23.2	−7	15.6	8.8	1 ∨ −7° 2506 magn. 8.8 superposed
19	−7°	2508	8	23.4	−7	31.4	8.6	1 ∨
20	−6°	2617	8	23.3	−6	32.9	7.4	1 ∨
21	−6°	2620	8	23.5	−6	40.3	7.8	1 ∨
22	−6°	2618	8	23.3	−6	14.3	9.1	1 ∨
23	−5°	2550	8	22.5	−5	50.3	8.4	1 ∨
24	−5°	2547	8	~~21.9~~ 22.3	−5	~~23.6~~ 32.1	~~7.7~~ 8.7	1 ∨
25	−5°	2544	8	21.9	−5	23.6	7.7	1 ∨
26	−5°	2545	8	22.0	−5	9.3	8.8	1 ∨
27	−5°	2541	8	21.5	−5	14.7	8.8	1 ∨

ands made out

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1913phae.proj.2153C

Monday, September 1, 1913

Time 12.00 B24493 short

No.	Int.	Class	Remark
1	2	K2	E
21	3	A0	
3	2	A0	
4	1	K	
5	1	K	
6	3	A0	
7	3	F2	
8	2	A2	
9	3	A0	
10	1	A5	
11	1	K5	
12	1	K	
13	1	K5	
14	2	F8	
15	2	Ma	
16	3	F0	
17	2	A3	
18	2	A3	
19	2	F5	
20	5	F8	Focus poor. +1° 2017 mag. 8.0 superposed, probably Clark
20a	2	F8	
21	1	K5	
22	1	K	
23	2	F8	
24	5	A2	
25	5	A2	
26	4	K0	
27	2	A0	

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1913phae.proj.2153C

1	+0°	2145	7	51.4	+0	23.6	8.5 1 ✓
2	+0°	2150	7	52.4	+0	51.7	9.0 1 ✓
3	+0°	2157	7	53.2	+0	19.8	9.0 1 ✓
4	+0°	2158	7	53.7	+0	5.8	8.9 1 ✓
5	+0°	2162	7	54.3	+0	21.5	8.4 1 ✓
6	−0°	1886	7	54.8	−0	34.5	9.0 1 ✓
7	−0°	1894	7	56.6	−0	38.8	9.2 1 ✓
8	+0°	2176	7	57.3	+0	17.0	9.0 1 ✓
9	+0°	2179	7	57.5	+0	30.0	9.0 1 ✓
10	+0°	2190	7	59.3	+0	23.7	9.0 1 ✓
11	+0°	2192	7	59.6	+0	33.6	8.5 1 ✓
12	+0°	2193	7	59.9	+0	37.2	9.0 1 ✓
13	−0°	1902	7	58.1	−0	32.1	9.0 1 ✓
14	−0°	1914	8	0.6	−0	24.6	8.8 1 ✓
15	−0°	1917	8	1.1	−0	36.8	8.5 1 ✓
16	−0°	1921	8	1.7	−0	23.3	9.0 1 ✓
17	+0°	2205	8	2.1	+0	6.6	8.9 1 ✓
18	+0°	2204	8	2.0	+0	32.8	9.1 1 ✓
19	+0°	2207	8	2.6	+0	32.7	9.0 1 ✓
20a	+0°	2211	8	3.0	+0	45.5	8.8 1 ✓
20	+1°	2018	8	3.8	+1	41.4	9.0 1 ✓ +1° 2018 Super. magn. 9.0
21	+1°	2023	8	4.3	+1	2.3	8.7 1 ✓
22	+1°	2022	8	4.3	+1	0.7	8.7 1 ✓
23	+1°	2027	8	5.2	+1	16.6	9.0 ✓
24	−0°	1931	8	4.5	−0	21.4	9.0 1 ✓
25	−0°	1928	8	4.1	−0	47.4	9.0 1 ✓
26	−0°	1927	8	3.6	−0	44.7	8.5 1 ✓
27	−0°	1926	8	3.1	−0	47.7	9.0 1 ✓

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1913phae.proj.2153C

Monday September 1, 1913

B 2449 3

No	Dist	Class	Remarks
28	~~2~~ 3	ao ~~Fo~~	
29	2	Fo	
30	3	Fo	
31	1	ao	
32	3	Fo	
33	1	F8	
34	3	a2	
35	1	a	Nearly all superposed on 34
36	5	Fo	
37	3	F5	
38	1	Ko	
39	3	ao	
40	4	Ko	
41	1	Ko	
42	3	F5	
43	2	G5	
44	1	Ko	
45	3	G5	
46	2	Fo	
47	3	F5	
48	4	F5	
49	3	a3	
50	2	a2	
51	3	a3	
52	2	K5	
53	2	Fo	
54	2	ao	

