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1913phae.proj.21510

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1913phar.proj..215J

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Thursday, April 24, 1913.

Time: 10.53

I 38156 long disp.

No.	Int.	Class	Remarks
1	4	A0	E.
2	3	F5	E.
3	4	A2	
4	5	A0	
5	7	K0	
6	3	K0	
7	2	A2	
8	1	K0	
9	1	A2	
10	5	K5	
11	1	K0	
12	2	G5	
13	2	F5	
14	3	K2	
15	1	K0	
16	1	A2	
17	7	B8	
18	2	K5	
19	7	K0	
20	9	K5	
21	3	A2	
22	2	K0	
23	2	K2	
24	3	G5	
25	1	F5	
26	1	F2	
27	1	A3	

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1	+7°	1982	8	20.6	+7	10.7	8.2 ✓
2	+7°	1983	8	20.8	+7	28.0	8.0 ✓
3	+7°	1975	8	19.2	+7	41.5	7.5 ✓
4	+8°	2057	8	18.9	+8	7.3	7.5 ✓
5	+8°	2053	8	18.1	+8	2.1	5.2 ✓
6	+9°	1960	8	17.2	+9	53.4	7.6 ✓
7	+9°	1952	8	16.4	+9	41.6	8.5 ✓
8	+10°	1789	8	16.9	+10	12.6	8.5 ✓
9	+10°	1792	8	17.1	+10	25.1	8.7 ✓
10	+11°	1830	8	16.0	+11	6.3	6.5 ✓
11	+11°	1824	8	14.5	+11	6.7	8.0 ✓
12	+10°	1781	8	14.0	+10	31.7	8.2 ✓
13	+9°	1949	8	14.9	+9	55.4	8.1 ✓
14	+9°	1934	8	12.6	+9	51.5	7.9 ✓
15	+8°	2032	8	12.6	+8	27.7	7.5 ✓
16	+9°	1928	8	10.6	+9	36.9	9.0 ✓
17	+9°	1927	8	10.5	+9	36.4	7.9 ✓
18	+9°	1922	8	9.8	+9	36.7	8.5 ✓
19	+9°	1921	8	9.7	+9	18.7	7.5 ✓
20	+9°	1917	8	8.7	+9	37.4	3.7 ✓
21	+12°	1812	8	10.2	+12	6.2	8.5 ✓
22	+11°	1806	8	9.1	+11	47.5	8.2 ✓
23	+11°	1801	8	8.6	+11	29.5	7.8 ✓
24	~~+10°~~ 11°	1796	8	7.6	~~+10~~ +11	52.7	8.0 ✓
25	~~+12°~~ +11°	~~1899~~ 1799	8	8.3	+11	17.7	8.5 ✓
26	+11°	1807	8	9.3	+11	13.3	8.7 ✓
27	+10°	1768	8	10.2	+10	53.7	9.0 ✓

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Thursday, April 24, 1913.

BI 38156 long disp.

No.	Int.	Class	Remark
28	1	Ao	
29	5	Ko	
30	8	As	
31	3	Gs	
32	2	Gs	
33	2	Ko	
34	1	Go	
35	1	Ao	
36	2	Go	
37	4	A2	
38	1	Ko	
39	2	Ko	Time: 11.02
40			
41			
42			
43			
44	9		
40	7	B9	Entered by mistake Shmeckebier Jo 8198
41	5	B9	
42	1	K0	

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1913phae.proj.21516

28	+10°	1776	8	12.6	+10	57.8	9.0 ✓
29	+13°	1868	8	6.3	+13	30.0	7.2 ✓
30	+14°	1850	8	4.3	+14	26.7	6.8 ✓
31	+13°	1859	8	3.8	+13	53.1	7.7 ✓
32	+13°	1849	8	1.8	+13	6.8	8.5 ✓
33	+13°	1851	8	1.9	+13	27.0	8.5 ✓
34	+12°	1770	7	59.0	+12	21.6	8.7 ✓
35	+11°	1769	8	2.1	+11	50.6	8.8 ✓
36	+14°	1872	8	11.1	+14	37.8	8.3 ✓
37	+14°	1879	8	13.8	+14	5.3	7.3 ✓
38	+14°	1878	8	13.7	+14	47.0	7.9 ✓
39	+12°	1832	8	16.9	+12	42.2	8.2 ✓

Identified by amc. July 2, 1913
Checked by J C M Oct. 21, 1913.
Cards made out by E.R.B.
Cards checked by AMC.

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Thursday, April 24, 1913.

Time: 11.05

I 38 271 long disp.

No.	Int.	Class	Remark
1	1	A0	
2	2	K5	
3	2	K0	
4	1	K0	
5	2	K0	
6	2	K2	
7	1	K2	
8	2	Ma	
9	4	K5	
10	1	M5	
11	2	M0	
12	4	M8	
13	1	K6	
14	3	M5	
15	1	K0	
16	3	M2	
17	2	M5	
18	4	A0	
19	1	K0	
20	1	K0	
21	2	K2	
22	4	K0	
23	3	A3	
24	4	M5	
25	4	B9	E.
26	20	A0	E.
27	2	A2	

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1	+5°	1874	7 8	58.9	+5	34.1	8.8	✓
2	+5°	1879	8	0.1	+5	34.1	8.5	✓
3	+5°	1886	8	1.2	+5	19.0	8.8	✓
4	+5°	1889	8	1.8	+5	31.4	8.8	✓
5	+6°	1884	8	3.3	+6	15.1	8.7	✓
6	+5°	1897	8	3.3	+5	52.4	8.5	✓
7	+5°	1898	8	3.5	+5	43.5	8.5	✓
8	+6°	1891	8	4.1	+6	13.1	8.5	✓
9	+4°	1928	8	3.8	+4	48.1	8.5	✓
10	+4°	1922	8	2.5	+4	27.2	9.0	✓
11	+4°	1923	8	3.0	+4	14.7	8.5	✓
12	+4°	1932	8	4.2	+4	41.8	8.0	✓
13	+5°	1905	8	5.3	+5	18.8	8.7	✓
14	+5°	1908	8	5.9	+5	32.6	8.7	✓
15	+6°	1902	8	6.8	+6	2.8	8.9	✓
16	+5°	1913	8	6.9	+5	44.8	8.4	✓
17	+5°	1914	8	7.0	+5	57.4	8.5	✓
18	+5°	1918	8	7.6	+5	59.4	8.7	✓
19	+5°	1915	8	7.1	+5	1.1	8.3	✓
20	+5°	1920	8	8.5	+5	28.6	8.8	✓
21	+6°	1919	8	9.9	+6	42.0	7.3	✓
22	+6°	1923	8	10.3	+6	40.3	7.0	✓
23	+7°	1950	8	8.9	+7	50.1	8.0	✓
24	+7°	1951	8	9.0	+7	48.8	7.8	✓
25	+8°	2013	8	7.7	+8	4.8	8.3	✓
26	+8°	2011	8	7.6	+8	7.1	8.6	✓
27	+7°	1948	8	7.4	+7	30.0	8.8	✓

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Hr.	Int.	Class	Remark
28	2	K0	
29	2	A2	
30	1	A2	
31	2	F5	E.
32	3	F5	E.
33	1	K	E.
34	1	K2	E.
35	3	A2	E.
36	2	B9	E.
37	3	F8	E.
38	5	B9	E.
39	4	K2	E.
40	2	K0	E.
41	10	K0	
42	1	K0	
43	2	G5	
44	1	K5	
45	1	A2	
46	1	K5	
47	1	F2	
48	7	A0	
49	3	G5	
50	2	G5	
51	1	A2	
52	3	A2	
53	1	A3	
54	2	K0	

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28	+7°	1947	8	7.1	+7	15.9	9.0	✓
29	+7°	1941	8	6.2	+7	17.1	8.8	✓
30	+7°	1935	8	3.9	+7	69.6	8.7	✓
31	+7°	1920	7	59.4	+7	7.1	8.8	✓
32	+6°	1872	7	58.9	+6	47.5	8.8	✓
33	+7°	1930	8	3.2	+7	24.3	8.8	✓
34	+4°	1898	7	56.5	+4	42.1	8.5	✓
35	+4°	1893	7	56.7	+4	58.9	8.9	✓
36	+4°	1888	7	56.2	+4	25.8	8.8	✓
37	+4°	1890	7	56.4	+4	25.5	8.8	✓
38	+3°	1883	7	56.4	+3	47.5	8.0	✓
39	+3°	1875	7	54.5	+3	22.7	7.8	✓
40	+3°	1876	7	54.9	+3	28.6	8.1	✓
41	+2°	1854	7	54.7	+2	43.2	8.0	✓
42	+2°	1857	7	55.6	+2	19.5	8.8	✓
43	+2°	1859	7	56.1	+2	10.5	8.5	✓
44	+2°	1862	7	56.4	+2	49.3	8.6	✓
45	+2°	1864	7	57.1	+2	27.4	9.5	✓
46	+2°	1866	7	57.5	+2	52.5	9.0	✓
47	+2°	1867	7	58.0	+2	34.8	9.0	✓
48	+2°	1868	7	58.3	+2	35.1	7.7	✓
49	+3°	1891	7	58.2	+3	35.6	8.3	✓
50	+4°	1897	7	57.3	+4	26.5	8.2	✓
51	+4°	1898	7	57.4	+4	26.8	8.8	✓
52	+4°	1902	7	58.1	+4	44.1	8.7	✓
53	+4°	1908	7	59.6	+4	51.1	9.2	✓
54	+4°	1911	8	0.2	+4	25.4	8.5	✓

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Thursday, April 24, 1913.

I38271 long disp

No.	Int.	Class	Remark
55	2	F8	
56	1	A5	
57	3	A0	
58	2	A3	
59	7	B9	
60	2	A0	
61	3	A2	
62	5	G5	
63	1	A	
64	2	F5	
65	1	G5	
66	2	K0	
67	6	A0	
68	7	A0	
69	3	G0	
70	1	A0	
71	4	A0	
72	3	K0	
73	2	K2	
74	7	Comp.	B8. = G0. F8 = A3.
75	1	K5	
76	1	K5	
77	2	K0	
78	3	F5	
79	1	G5	
80	2	A2	
81	8	G5	

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55	+4°	1918	8	1.6	+4	12.3	8.8	✓
56	+3°	1905	8	1.9	+3	50.5	8.6	✓
57	+3°	1900	8	1.1	+3	22.7	8.5	✓
58	+2°	1880	8	0.8	+2	57.1	8.7	✓
59	+2°	1882	8	1.1	+2	19.5	7.8	✓
60	+2°	1883	8	1.3	+2	36.5	8.8	✓
61	+3°	1911	8	2.8	+3	26.5	8.7	✓
62	+3°	1913	8	3.1	+3	22.4	7.5	✓
63	+3°	1916	8	4.0	+3	32.8	8.8	✓
64	+3°	1921	8	4.7	+3	30.7	8.7	✓
65	+3°	1924	8	5.7	+3	33.9	8.9	✓
66	+3°	1930	8	7.4	+3	5.9	8.5	✓
67	+3°	1932	8	8.0	+3	16.1	8.0	✓
68	+3°	1933	8	8.3	+3	13.7	7.5	✓
69	+2°	1919	8	8.2	+2	54.8	8.3	✓
70	+2°	1925	8	9.8	+2	46.9	9.0	✓
71	+2°	1926	8	10.3	+2	54.8	8.0	✓
72	+3°	1943	8	10.3	+3	22.9	8.0	✓
73	+3°	1942	8	10.2	+3	14.0	8.0	✓
74	+4°	1945	8	9.7	+4	39.0	7.0	✓
75	+4°	1944	8	8.7	+4	29.7	8.3	✓
76	+4°	1943	8	8.5	+4	14.5	8.5	✓
77	+5°	1928	8	10.7	+5	31.9	8.0	✓
78	+5°	1929	8	10.9	+5	38.4	8.0	✓
79	+5°	1936	8	12.3	+5	33.6	8.4	✓
80	+5°	1934	8	12.2	+5	11.6	8.7	✓
81	+4°	1954	8	12.2	+4	23.4	6.7	✓

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I 38271 long disp.