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1913phae.proj.21530

28	−0°	1923	8	2.7	−0	33.5	9.0
29	−1°	1965	8	1.7	−1	12.0	9.0
30	−1°	1968	8	2.0	−1	13.7	8.8
31	−1°	1970	8	2.4	−1	29.5	9.4
32	−1°	1969	8	2.3	−1	45.9	9.0
33	−1°	1972	8	2.5	−1	46.6	9.2
34	−1°	1975	8	3.8	−1	51.7	9.4
35	−1°	1974	8	3.7	−1	48.2	9.4
36	−2°	2472	8	4.0	−2	10.4	8.5
37	−2°	2482	8	5.7	−2	2.2	8.7
38	−1°	1982	8	5.2	−1	32.2	9.0
39	−1°	1981	8	5.1	−1	20.8	9.2
40	−1°	1988	8	6.0	−1	0.2	8.6
41	−0°	1940	8	6.4	−0	48.9	9.0
42	−1°	1990	8	7.1	−1	1.0	8.8
43	−0°	1945	8	7.4	−0	55.7	9.0
44	−1°	1992	8	7.3	−1	31.1	8.8
45	−1°	1994	8	7.7	−1	33.9	8.8
46	−1°	1996	8	8.5	−1	10.1	9.0
47	−2°	2513	8	10.3	−2	17.4	9.0
48	−2°	2511	8	9.9	−2	46.3	8.3
49	−2°	2515	8	10.9	−2	36.1	9.0
50	−2°	2498	8	8.3	−2	45.3	9.0
51	−2°	2384	7	54.8	−2	23.0	8.7
52	−1°	1926	7	54.7	−1	53.1	8.6
53	−1°	1929	7	55.4	−1	27.2	9.0
54	−1°	1931	7	55.8	−1	43.5	9.0

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1913phae.proj.2153C

Monday, September 1, 1913

B24493

No.	Dist.	Class	Remark
55	3	K0	
56	4	a2	
57	2	a0	
58	1	a0	
59	1	a2	
60	3	f8	
61	4	a0	
62	2	K2	
63	3	K2	
64	1	g	
65	1	K2	
66	1	K	
67	4	f8	
68	1	K	
69	1	K5	
70	4	a2	
71	1	g	
72	3	K0	
73	2	g0	
74	3	f2	
75	3	f5	
76	2	f8	
77	1	g0	
78	4	f8	
79	4	a0	
80	3	f5	
81	4	a2	

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1913phae.proj.2153c

55	-2°	2407	7	57.1	-2	10.9	8.5 ∧∨
56	-2°	2415	7	57.8	-2	16.6	9.0 ∧∨
57	-1°	1947	7	58.1	-1	59.7	9.3 ∧∨
58	-1°	1946	7	58.1	-1	50.0	9.3 ∧∨
59	-1°	1949	7	58.5	-1	18.5	9.0 ∧∨
60	-2°	2424	7	58.8	-2	22.0	8.5 ∧∨
61	-2°	2430	7	59.6	-2	33.7	8.8 ∧∨
62	-3°	2208	7	59.3	-3	5.6	8.7 ∧∨
63	-2°	2435	8	0.0	-2	57.2	8.8 ∧∨
64	-2°	2438	8	0.0	-2	43.4 33.7	9.8 ∧∨
65	-2°	2436	8	0.1	-2	43.1	9.0 ∧∨
66	-2°	2439	8	0.5	-2	33.7	9.3 ∧∨
67	-2°	2447	8	1.2	-2	6.8	9.0 ∧∨
68	-2°	2454	8	1.7	-2	59.4	9.0 ∧∨
69	-2°	2461	8	2.4	-2	33.3	9.1 ∧∨
70	-2°	2463	8	2.6	-2	31.0	9.0 ∧∨
71	-2°	2460	8	2.4	-2	17.8	9.2 ∧∨
72	-2°	2471	8	3.9	-2	32.5	9.0 ∧∨
73	-2°	2475	8	4.6	-2	27.9	9.0 ∧∨
74	-3°	2245	8	4.4	-3	22.2	8.8 ∧∨
75	-3°	2240	8	4.0	-3	38.8	8.5 ∧∨
76	-3°	2252	8	5.1	-3	30.9	9.0 ∧∨
77	-3°	2239	8	4.0	-3	59.7	8.7 ∧∨
78	-3°	2191	7	56.2	-3	4.0	8.5 ∧∨
79	-2°	2399	7	56.4	-2	43.6	8.9 ∧∨
80	-2°	2406	7	56.9	-2	59.1	9.0 ∧∨
81	-3°	2196	7	57.1	-3	8.6	8.7 ∧∨

Faint illegible chart plate

-2° 2438 8 0.4 -2 31.7 magn. 9.5 superposed.

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1913phae.proj.2153C

Monday September 1, 1913

B24493

No.	Int.	class	Remark
82	3	A3	
83	[illegible]	[illegible] Ko	E
Time 12.15 84	2	Ko	E
~~85~~			
~~86~~			
85	4	Ao	
86	3	A3	
87	3	Ao	
88	3	Ma	

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1913phae.proj.2153c

82	−3°	2199	7	57.4	−3	25.9	8.7	∧ ~
83	−3°	2195	7	56.8	−3	30.9	9.0	∧ ~
84	−3°	2198	7	57.2	−3	34.7	9.0	∧ ~

Identified by AMC. Jan. 26, 1914
Checked Feb. 27, 1914. FDW.
Cards made out by G.R.B.
Cards checked by AMC.