No.	Int.	Class	Remark
82	5	A2	
83	2	A3	
84	3	K5	
85	1	A0	The preceding of two.
86	3	A5	
87	1	K0	
88	2	K5	
89	2	Neb	
90	3	A0	E.
91	2	K0	E.
92	3	K5	E.
93	2	A	E.
94	2	F	E.
95	1	A	E.
96	2	G	E.
97	3	F2	
98	1	K	
99	6	F2	
100	1	A2	
101	3	K2	
102	6	K5	
103	2	A2	
104	1	G	
105	6	F2	
106	1	K0	
107	1	K0	
108	2	K5	

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82	+4°	1957	8	13.6	+4	49.7	8.5	✓
83	+5°	1941	8	13.6	+5	38.2	8.5	✓
84	+5°	1950	8	14.8	+5	28.9	7.3	✓
85	+4°	~~1960~~ ~~1959~~	8	14.0	+4	~~53.2~~ ~~57.8~~	8.7	✓
86	+5°	1952	8	15.3	+5	0.7	8.8	✓
87	+5°	1957	8	15.7	+5	2.0	8.8	✓
88	+5°	1958	8	16.2	+5	37.5	8.2	✓
89	+4°	1972	8	17.5	+4	57.7	8.2	✓
90	+6°	1958	8	19.5	+6	45.8	8.8	✓
91	+8°	2048	8	16.7	+8	6.2	8.0	✓
92	+7°	1971	8	15.9	+7	16.1	8.5	✓
93	+6°	1936 ~~1935~~	8	13.2	+6	56.2 ~~59.1~~	9.0	4.6° 1935 ~~1936~~ Magn. 9.0 superposed
94	+7°	1956	8	11.0	+7	29.5	9.0	✓
95	+7°	1955	8	10.7	+7	50.8	8.9	✓
96	+7°	1980	8	20.4	+7	37.6	8.5	✓
97	+4°	1958	8	13.9	+4	5.7	8.2	✓
98	+3°	1959	8	12.9	+3	34.1	8.8	✓
99	+3°	1960	8	13.1	+3	6.7	8.0	✓
100	+2°	1942	8	13.4	+2	56.3	8.7	✓
101	+2°	1947	8	14.6	+2	54.5	8.5	✓
102	+2°	1948	8	14.7	+2	86.2	7.5	✓
103	+2°	1949	8	14.8	+2	10.2	8.5	✓
104	+2°	1951	8	15.3	+2	20.5	8.5	✓
105	+1°	2074	8	13.8	+1	31.3	7.8	✓
106	+2°	1958	8	17.0	+2	14.2 ~~27.1~~	8.8	✓
107	+4°	1977	8	19.8	+4	9.4	8.2	✓
108	+3°	1976	8	18.0	+3	57.6	8.5	✓

~~Original identification~~ incorrect ~~connect~~ Red ink correction is right — The following star, of which data is on page 12, is not in Dill. Cat.

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Thursday. April 24. 1913.
I 38271, long disp.

No.	Int.	Class	Remark
109	3	F8	
110	3	A5	
111	3	A0	
112	2	F5	
113	2	F0	
114	3	G5	
115	5	A0	
116	5	K0	
117	6	G5	
118	6	G0	
119	5	K0	
120	3	G0	
121	6	F0	
122	7	G0	
123	8	A0	
124	2	K2	
125	3	K0	
126	1	K2	
127	1	K0	
128	3	K3	
129	1	F	
130	4	A2	
131	3	F5	
132	4	K5	
132	2	K0	
134	2	K5	
135	1	A0	

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109	+2°	1932	8	11.5	+2	58.2	8.3	✓
110	+2°	1938	8	12.3	+2	28.2	8.3	✓
111	+2°	1934	8	11.9	+2	3.3	8.5	✓
112	+1°	2070	8	13.3	+1	51.6	8.3	✓
113	+1°	2071	8	13.5	+1	34.1	8.5	✓
114	+0°	2275	8	14.6	+0	17.5	7.9	✓
115	-0°	1976	8	15.2	-0	4.2	8.1	✓
116	-0°	1977	8	15.4	-0	24.0	7.8	✓
117	-1°	2028	8	16.6	-1	3.2	7.0	✓
118	-0°	1987	8	17.2	-0	40.3	7.5	✓
119	+0°	2294	8	18.3	+0	4.7	7.8	✓
120	+0°	2290	8	17.4	+0	19.9	8.3	✓
121	+0°	2288	8	16.3	+0	31.6	7.5	✓
122	-0°	1966	8	12.8	-0	26.8	7.2	✓
123	-1°	2017	8	14.0	-1	8.3	7.0	✓
124	-0°	1964	8	12.5	-0	48.0	8.3	✓
125	-0°	1962	8	12.2	-0	20.1	8.6	✓
126	+0°	2271	8	12.5	+0	40.2	8.5	✓
127	+0°	2270	8	12.4	+0	52.4	8.3	✓
128	+1°	1983	87	57.0	+1	21.7	8.0	✓
129	+1°	1989	7	57.9	+1	56.4	9.0	✓
130	+1°	1994	87	58.7	+1	53.4	8.3	✓
131	+2°	1872	7	59.1	+2	20.9	8.5	✓
132	+1°	1995	7	58.7	+1	36.5	7.9	✓
133	+1°	1997	7	59.6	+1	45.5	8.8	✓
134	+1°	1991	7	58.3	+1	14.6	8.5	✓
135	+1°	1990	7	58.1	+1	4.2	8.7	✓

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Thursday, April 24, 1913.

PI 38271 long disp.

No.	Int.	Class	Remark
136	5	A0	
137	2	A2	
138	3	A3	
139	5	K0	
140	3	K5	
141	7	A0	
142	2	A0	
143	6	F0	
144	4	A2	
145	6	F5	
146	1	K0	
147	6	F8	
148	7	A3	
149	6	A2	
150	3	K2	
151	7	A2	
152	1	G5	
153	3	A0	
154	7	A2	
155	4	K0	
156	2	K0	
157	2	F5	
158	3	K0	
159	2	G0	The preceding of a group of three.
160	2	K0	
161	2	G5	
162	4	A2	

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1913phae.proj.2151c

136	+0°	2185	78	58.9	+0	41.2	8.5 ✓
137	+1°	1999	8	0.1	+1	0.4	9.0 ✓
138	+0°	2196	8	0.9	+0	53.5	8.7 ✓
139	+1°	2006	8	1.3	+1	10.9	8.0 ✓
140	+0°	2200	8	1.4	+0	52.7	8.2 ✓
141	+1°	2008 2010	8	1.9	+1	42.1 49.0	8.0 9.0 ✓
142	+1°	2008 9	8	1.9	+1	32.4 42.1	8 8.2 ✓
143	+1°	2014	8	2.5	+1	26.5	8.6 ✓
144	+2°	1892	8	2.9	+2	20.9	8.8 ✓
145	+2°	1897	8	4.7	+2	43.1	8.2 ✓
146	+2°	1901	8	5.4	+2	16.7	8.8 ✓
147	+2°	1904	8	6.2	+2	26.8	8.2 ✓
148	+2°	1912	8	7.3	+2	27.5	8.5 ✓
149	+1°	2031	8	6.0	+1	49.0	8.3 ✓
150	+1°	2035	8	6.3	+1	41.1	8.7 ✓
151	+1°	2040	8	7.1	+1	35.5	7.8 ✓
152	+1°	2041	8	7.5	+1	18.0	9.3 ✓
153	+1°	2048	8	8.3	+1	8.9	9.0 ✓
154	+0°	2248	8	10.2	+0	55.6	8.0 ✓
155	+1°	2056	8	10.1	+1	36.2	7.5 ✓
156	+1°	2055	8	9.7	+1	47.8	8.3 ✓
157	+2	1921	8	8.9	+2	18.4	9.0 ✓
158	+2°	1917	8	8.0	+2	28.8	8.7 ✓
159	+2°	1915	8	7.9	+2	33.0	8.5 ✓
160	+1°	2036	8	6.4	+1	3.8	8.5 ✓
161	+1°	2038	8	6.0	+1	18.0	8.8 ✓
162	+0°	2219	8	4.6	+0	60.5	8.5 ✓

Cards made out

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Thursday, April 24, 1913.
I 38271 long disp.

Nr.	Int.	Class	Remarks
163	1	F5	
164	3	A0	
165	3	A0	
166	7	A0	
167	8	A0	
168	2	A	
169	1	F	
170	4	F5	
171	7	F0	
172	6	A2	
173	2	A	E.
174	5	A0	E.
June 11.36 175	7	F0	E.
176	3	A2	
177	6	A0	

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163	+1°	2023	8	4.3	+1	2.3	8.7	✓
164	+0°	2216	8	3.6	+0	6.4	8.6	✓
165	+0°	2206	8	~~3.0~~ 2.3	+0	45.8	8.5	✓
166	+0°	2203	8	1.9	+0	18.1	8.3	✓
167	-0°	1922	8	1.9	-0	0.6	8.0	✓
168	+0°	2201	8	1.7	+0	42.2	8.8	✓
169	+0°	21989	8	1.0.8	+0	~~35.0~~ 32.2	8.5	✓
170	+0°	2195	8	0.8	+0	35.0	8.5	✓
171	-0°	1903	7	58.4	-0	9.4	6.8	✓
172	-0°	1913	8	0.6	-0	55.7	8.1	✓
173	-0°	1919	8	1.3	-0	58.8	8.7	✓
174	-1°	1976	8	3.9	-1	8.5	8.0	✓
175	-0°	1938	8	6.0	-0	44.5	7.5	✓

Identified by W. C. W. May 24. 1913.
Checked by AMC. May 29. 1913
cards made out by W. C. W.

176	+5°	1972	8	19.8	+5	10	8.5	176 a.m. d 37654
✓ 177	+6	1900	8	6.1	+6	44	7.3	54 a.m. d 37553

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1913phae.proj.2151C

Friday, April 25, 1913.

Time: 9.50 I 38207 long disp. 8 05 -1.0

No.	Int.	Class	Remark
1	6	F0	E.
2	4	A0	E. Another star superposed on pr. side.
3	3	K0	
4	9	F0	
5	5	F2	E.
6	2	K5	
7	10+	A0	
8	3	F0	
9	1	F5	
10	1	A2	
11	7	F5	
12	6	F2	
13	1	K	
14	2	A2	
15	1	A	
16	4	A2	
17	2	K0	
18	3	A3	
19	2	F5	
20	1	K2	
21	2	F5	
22	4	G5	
23	7	B9	
24	5	F8	
25	3	F8	
26	6	A3	
27	3	A2	

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1913phae.proj.2151c

1	-2°	2581	8	21.1	-2	2.8	7.0	✓
2	-3°	2340 (53)	8	20.0 (18.5)	-3	3.1 (+.6)	8.3	✓
3	-2°	2572	8	19.2	-2	15.8	8.2	✓
4	-3°	2345	8	19.2	-3	30.8	6.2	✓
5	-3°	2356	8	20.5	-3	56.4	7.0	✓
6	-3°	2341	8	18.6	-3	42.5	7.5	✓
7	-3°	2339	8	18.4	-3	26.3	3.7	✓
8	-3°	2340	8	18.5	-3	1.0	8.3	✓
9	-2°	2565	8	18.2	-2	38.8	8.6	✓
10	-3°	2337	8	18.0	-3	21.7	8.9	✓
11	-3°	2333	8	17.3	-3	17.1	6.0	✓
12	-4°	2328	8	17.4	-4	15.0	6.5	✓
13	-3°	2327	8	16.3	-3	57.7	8.4	✓
14	-3°	2324	8	15.7	-3	46.9	8.0	✓
15	-3°	2326	8	15.7	-3	27.5	8.8	✓
16	-2°	2557	8	16.7	-2	29.4	8.2	✓
17	-2°	2546	8	15.6	-2	29.8	8.0	✓
18	-2°	2542	8	14.6	-2	28.2	8.8	✓
19	-2°	2531	8	13.1	-2	10.7	8.7	✓
20	-2°	2529	8	12.8	-2	20.1	8.2	✓
21	-2°	2522	8	11.6	-2	52.3	8.6	✓
22	-2°	2512	8	10.2	-2	39.4	7.3	✓
23	-2°	2509	8	9.9	-2	55.1	6.3	✓
24	-2°	2504	8	9.2	-2	47.0	7.0	✓
25	-3°	2288	8	10.3	-3	31.7	7.7	✓
26	-4°	2309	8	13.7	-4	24.7	7.8	✓
27	-4°	2306	8	13.5	-4	42.8	8.3	✓

cards made out

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1913phae.proj.2151C

Friday, April 25, 1913.