~	85	−0°	1919	8	1.3	−0	59	8.7	173 on γ 38271
~	86	+0°	2199	8	1.0	+0	32	8.5	169 " "
~	87	+0°	2201	8	1.7	+0	42	8.8	168 " "
~	88	−4	2235	8	2.0	−4	8	7.5	44 on 38207

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1913phot.proj.21536

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1913phae.proj.2153C

Tuesday September 2, 1913

cont from Page 182 B 19136

No.	Dist.	Class	Remarks
28	2	A_0	
29	2	F_5	
30	2	K_0	
31	1	K_0	The following of two.
32	9	G_0	
33	6	G_5	
34	1	F	
35	3	A_0	The following of this
36	3	A_3	
37	2	F_0	
38	7	A_5	
39	6	F_8	
40	1	A_3	
41	10	F_0	
42	6	A_2	
43	9	K_0	
44	4	K_0	
45	2	F_2	
46	1	F_0	
47	3	A	Partly superposed on 48
48	3	A_5	
49	2	K_0	Partly superposed on 50
50	9	K_0	
51	5	A_0	
52	1	K_5	
53	3	K_5	
54	4	F_8	

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1913phae.proj.2153C

28	−5°	2542	8	21.5	−5	27.5	9.5 ∧ ∨
29	−5°	2537	8	20.8	−5	11.2	9.0 ∧ −
30	−5°	2538	8	20.8	−5	26.8	9.0 ∧ ∨
31	−5°	2535	8	20.8	−5	33.5	9.0 ∧ ∨
32	−4°	2347	8	20.4	−4	40.3	7.5 ∧ ∨
33	−6°	2585	8	18.1	−6	41.5	8.0 ∧ ∨
34	−7°	2469	8	17.7	−7	17.2	9.1 ∧ ∨
35	−7°	2474	8	18.2	−7	24.0	9.2 ∧ ∨
36	−7°	2475	8	18.4	−7	35.8	9.1 ∧ ∨
37	−7°	2479	8	18.7	−7	47.4	9.0 ∧ ∨
38	−7°	2482	8	19.2	−7	31.0	8.2 ∧ ∨
39	−7°	2484	8	19.5	−7	36.9	8.5 ∧ ∨
40	−7°	2480	8	18.8	−7	20.8	9.5 ∧ ∨
41	−8°	2355	8	19.1	−8	2.2	7.0 ∧ ∨
42	−7°	2485	8	19.8	−7	59.6	8.3 ∧ ∨
43	−8°	2352	8	18.6	−8	28.9	6.3 ∧ ∨
44	−8°	2353	8	18.9	−8	18.5	7.8 ∧ ∨
45	−8°	2369	8	20.8	−8	41.6	9.0 ∧ ∨
46	−8°	2359	8	19.9	−8	16.4	9.1 ∧ ∨
47	−8°	2366	8	20.5	−8	4.2	9.0 ∧ ∨
48	−8°	2367	8	20.6	−8	9.7	8.9 ∧ ∨
49	−8°	2373	8	21.2	−8	14.7	8.8 ∧ ∨
50	−8°	2374	8	21.3	−8	19.9	6.5 ∧ ∨
51	−8°	2381	8	22.2	−8	32.4	8.5 ∧ ∨
52	−7°	2491	8	20.8	−7	36.5	8.5 ∧ ∨
53	−7°	2495	8	21.3	−7	43.9	8.0 ∧ ∨
54	−7°	2496	8	21.5	−7	42.6	8.5 ∧ ∨

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Tuesday September 2, 1913
B1913.6

No.	Int.	Class	Remark
55	1	K5	
56	8	A0	
57	4	K0	
58	4	A0	
59	1	K0	
60	1	K0	
61	2	F0	
62	3	K0	
63	6	F5	
64	8	F0	
65	4	K0	
66	5	B8	
67	7	K0	
68	3	A0	
69	10	F2	
70	2	F0	
71	1	K5	
72	6	A0	
73	4	A0	
74	2	A5	
75	3	F0	
76	2	A5	Partly superposed on 77
77	6	A3	
78	7	A0	
79	4	A5	
80	5	m	
81	7	A2	

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1913phae.proj.2153c

55	-8°	2385	8	22.8	-8	12.1	8.8
56	-8°	2394	8	24.7	-8	22.2	7.3
57	-7°	2515	8	24.5	-7	53.7	8.2
58	-8°	2391	8	24.2	-8	57.9	8.0
59	-8°	2393	8	24.5	-8	50.7	8.7
60	-9°	2552	8	24.5	-9	2.9	8.9
61	-9°	2551	8	24.3	-9	15.9	9.0
62	-9°	2550	8	24.3	-9	26.0	8.3
63	-9°	2545	8	23.7	-9	22.0	8.0
64	-9°	2543	8	23.6	-9	43.1	7.3
65	-9°	2542	8	23.5	-9	48.1	8.0
66	-10°	2546	8	23.4	-10	8.1	8.1
67	-9°	2539	8	22.9	-9	59.4	7.0
68	-9°	2529	8	21.4	-9	45.4	8.3
69	-9°	2532	8	21.9	-9	16.2	6.3
70	Cannot find			horizon A. J. C.			
71	Cannot find			"		"	
72	-8°	2323	8	15.3	-8	40.0	8.2
73	-8°	2328	8	15.9	-8	7.5	8.5
74	-8°	2332	8	15.9	-8	0.6	9.0
75	-7°	2457	8	16.4	-7	45.9	9.0
76	~~-8°~~ -7°	~~2339~~ 2460	8	~~16.8~~ 16.7	~~-8~~ -7	~~0.3~~ 59.6	~~8.4~~ 9.1
77	~~-8°~~ -8°	~~2460~~ 2339	8	~~16.8~~ 16.8	~~-8~~ -8	~~59.6~~ 0.3	~~9.1~~ 8.4
78	-7°	2463	8	17.1	-7	56.5	8.3
79	-7°	2466	8	17.5	-7	51.7	8.9
80	~~-8°~~ -7°	~~2465~~ 2343	8	~~17.8~~ 17.4	~~-8~~ -8	~~56.9~~ 3.2	~~8.1~~ 7.4
81	-8°	2545	8	17.6	-8	27.6	8.1

-7° 2460 & 174-7 525 nicyn. 9.0 superposed.

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1913phae.proj.2153C

Tuesday September 2, 1913

B 19136

No.	Int.	Class	Remark
82	6	a_3	
83	3.	a_2	
84	3	K_0	
85	4	K_0	
86	5	a_0	
87	7	B8	
88	1	a_3	
89	2.	a_0	
90	2.	a_0	
91	3	K_0	
92	4	Ma	
93	8	f_2	
94	3	a_2	
95	1	g_5	
96	4	a_0	
97	1	K	
98	6	a_0	
99	2	a_0	
100	2	K_5	
101	1	f_8	
102	1	K_5	
103	5	a_0	
104	2	f_8	
105	8	g_5	
106	1	g_5	
107	3	f_5	
108	1	K_0	

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1913phae.proj.2153c

82	-8°	2341	8	17.0	-8	22.3	8.5 1 ✓
83	-8°	2338	8	16.8	-8	29.5	9.0 1 ✓
84	-9°	2501	8	17.1	-9	9.8	8.5 1 ✓
85	-9°	2498	8	16.7	-9	30.3	8.2 1 ✓
86	-9°	2504	8	17.6	-9	34.1	8.5 1 ✓
87	-9°	2508	8	18.2	-9	19.4	7.2 1 ✓
88	-8°	2401	8	25.7	-8	33.6	9.5 1 ✓
89	-8°	2402	8	26.0	-8	41.4	9.1 1 ✓
90	-9°	2564	8	26.2	-9	7.5	9.0 1 ✓
91	-9°	2569	8	26.4	-9	29.5	8.1 1 ✓
92	-9°	2571	8	26.8	-9	30.5	7.3 1 ✓
93	-9°	2574	8	27.2	-9	27.4	7.5 1 ✓
94	-8°	2415	8	27.8	-8	50.4	8.6 1 ✓
95	-8°	2417	8	28.0	-8	54.5	9.2 1 ✓
96	-8°	2418	8	28.0	-8	13.0	9.0 1 ✓
97	-8°	2420	8	28.4	-8	17.8	9.0 1 ✓
98	-7°	2533	8	27.2	-7	48.3	8.5 1 ✓
99	-7°	2528	8	26.4	-7	40.1	9.3 1 ✓
100	-7°	2527	8	26.3	-7	25.0	8.3 1 ✓
101	-6°	2630	8	25.3	-6	56.7	8.8 1 ✓
102	-6°	2628	8	24.8	-6	31.0	8.9 1 ✓
103	-6°	2636	8	26.4	-6	44.6	8.0 1 ✓
104	-5°	2567	8	25.9	-5	49.8	8.9 1 ✓
105	-5°	2566	8	25.4	-5	24.7	7.7 1 ✓
106	-5°	2565	8	24.9	-5	22.2	9.3 1 ✓
107	-5°	2564	8	24.5	-5	49.9	9.1 1 ✓
108	-5°	2563	8	24.4	-5	35.9	9.1 1 ✓

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1913phae.proj.2153C

Tuesday, September 2, 1913

B 19136

No.	Dist	Class	Remark
109	1	F2	
110	1	K2	
111	1	G	
112	3	K2	
113	7	F2	
114	7	B9	
115	5	A2	
116	2	G0	
117	7	K0	
118	10	A2	
119	8	F8	
120	2	K0	
121	6	F5	
122	3	F2	
123	3	F8	
124	3	A0	
125	1	G0	
126	1	K5	
127	1	K0	
128	2	F2	
129	2	K2	
130	5	A0	
131	2	G5	
132	10+	A	Burned out.
133	2	A2	
134	3	F0	
135	4	A3	

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1913phae.proj.2153C

109	−5°	2562	8	24.2	−5	30.4	9.3
110	−6°	2625	8	24.4	−6	2.4	9.0
111	−6°	2623	8	24.2	−6	10.3	9.3
112	−5°	2574	8	26.8	−5	59.0	8.3
113	−6°	2642	8	27.3	−6	5.7	8.5
114	−5°	2573	8	26.8	−5	45.2	8.3
115	−5°	2572	8	26.8	−5	32.1	8.7
116	−5°	2570	8	26.4	−5	31.7	9.2
117	−4°	2377	8	25.1	−4	37.1	7.5
118	−4°	2379	8	26.0	−4	43.9	7.0
119	−4°	2380	8	26.1	−4	49.7	8.0
120	−4°	2376	8	24.9	−4	18.3	8.8
121	−4°	2383	8	26.7	−4	0.1	8.3
122	−4°	2382	8	26.6	−4	28.0	9.1
123	−4°	2386	8	27.4	−4	39.6	9.0
124	−5°	2582	8	28.2	−5	3.2	9.3
125	−6°	2646	8	27.8	−6	5.0	9.2
126	−6°	2648	8	28.1	−6	35.8	8.9
127	−6°	2649	8	28.5	−6	28.7	9.1
128	−6°	2654	8	29.1	−6	30.6	9.1
129	−6°	2658	8	29.8	−6	48.9	8.5
130	−7°	2552	8	30.0	−7	18.6	8.3
131	−7°	2537	8	28.3	−7	21.0	8.5
132	−7°	2540	8	28.4	−7	29.7	5.7
133	−8°	2428	8	30.1	−8	11.2	9.2
134	−8°	2427	8	30.1	−8	35.5	8.6
135	−9°	2597	8	29.9	−9	2.0	8.5