P I38207 long disp-

No.	Int.	Class	Remark
28	6	K2	
29	3	ko	
30	7	A3	
31	3	F2	
32	2	Ko	Another star superposed at north.
33	3	K2	
34	2	Ao	
35	1	A	
36	2	A5	
37	2	A5	
38	3	A2	
39	10	ko	
40	3	Ma	
41	2	Ko	
42	3	Ao	
43	2	A5	
44	1	K5	Perhaps Ma.
44a	)	K5	
45	1	Ko	
46	2	k5	
47	1	A2	
48	3	A5	
49	3	Ko	
50	5	k5	
51	2	Ao	
52	7	Ao	
53	5	B9	
54	4	Ao	

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1913phae.proj.21516

28	-4°	2303	8	13.1	-4	52.2	6.8[5]	✓
29	-5°	2489	8	12.1	-5	10.0	7.1	✓
30	-5°	2512	8	15.4	-5	42.9	6.9	✓
31	-4°	2288	8	10.1	-4	55.5	7.5	✓
32	-4°	2284	8	9.8	-4	58.5	7.4	✓
33	-3°	2268	8	7.2	-3	23.6	7.3	✓
34	-2°	2495	8	8.0	-2	23.5	8.8	✓
35	-2°	2483	8	5.8	-2	28.6	9.0	✓
36	-2°	2480	8	5.5	-2	11.8	8.5	✓
37	-2°	2482	8	4.0	-2	10.4	8.5	✓
38	-2°	2465	8	3.0	-2	50.5	8.7	✓
39	-2°	2450	8	1.3	-2	33.6	4.8	✓
40	-2°	2437	8	0.4	-2	59.5	7.0	✓
41	-3°	2226	8	0.8	-3	18.2	8.0	✓
42	-3°	2217	8	0.8	-3	57.2	8.2	✓
43	-4°	2225	8	0.3	-4	4.4	8.7	✓
44	-4°	2235	8	2.0	-4	7.9	7.5	✓
44a	-3°	2211	8	59.8	-3	35.8	8.2	✓
45	-3°	2228	8	2.6	-3	44.0	8.0	✓
46	-3°	2232	8	3.1	-3	11.4	8.7	✓
47	-2	2476	8	4.6	-2	55.8	8.8	✓
48	-1°	1964	7[8]	1.7	-1	23.0	8.8	✓
49	-1°	1957	7	59.5	-1	13.3	8.0	✓
50	-1°	1955	7	59.1	-1	59.1	7.8	✓
51	-2°	2412	7	57.4	-2	24.4	8.7	✓
52	-3°	2202	7	57.7	-3	5.2	7.0	✓
53	-1°	1939	7	56.9	-1	26.8	8.5	✓
54	-1°	1948	7	57.1	-1	11.3	8.0	✓

cards made out

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1913phae.proj.21510

Friday, April 25, 1913.

I 38 207 long drip.

No.	Int.	Class	Remark
55	2	g_5	
56	5	F5	
57	3	a_0	
58	2	F_0	
59	3	a_0	
60	3	a_2	
61	2	F_0	
62	7	B_3	H β bright.
63	8	F_0	
64	5	a_3	
65	3	a_0	E.
66	2	F_0	E.
67	2	F_0	
68	8	F_2	
69	2	F_0	
70	4	a_3	
71	2	F_2	
72	7	a_0	
73	2	a_2	E.
74	7	F8	E.
75	2	F0	
76	1	a	
77	1	g_5	
78	1	a_3	
79	2	F_2	
80	3	F_0	
81	5	g_5	

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1913phae.proj.21516

55	-0°	1891	7 8	56.1	-0	44.5	8.3	✓
56	-2°	1928	7	55.3	-2	59.8	8.0	✓
57	-2°	2394	7	55.7	-2	19.5	8.3	✓
58	-2°	2388	7	55.3	-2	52.0	8.2	✓
59	-3°	2176	7	54.6	-3	8.8	8.3	✓
60	-2°	2383	7	54.7	-2	34.8	8.2	✓
61	-3°	2171	7	54.6	-3	7.3	8.0	✓
62	-2°	2379	7	53.4	-2	28.8	6.8	✓
63	-3°	2157	7	52.5	-3	16.8	4.9	✓
64	-3°	2151	7	51.8	-3	56.2	7.0	✓
65	-3°	2146	7	51.2	-3	14.7	8.0	✓
66	-3°	2129	7	49.6	-3	4.1	7.5	✓
67	-1°	1916	7	52.6	-1	23.8	8.0	✓
68	-0°	1882	7	53.8	-0	59.2	5.3	✓
69	+0°	2155	7	53.0	+0	19.8	8.0	✓
70	-0°	1874	7	51.6	-0	3.4	8.0	✓
71	-0°	1866	7	50.6	-0	25.3	8.5	✓
72	-0°	1864	7	50.0	-0	14.3	7.5	✓
73	+0°	2142	7	50.3	+0	40.6	8.3	✓
74	+1°	1959	7	49.8	+1	32.2	6.5	✓
75	-1°	2036	8	18.2	-1	37.8	8.8	✓
76	-1°	2035	8	17.8	-1	38.1	9.0	✓
77	-1°	2030	8	17.0	-1	57.3	8.8	✓
78	-1°	2011	8	12.9	-1	8.0	8.8	✓
79	-0°	1964	8	12.5	-0	48.0	8.3	✓
80	-0°	1962	8	12.2	-0	20.1	8.6	✓
81	-1°	2005	8	10.5	-1	20.0	7.8	✓

clouds made out

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1913phae.proj.21510

Friday, April 25, 1913.

I 38207 long. disp.

No.	Int.	Class	Remark
82	1	Ko	
83	2	Ao	
84	1	Ky	
85	2	A3	
86	1	Ko	
87	2	Ky	
88	2	Ko	
89	2	Ao	
90	2	Ko	
91	1	Ko	
92	2	Ao	
93	1	Ko	
94	2	Ky	
95	2	A5	Time: 10.08
96			
97			
98			
99	7	Ko	96
100	5	Ko	97
	3	Ko	98
	3	Ao	99

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1913phae.proj.21510

82	-1°	2001	8	10.0	-1	23.8	8.5	✓
83	-0°	1948	8	8.5	-0	46.6	9.0	✓
84	-0°	1947	8	8.3	-0	48.9	8.2	✓
85	-0°	1946	8	7.8	-0	20.2	8.5	✓
86	-0°	1942	8	6.8	-0	5.5	8.3	✓
87	-0°	1937	8	5.9	-0	19.0	8.5	✓
88	-1°	1988	8	6.0	-1	0.2	8.6	✓
89	+1°	2048	8	6.3	+1	8.9	9.0	✓
90	+1	2036	8	6.4	+1	3.5	8.5	✓
91	+0°	2232	8	8.0	+0	20.8	8.5	✓
92	-0°	1928	8	4.1	-0	47.4	9.0	✓
93	-0°	1927	8	3.6	-0	44.7	8.5	✓
94	-0°	1904	7	58.6	-0	21.9	8.5	✓
95	-0°	1895	7	57.5	-0	36.6	9.0	✓

Identified by W. C. W. July 16, 1913.
Checked by AMC. July 17, 1913
cards made out by W. C. W.
cards checked by [illegible]

✓	96	+2	1865	150 m 37657
✓	97	+2	1967	151 " "
✓	98	+2	1970	152 " "
✓	99	+0	2296	2 " "

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1913phae.proj.21510

Friday, April 25, 1913.