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Tuesday September 2, 1913

B 1913.6

No.	Int.	Class	Remark
136	7.	K0	
137	3	K0	
138	5	K0	
139	5	A0	
140	4	Mb	
141	3	K2	
142	2	F8	
143	1	G	
144	9	F5	
145	5	G5	
146	1	K2	
147	3	K0	
148	1	K5	
149	1	K2	
150	4	K2	
151	2	K0	
152	1	F2	
153	3	A2	
154	3	Ma	
155	10+	A0	
156	2	G5	
157	1	K0	
158	8	A2	
159	3	K5	
160	4	F5	
161	5	K0	
162	10	A	

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136	−9°	2595	8	29.7	−9	12.7	7.0 ∧ ∨
137	−9°	2594	8	29.6	−9	42.0	8.2 ∧ ∨
138	−9°	2607	8	31.9	−9	31.4	8.0 ∧ ∨
139	−9°	2610	8	32.4	−9	4.1	8.0 ∧ ∨
140	−9°	2612	8	32.7	−9	4.6	7.7 ∧ ∨
141	−8°	2444	8	32.6	−8	41.5	8.0 ∧ ∨
142	−8°	2439	8	31.3	−8	42.9	8.9 ∧ ∨
143	−8°	2437	8	31.2	−8	45.5	9.2 ∧ ∨
144	−8°	2436	8	30.9	−8	22.9	7.0 ∧ ∨
145	−8°	2434	8	30.9	−8	13.8	8.0 ∧ ∨
146	−8°	2438	8	31.3	−8	3.8	8.8 ∧ ∨
147	−8°	2440	8	31.8	−8	2.8	8.5 ∧ ∨
148	−7°	2566	8	32.1	−7	31.2	9.0 ∧ ∨
149	−7°	2570	8	32.5	−7	41.9	9.0 ∧ ∨
150	−7°	2573	8	33.5	−7	17.8	8.3 ∧ ∨
151	−7°	2574	8	33.6	−7	26.6	9.0 ∧ ∨
152	−7°	2572	8	33.4	−7	51.0	9.3 ∧ ∨
153	−8°	2447	8	33.5	−8	12.4	9.1 ∧ ∨
154	−8°	2454	8	34.1	−8	20.6	8.3 ∧ ∨
155	−8°	2452	8	34.0	−8	32.2	6.5 ∧ ∨
156	−8°	2450	8	33.7	−8	47.4	9.1 ∧ ∨
157	−9°	2619	8	33.8	−9	3.6	8.9 ∧ ∨
158	−8°	2456	8	34.8	−8	2.6	7.5 ∧ ∨
159	−7°	2581	8	34.8	−7	44.9	8.5 ∧ ∨
160	−7°	2583	8	35.2	−7	52.9	8.7 ∧ ∨
161	−8°	2459	8	35.2	−8	4.3	7.8 ∧ ∨
162	−7°	2587	8	35.4	−7	58.5	7.0 ∧ ∨

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1913phae.proj.2153C

Tuesday, September 2, 1913

B 1913.6

No.	Dist.	Class	Remark
163	2	K2	
164	3	F0	
165	7	F5	
166	1	K5	
167	1	K0	
168	3	K2	
169	1	K0	
170	2	G0	
171	2	K0	
172	5	A0	
173	10+	G2:	Burned out.
174	4	G5	
175	5	A0	Partly superposed on 176
176	7	G0	
177	2	G5	
178	8	A2	
179	8	A0	
180	3	F0	
181	3	A0	
182	2	K0	
183	4	G5	
184	4	A0	
185	3	A2	
186	4	Ma	
187	6	A2	
188	4	K2	
189	4	K0	

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1913phae.proj.2153C

163	−8°	2465	8	35.9	−8	0.8	8.5 1 ✓
164	−7°	2595	8	37.5	−7	55.3	8.6 1 ✓
165	−7°	2597	8	37.8	−7	44.0	7.6 1 ✓
166	−7°	2582	8	35.1	−7	36.4	8.6 1 ✓
167	−7°	2588	8	35.8	−7	19.7	8.9 1 ✓
168	−6°	2700	8	35.6	−6	58.2	8.5 1 ✓
169	−6°	2702	8	36.0	−6	51.0	9.1 1 ✓
170	−6°	2703	8	36.1	−6	40.0	9.0 1 ✓
171	−6°	2705	8	36.3	−6	33.4	8.6 1 ✓
172	−6°	2707	8	36.5	−6	41.8	8.7 1 ✓
173	−6°	2708	8	36.6	−6	42.8	4.5 1 ✓
174	−5°	2590	8	30.2	−5	58.4	8.2 1 ✓
175	−6°	2663	8	30.7	−6	18.8	9.0 1 ✓
176	−6°	2664	8	30.7	−6	17.9	7.5 1 ✓
177	−6°	2667	8	30.9	−6	8.1	8.8 1 ✓
178	−6°	2669	8	31.2	−6	9.3	6.7 1 ✓
179	−6°	2671	8	31.8	−6	20.3	7.6 1 ✓
180	−5°	2599	8	31.5	−5	55.3	8.9 1 ✓
181	−5°	2598	8	31.4	−5	45.1	9.0 1 ✓
182	−5°	2602	8	31.7	−5	40.2	8.5 1 ✓
183	−5°	2601	8	31.6	−5	25.8	8.3 1 ✓
184	−5°	2606	8	33.1	−5	24.2	9.0 1 ✓
185	−5°	2608	8	33.5	−5	10.8	9.1 1 ✓
186	−5°	2609	8	34.6	−5	5.8	8.3 1 ✓
187	−6°	2687	8	34.1	−6	0.9	8.6 1 ✓
188	−6°	2690	8	34.5	−6	5.6	8.9 1 ✓
189	−6°	2685	8	33.5	−6	11.8	8.5 1 ✓

cards made out.

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1913phae.proj.2153C

Tuesday September 2, 1913

B19136

No.	Dist.	Class	Remark
190	2	K5	
191	1	K0	
192	4	F5	
193	3	K0	
194	1	K0	
195	1	a	
196	2	F2	
197	1	K5	
198	1	F	
199	2	K2	
Tue 11.45	200	3	F0
	201		
	202		
	203		
	204		
	201	2	F5
	202	2	a0

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1913phae..proj.2153C

190	−6°	2686	8	34.0	−6	19.8	8.6	1 v
191	−6°	2695	8	35.1	−6	31.9	9.0	1 v
192	−6°	2683	8	33.1	−6	50.0	8.7	1 v
193	−6°	2670	8	31.4	−6	54.4	8.5	1 v
194	−7°	2557	8	30.5	−7	4.8	9.0	1 v
195	−7°	2552	8	31.4	−7	11.2	9.3	1 v
196	−8°	2356	8	19.2	−8	43.9	8.6	1 v
197	−8°	2362	8	20.0	−8	56.1	8.3	1 —
198	−9°	2518	8	19.3	−9	1.0	9.0	1 v
199	−9°	2512	8	18.3	−9	48.4	8.5	1 v
200	−9°	2516	8	18.8	−9	55.1	8.3	1 v

Identified by AMC. Dec. 2. 1913
Checked Jan. 5. 1913 DW.
Cards made out by S.R.B.
Cards checked by AMC.

201	−4°	2416	8	33.2	−4	37	9.0	46 on B 22751
202	−8°	2471	8	37.1	−8	52	8.8	202 on B 19015

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1913phae.proj.2153C

Monday Sept. 22, 1913
B 4985 Long Disp.

11.½8 B	No.	Int.	class	Remarks
M. A. G. Rec.	1	3	a2	
	2	4	a0	
	3	3	a3	
	4	7	a	e
	5	9	B8	
	6	4	a0	
	7	2	F2	
	8	8	a5	
	9	4	a2	
	10	3	B5	
	11	2	a5	
	12	5	B9	
	13	8	B9	
	14	8	B5	
	15	10	B8	
	16	2	a0	nearly all super. on 14
	17	2	a3	
	18	3	a0	
	19	7	B9	nearly all super. on 20.
	20	9	B8	
	21	5	B9	
	22	4	a0	
	23	10	a	Burned out
	24	8	B3	
	25	6	B5	
	26	6	F0	
	27	3	a	e

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1	−51°	2952	8	16.5	−51	32.8	7.4	∧	✓ ✓
2	−51°	2963	8	17.5	−51	49.7	7.3	∧	✓ ✓
3	−52°	1444	8	17.7	−52	11.3	7.4	∧	✓ ✓
4	−51°	2980	8	19.4	−51	43.4	6.6	∧	✓ ✓
5	−51°	3004	8	22.0	−51	19.0	5.7	∧	✓ ✓
6	−52°	1474	8	23.0	−52	23.7	7.2	∧	✓ ✓
7	−52°	1480	8	23.5	−52	17.4	7.2	∧	✓ ✓
8	−52°	1484	8	24.2	−52	40.5	6.3	∧	✓ ✓
9	−52°	1517	8	28.6	−52	47.2	7.0	∧	✓ ✓
10	−52°	1532	8	30.7	−52	38.5	7.1	∧	✓ ✓
11	−52°	1548	8	33.2	−52	4.8	8.0	∧	✓ ✓
12	−52°	1565	8	35.2	−52	39.0	7.0	∧	✓ ✓
13	−53°	1796	8	35.9	−53	0.0	5.7	∧	✓ ✓
14	−52°	1579	8	36.4	−52	36.7	5.6	∧	✓ ✓
15	−52°	1583	8	36.7	−52	28.5	4.1	∧	✓ ✓ −52° 1584 superposer 64
16	−52°	1581	8	36.5	−52	49.1	7.4	∧	✓ ✓
17	−53°	1804	8	36.6	−53	24.5	7.4	∧	✓ ✓
18	−52°	1587	8	37.2	−52	21.3	7.5	∧	✓ ✓
19	−52°	1605 1602 1607	8	38.7 38.6 38.8	−52 −52 −52	39 37.1 42.6 40	6.8 7.5 8.4 5.2	✓	✓
20	−52°	1605	8	38.7	−52	39.1	6.8	✓	✓
21	−52°	1675	8	44.3	−52	23.3	6.8	∧	✓ ✓
22	−51°	3303	8	48.9	−51	39.4	6.9	∧	✓ ✓
23	−52°	1788	8	52.5	−52	14.6	5.1	∧	✓ ✓
24	−49°	3761	8	39.8	−49	22.4	5.8	∧	✓ ✓
25	−48.7°	4460	8	48.5	−48.7	53.3	6.5	∧	✓ ✓
26	−47°	4480	8	49.6	−47	2.8	5.8	∧	✓ ✓
27	−46°	4707	8	48.6	−46	55.6	7.4	∧	✓ ✓