Time: 10.09 — I 38 370 long disp. — 7 45 — 1.4

No.	Int	Class	Remark
1	3	A2	
2	1	A5	
3	5	A3	
4	1	F0	Partly superposed on 5.
5	7	F0	
6	2	Ma	
7	7	A5	
8	4	A0	
9	4	A0	
10	2	A0	
11	6	A3	
12	2	A0	
13	5	A0	
14	5	A0	
15	5	K0	
16	3	F5	
17	2	A3	
18	4	A0	
19	5	A5	
20	2	A0	
21	3	A0	
22	5	A0	
23	4	A2	
24	2	K0	
25	3	F0	
26	3	A0	
27	4	A3	

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1918phmae.proj.21537c

1	~~−2°~~ −4°	~~2379~~ 2141	7	~~53.4~~ 48.0	~~−2~~ −4	~~28.8~~ 11.7	~~6.8~~ 8.0
2	−3°	2120	7	48.1	−3	37.7	8.6
3	−3°	2112	7	47.0	−3	9.9	7.8
4	−2°	2342	7	47.3	−2	34.7	8.7
5	−2°	2341	7	47.3	−2	25.3	7.2
6	−2°	2325	7	45.3	−2	15.2	7.8
7	−2°	2322	7	44.9	−2	41.1	6.7
8	−2°	2315	7	43.6	−2	7.8	8.3
9	−2°	2306	7	42.6	−2	19.7	8.0
10	−2°	2301	7	41.7	−2	31.0	8.6
11	−3°	2087	7	43.3	−3	13.9	7.3
12	−2°	2311	7	43.4	−2	57.3	8.5
13	−1°	1853	7	43.2	−1	14.1	8.5
14	−1°	1849	7	42.9	−1	5.3	8.2
15	−1°	1848	7	42.8	−1	18.9	8.0
16	−1°	1845	7	42.5	−1	41.8	8.5
17	−1°	1847	7	42.6	−1	56.0	9.0
18	−1°	1873	7	45.6	−1	3.9	8.3
19	−1°	1883	7	47.3	−1	2.6	7.8
20	−1°	1885	7	47.5	−1	26.9	8.8
21	−1°	1887	7	47.8	−1	52.2	8.8
22	−1°	1890	7	48.2	−1	49.0	8.2
23	−0°	1853	7	47.3	−0	15.0	8.7
24	−0°	1855	7	47.5	−0	22.6	8.7
25	+1°	1944	7	47.4	+1	11.8	9.0
26	+1°	1936	7	46.7	+1	27.7	9.0
27	+1°	1939	7	47.1	+1	56.3	8.5

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1913phae.proj.21510

Friday, April 25, 1913.

R I 38371 long disp.

No.	Int.	Class	Remark
28	3	~~Q~~	E.
29	5	G_0	
30	4	Q	E.
31	7	Q_3	E.
Time: 10.15 32	8	H_0	E
~~33~~			
~~34~~			
~~35~~			
33	2	G_0	
34	7	B_3 H_β $H\gamma$ $H\delta$	

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1913phae.proj.2151C

	28	+2°	1818	7	46.6	+2	46.0	8.5	1
	29	+1°	1827 +12 1839	7	49.0	+2	42.4 56.3	8.5	1
	30	+3°	1860 48	7	49.5 51.0	+3	20.7 +19.7	8.0 7.5	1
	31	+3°	1860	7	57.0	+3	19.7	7.5	1
	32	+2°	1833	7	50.8	+2	37.3	6.0	1

see chart plate I 875
Two stars in R.A. Different dec. same slightly Either or both is variable
Southern star slightly brighter Luis 1+2 make 1 plate is superposed on 1 of Lewis

Identified by A.M.C. July 14, 1913
Checked April 11 1914 H.D.W.
Cards made out by G.C.D.
Cards checked by G.R.B.

✓	33	-0	1861	7	49.5	-0	24	8.5	Same as 3 Cor B12774 " " 37 = J37⅓
✓	34	-2	2379	7	53.4	-2	29	6.8	Cor J38207

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1913phae.proj.21510

Saturday, April 26, 1913.

Time: 10.45 B42934 long disp. 7 36 -30.5

No.	Int.	Class	Remark
1	8	B5	E.
2	8	F2	E.
3	6	A0	E.
4	7	F8	
5	4	B8	
6	9	A0	
7	2	A	E.
8	8	A2	E.
9	3	A0	
10	10	B9	
11	3	B3	
12	4	B5	Another star superposed on fol. edge
13	6	B5	
14	4	A3	
15	3	A0	
Time: 10.50 16	6	B8	
17			

Cards checked by E. F. G. Aug 23, 1913

17	3	G0 very little absorption at bands G. Sharp lines
18	7	G0 Slightly pec. Resembles G5 or K0 more exposure

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1913phae.proj.21510

1	-35°	4002	7	49.6	-35	32.0	6.1	✓
2	-34°	4036	7	47.6	-34	23.3	5.7	✓
3	-34°	3970	7	44.6	-34	56.2	6.4	✓
4	-33°	4113	7	40.9	-33	55.4	6.0	✓
5	-31°	5096	7	43.8	-31	18.7	7.1	✓
6	-34°	3755	7	32.8	-34	41.1	4.8	✓
7	-32°	4612	7	52.3	-32	55.6	7.5	✓
8	-29°	5236	7	52.7	-29	59.5	5.5	✓
9	-29°	4868	7	39.4	-29	56.3	7.9	✓
10	-28°	4774	7	38.8	-28	39.5	4.2	✓
11	-29°	4805	7	37.2	-29	53.5	7.0	✓
12	-29°	4751	7	35.5	-29	47.5	7.8	✓ -29° 4752 superposed Magn. 8,1
13	-28°	4767	7	38.5	-28	6.5	5.0	✓
14	-27°	4446	7	38.0	-27	22.3	7.2	✓
15	-27°	4429	7	37.4	-27	26.8	7.6	✓
16	-27°	4393	7	35.7	-27	39.5	7.0	✓

Identified by J. C. M. August 14, 1913
Checked by A. C. Crug 23, 1913
cards made out by M. C. W.