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Monday, Sept. 22, 1913
B 4985

	No	Dut.	Class	Remarks
	28	7	B3	E
	29	3	F2	
	30	2	F5	
	31	7	B9	
	32	4	B5	
	33	2	B	Hβ bright? Continuous to Hε. K = Hε
	34	3	A0	
	35	2	A0	
11.25	36	2	A2	
	37	2	A2	
	38	3	B9	
	39	8	B9	E
	40	6	A0	
	41	5	B9	

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28	−47°	4661	8	46.3	−46	3.7	5.6	∧ ∨ ∨
29	−49°	3824	8	44.0	−49	6.7	7.0	∧ ∨ ∨
30	−50°	3518	8	40.0	−50	12.0	7.4	∧ ∨ ∨
31	−50°	3417	8	32.1	−50	32.0	6.4	∧ ∨ ∨
32	−50°	3407	8	30.8	−50	39.8	6.9	∧ ∨ ∨
33	−49°	3621	8	28.6	−49	10.6	7.5	∧ ∨ ∨
34	−49°	~~3553~~ 3799	8	22.8	−49	5.3	7.5	∧ ∨ ∨
35	−48°	~~3800~~	8	22.9	−48	32.9	7.8	∧ ∨ ∨
36	−50°	3350	8	23.4	−50	42.9	7.6	∧ ∨ ∨
37	−51°	3409	8	55.8	−51	1.3	7.5	∧ ∨ ∨
38	−51°	3420	8	56.7	−51	4.2	7.0	∧ ∨ ∨
39	−51°	3430	8	57.9	−51	42.0	5.9	∧ ∨

Identified by J C M Jan. 12, 1914
Checked April 29, 1914 D D W
Cards made out by A.M.C. Jan. 1, 1915
Cards checked by E.R.B. Jan. 2, 1915

40	−54°	1647	8	24.2	−54	36	7.3	410 on B24598
41	−57	3041	8	24.7	−57	21	7.8	112 on B40225

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1913phae.proj.2153C

11.18 Monday. November 3, 1913

B43030 Long.

G.T.M. Rec.	No.	Int.	Class	Remark
✓	1	6	K0	
✓	2	6	B8	K line strong for this class.
✓	3	2	B9	
✓	4	3	B8	
✓	5	3	B8	
✓	6	5	B9	
✓	7	8	A2	
✓	8	2	B5	
✓	9	7	B3	
✓	10	4	B9	
✓	11	2	Nb	
✓	12	3	A0	
✓	13	3	A0	
✓	14	5	A2	
✓	15	2	Nb	
✓	16	3	B8	
✓	17	5	A0	
✓	18	4	B9	
✓	19	3	A0	Partly superposed on 18
✓	20	2	A3	
✓	21	2	B9	
✓	22	3	A0	
✓	23	2	K0	
✓	24	3	K0	
✓	25	3	A2	
✓	26	4	B9	
✓	27	2	K5	

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1913phae.proj.2153C

1	−61° 2067	‖	1.41	−61	45	6.7	✓
2	−61° 2075	‖	3.41	−61	16	6.0	✓
3	−60° 2558	‖	3.6	−60	53	7.5	✓
4	−60° 2546	‖	2.9	−60	9	8.0	✓
5	−59° 3116	‖	5.41	−59	42	7.6	✓
6	−59° 3165	‖	6.3	−59	38	7.3	✓
7	−59° 3190	‖	7.2	−59	38	5.1	✓
	−59° 3193	‖	7.3	−59	0	7.6	
8	~~−58° 3309~~	‖	~~7.8~~	~~−58~~	~~58~~	~~8.7~~	
9	−58° 3315	‖	8.1	−58	56	6.4	✓
10	−57° 4387	‖	5.5	−57	47	7.6	✓
	~~−57° 4370~~	‖	~~4.7~~	~~−57~~	~~50~~	~~8.6~~	
11	−57° 4405	‖	6.6	−57	45	8.3	✓
	~~−57° 4387~~	‖	~~5.5~~	~~−57~~	~~47~~	~~7.6~~	
12	−57° 4465	‖	8.9	−57	7	8.2	✓
13	−57° 4486	‖	9.6	−57	35	7.8	✓
14	−56° 4352	‖	10.2	−56	40	7.7	✓
15	~~−56°~~ −57° 4555	‖	13.2	~~−56~~ −57	30	7.4	✓
16	−57 4583	‖	14.3	−57	28	8.0	✓
17	−58° 3424	‖	12.0	−58	23	7.3	✓
18	−58° 3431	‖	12.3	−58	31	7.3	✓
19	−58° 3433	‖	12.4	−58	33	7.5	✓
20	−59° 3301	‖	11.8	−59	5	7.7	✓
21	−59° 3334	‖	13.0	−59	34	8.1	✓
22	−58° 3475	‖	14.4	−58	30	7.8	✓
23	−58° 3496	‖	15.4	−58	1	8.1	✓
24	−57° 4630	‖	16.6	−57	42	8.2	✓
25	−57° 4640	‖	17.2	−57	38	8.2	✓
26	−56° 4444	‖	17.2	−56	57	8.1	✓
27	−57° 4661	‖	18.3	−57	12	8.2	✓

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Monday, November 3, 1913

B43030 long.

	No.	Int.	Class	Remark
✓	28	3	A_0	
✓	29	7	A_0	
✓	30	3	K_2	
✓	31	3	B_2	
✓	32	3	A_0	
✓	33	2	B9	
✓	34	2	A_0	
✓	35	3	A_2	
✓	36	2	F5	
✓	37	3	B9	
✓	38	3	F8	Lines narrow
✓	39	5	B5	
✓	40	2	F_0	
✓	41	3	A_0	
✓	42	4	F_0	
✓	43	4	A_0	
✓	44	6	B_3	
✓	45	5	K_0	
✓	46	7	A_0	
✓	47	2	A_0	
✓	48	4	K_0	
✓	49	3	F_0	
✓	50	2	A_0	
✓	51	4	A_0	
✓	52	4	A_0	
✓	53	3	B_0	
✓	54	2	F_0	

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28	−57° 4667	∥	18.8	−57	30	8.0	✓
29	−56° 4448	∥	17.5	−56	6	7.2	✓
30	−55° 4378	∥	21.2	−55	36	5.1	✓
	~~−55° 4266~~	∥	20.1	−55	45	9.0	
31	−57° 4745	∥	23.6	−57	9	7.7	✓
32	−57° 4730	∥	22.8	−57	27	7.8	✓
33	−57° 4716	∥	22.1	−57	60	7.8	✓
34	−58° 3661	∥	29.3	−58	6	7.6	−58° 3662 ∥ 23.3 −58 3 9.1 Superposed. ✓
35	−59° 3573	∥	26.8	−59	2	7.3	✓
36	−58° 3717	∥	28.3	−58	60	7.6	✓
37	−59° 3545	∥	25.1	−59	38	7.3	✓
38	−60° 3011	∥	25.5	−60	35	7.5	✓
39	−60° 2941	∥	21.0	−60	26	5.1	✓
40	−60° 2835	∥	14.9	−60	25	8.1	✓
41	−58° 3605	∥	20.4	−58	40	7.6	✓
42	−60° 3075	∥	29.5	−60	12	7.2	✓
43	−60° 3090	∥	29.9	−60	36	6.8	✓
44	−60° 3140	∥	30.5	−60	22	5.7	✓
45	−60° 3182	∥	31.2	−60	36	7.1	−60° 3181 ∥ 31.2 −60 34 8.7 Superposed. ✓
46	−61° 2463	∥	32.3	−61	8	5.6	✓
47	−61° 2478	∥	33.3	−61	44	7.9	✓
48	−61° 2514	∥	35.0	−61	24	7.1	✓
49	−59° 3717	∥	35.9	−59	32	7.6	✓
50	−56° 4596	∥	27.8	−56	57	7.8	✓
51	−57° 4894	∥	33.2	−57	3	7.6	✓
52	−56° 4706	∥	36.3	−56	52	7.5	✓
53	−56° 4238	∥	9.3	−56	23	7.8	✓
54	−56° 4247	∥	3.6	−56	44	8.2	✓

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Monday, November 3, 1913

B43030 long

	No.	Int.	Class	Remark
✓	55	2	A_0	
✓	56	3	A_0	
✓	57	2	B8	
✓	58	2	A_0	
✓	59	3	A_0	
✓	60	3	F_3	E.
✓	61	3	A_3	E.
11.31 ✓	62	3	K_0	
	63			
	64			
	65			
63	66	4	B_0	
	67			
	68			
	69			
	70			
	71			
	72			
	73			

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55	−56°	4304	II	7.3	−56	15	8.2	✓
56	−56°	4317	II	8.0	−56	22	8.3	✓
57	−55°	4230	II	8.8	−55	22	8.1	✓
58	−55°	4257	II	10.3	−55	20	8.4	✓
59	−54°	4436	II	11.4	−54	56	7.8	✓
60	−54°	4434	II	11.4	−54	6	7.6	✓
61	−54°	4557	II	22.8	−54	12	7.7	✓
62	−55°	4468	II	29.2	−55	26	8.2	✓

Identified on cards by amc. Sept. 2, 1914

Identified here Sept. 12 1914 HDW.

Identification confused, by G.R.B.

✓ 63	−59	3057	II	2.0	−59	12	7.7	504m B400P0

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