17	-31	4810	7	36.0	-31	22	7.0	150 m B 4909
18	-30	4620	7	25.9	-30	42	5.3	45 m B 4905

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1913phae.proj.21510

Saturday, April 26, 1913.

Time: 16.53 — B8911 long disp. — 7 36 −25.0

No.	Int.	Class	Remark
1	3	B9	
2	10	B8	
3	5	A0	
4	3	B8	Partly superposed on 3.
5	4	F0	
6	2	A2	
7	6	A3	
8	9	B5	
9	4	B5	
10	4	A0	
11	6	G0	
12	9	G5	
13	4	A0	
14	3	F0	
15	7	B3	
16	2	A0	Partly superposed on 17.
17	2	A0	
18	3	A0	
19	2	B9	
20	10	G0	
21	5	G5	E.
22	10	B	Lines very indistinct.
23	10	B9	" Narrow. Line H strong for this class.
24	3	A2	
25	2	A	
26	5	G5	E.
27	3	F5	E.

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1913phae.proj.2151c

1	-26°	4703	7	33.5	-26	2.0	7.4 1✓
2	-26°	4707	7	33.7	-26	30.9	4.0 1✓
3	-26°	4722	7	34.3	-26	34.4	6.9 1✓
4	-26°	4723	7	34.4	-26	37.8	7.2 1✓
5	-26°	4824	7	37.6	-26	2.6	6.5 1✓
6	-25°	4946	7	37.8	-25	32.3	8.0 1✓
7	-25°	4966	7	38.4	-25	12.0	7.0 1✓
8	-24°	5885	7	39.3	-24	22.6	6.4 1✓
9	-23°	6155	7	40.6	-23	56.9	7.1 1✓
10	-24°	5999	7	42.9	-24	16.2	7.8 1✓
11	-24°	6022	7	43.8	-24	35.0	5.8 1✓
12	-24°	6030	7	44.0	-24	32.6	3.5 1✓
13	-24°	6060	7	45.7	-24	13.0	7.0 1✓
14	-23°	6310	7	44.7	-23	29.0	7.3 1✓
15	-22°	2027	7	41.0	-22	9.9	6.3 1✓
16	-22°	2066	7	47.4	-22	48.4	7.5 1✓
17	-22°	2065	7	47.4	-22	56.5	7.4 1✓
18	-23°	6465	7	49.7	-23	8.8	7.5 1✓
19	-22°	2084	7	50.3	-22	37.4	8.0 1✓
20	-22°	2087	7	50.6	-22	29.8	4.3 1✓
21	-22°	2104	7	52.9	-22	55.3	6.2 1✓
22	-25°	5081	7	42.9	-25	37.9	5.3 1✓
23	-28°	4774	7	38.8	-28	39.5	4.2 1✓
24	-27°	4706	7	49.3	-27	46.3	7.5 1✓
25	-27°	4729	7	50.3	-27	56.4	7.7 1✓
26	-20°	2235	7	45.4	-20	48.2	5.6 1✓
27	-20°	2236	7	45.5	-20	20.9	7.4 1✓

cards made out.

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1913phae.proj.2151C

Saturday, April 26, 1913.

B 89 11 long disp.

No.	Int.	Class	Remark
28	6	B3	E.
29	2	Ao	
30	3	Ao	
31			

Time: 11.02

31 5 B5

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1913phae.proj.21510

28	−19°	1967	7	30.3	−19	22.6	5.8 1v
29	−21°	2030	7	29.9	−21	50.4	6.7 1v
30	−21°	2029	7	29.8	−21	58.4	8.1 1v

Identified by A.M.C. June 11, 1913
Checked. Nov. 10, 1913 L.D.W.
Cards made out by C.R.B.
Cards checked by A.M.C.

✓ 31 −25° 4775

95 Vir B.D. +2935

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1913phae.proj.21510

Saturday, April 26, 1913.

Time: 11 35 5

B 11036 long. disp. 8. 6 - 20.9

No.	Int.	Class	Remark
1	6	A2	
2	6	A0	
3	5	A0	
4	10	A0	
5	1	K5	
6	3	K2	
7	4	K5	
8	2	K0	
9	5	K2	
10	5	A0	
11	10	B3	
12	1	A0	
13	7	B9	
14	2	K0	
15	3	A3	
16	2	A0	
17	10	A2	
18	6	A0	
19	10	B3	
20	8	F0	
21	3	[illegible]	
22	7	B9	
23	3	A2	
24	5	F5	
25	9	B3	
26	8	A0	
27	8	K0	

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1913phae.proj.21510

1	−18°	2082	7	49.0	−18	39.8	7.2	✓
2	−20°	2284	7	50.0	−20	4.7	7.1	✓
3	−19°	2175	7	52.9	−19	4.3	8.0	✓
4	−18°	2118	7	53.4	−18	0.2	5.3	✓
5	−17°	2274	7	53.8	−17	36.4	8.0	✓
6	−17°	2276	7	54.0	−17	32.2	8.0	✓
7	−17°	2311	7	58.0	−17	15.3	6.8	✓
8	−16°	2295	8	0.1	−16	52.8	8.0	✓
9	−16°	2304	8	0.7	−16	57.3	6.8	✓
10	−17°	2331	7	59.8	−17	57.8	7.8	✓
11	−19°	2228	7	58.2	−19	19.3	6.4	✓
12	−18°	2159	7	58.8	−18	59.2	8.7	✓
13	−19°	2240	7	59.5	−19	28.7	7.5	✓
14	−19°	2243	8	0.0	−19	25.0	8.0	✓
15	−19°	2245	8	0.1	−19	55.1	8.2	✓
16	−20°	2387	8	0.3	−20	7.2	8.7	✓
17	−20°	2395	8	0.9	−20	7.9	5.8	✓
18	−19°	2260	8	2.0	−19	26.5	7.8	✓
19	−18°	2190	8	2.6	−18	49.3	4.5	✓
20	−19°	2262	8	2.3	−19	56.7	6.7	✓
21	−20°	2405	8	2.6	−20	4.6	8.2	✓
22	−18°	2206	8	4.6	−18	32.8	7.6	✓
23	−17°	2395	8	6.8	−17	41.9	7.8	✓
24	−16°	2363	8	8.3	−16	49.8	6.8	✓
25	−15°	2280	8	2.8	−15	49.4	5.6	✓
26	−15°	2362	8	10.7	−15	50.3	6.3	✓
27	−17°	2464	8	15.3	−17	7.5	6.0	✓

cards made out.

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1913phae.proj.21510

Saturday, April 26, 1913
B 11036 long disp.

No.	Int.	Class	Remark
28	3.	A_2	
29	1	A_0	
30	1	N_5	
31	3	F_0	
32	10	A_0	
33	8	B_3	
34	2	A_0	
35	8	A_0	
36	8	Comp.	Tie = g_0. $Ft = A_3$
37	7	A_0	
38	4	A_2	
39	8	F_2	
40	3	N_0	
41	10	A_2	
42	4	g_0	E.
43	8	N_5	E. Maybe Tie.
44	3	F_5	E.
45	3	N_2	E.
46	9	A_0	E.
47	2	A_3	
48	7	F_0	
49	6	A_0	
50	2	A	E.
51	2	A_0	
52	2	A_0	
53	3	A_0	
54	4	A_3	

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1913phae.proj.2151C

28	−18°	2257	8	11.1	−18	30.8	8.0	✓
29	−18°	2251	8	10.4	−18	43.1	8.7	✓
30	−18°	2243	8	9.5	−18°	58.1	7.5	✓
31	−19°	2321	8	9.5	−19	37.1	8.3	✓
32	−20°	2467	8	10.5	−20	52.5	6.6	✓
33	−21°	2358	8	10.4	−21	26.0	6.8	✓
34	−21°	2371	8	12.4	−21	7.4	8.5	✓
35	−19°	2355	8	12.9	−19	42.6	7.0	✓
36	−19°	2369	8	14.9	−19	37.0	5.8	✓
37	−20°	2499	8	15.1	−20	20.0	7.2	✓
38	−20°	2500	8	15.3	−20	13.7	8.0	✓
39	−20°	2522	8	18.9	−20	34.5	5.8	✓
40	−21°	2426	8	18.9	−21	39.8	7.0	✓
41	−22°	2262	8	18.6	−22	41.0	6.2	✓
42	−23°	7269	8	19.5	−23	17.5	7.7	✓
43	−23°	7277	8	19.7	−23	38.3	5.8	✓
44	−22°	2276	8	20.7	−22	46.5	7.7	✓
45	−22°	2278	8	20.9	−22	57.4	7.0	✓
46	−22°	2286	8	22.3	−22	35.2	7.0	✓
47	−21°	2392	8	14.6	−21	59.3	8.2	✓
48	−22°	2233	8	14.1	−22	27.7	6.3	✓
49	−22°	2231	8	13.9	−22	53.8	8.0	✓
50	−24°	6769	8	13.0	−24	13.9	7.9	✓
51	−23°	7077	8	11.9	−23	20.7	8.4	✓
52	−23°	7024	8	10.0	−23	15.6	8.3	✓
53	−23°	6977	8	8.2	−23	35.0	8.4	✓
54	−23°	6971	8	7.8	−23	7.9	7.7	✓

cards made out.

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1913phae.proj.2151C

Saturday, April 26, 1913.

B 11036 long disps

No.	Int.	Class	Remark
55	7	F0	
56	3	F0	E.
57	3	A3	
58	4	A3	
59	1	G5	
60	8	B5	
61	6	F0	
62	2	K0	
63	3	A0	
64	3	G5	
65	2	F5	
66	3	G0	
67	2	A0	
68	2	F2	
69	4	A0	
70	7	A2	
71	8	A2	
72	4	A0	
73	6	A0	
74	9	G5	
75	4	A0	
76	10	G	Burned out
77	3	B9	
78	5	A0	
79	6	G5	E.
80	4	F5	E
81	4	B5	

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1913phae.proj.2151C

55	−23°	6974	8	7.9	−23	54.9	7.4	✓
56	−24°	6666	8	8.9	−24	33.1	7.5	✓
57	−24°	6450	8	4.5	−24	9.0	8.2	✓
58	−24°	6545	8	4.3	−24	14.9	8.0	✓
59	−23°	6857	8	3.4	−23	11.0	8.5	✓
60	−23°	6846	8	3.0	−23	15.6	6.7	✓
61	−22°	2173	8	4.0	−22	6.4	7.3	✓
62	−21°	2293	8	2.9	−21	9.0	7.5	✓
63	−21°	2290	8	2.5	−21	16.6	8.2	✓
64	−21°	2284	8	1.9	−21	43.0	7.7	✓
65	−21°	2268	8	0.5	−21	13.2	8.2	✓
66	−22°	2142	8	58.7	−22	1.8	7.8	✓
67	−22°	2135	7	57.6	−22	17.2	8.6	✓
68	−21°	2245	7	57.8	−21	24.3	7.6	✓
69	−20°	2365	7	57.7	−20	57.9	7.3	✓
70	−21°	2235	7	56.3	−21	51.8	8.1	✓
71	−21°	2220	7	55.0	−21	56.2	7.7	✓
72	−21°	2210	7	53.6	−21	52.9	8.1	✓
73	−22°	2110	7	53.8	−22	57.6	7.8	✓
74	−22°	2104	7	52.9	−22	55.3	6.2	✓
75	−24°	6234	7	52.1	−24	11.1	8.1	✓
76	−22°	2087	7	50.6	−22	29.8	4.3	✓
77	−22°	2084	7	50.3	−22	37.4	8.0	✓
78	−23°	6465	7	49.7	−23	8.1	7.5	✓
79	−20°	2236	7	45.5	−20	48.2 / ~~20.9~~	5.6 / ~~7.4~~	✓
80	−20°	2236	7	45.5	−20	20.9	7.4	✓
81	−24°	6329	7	56.1	−24	37.0	8.1	✓

cards made out.

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1913phae.proj.21510

Saturday, April 26, 1913.

B 1036 Long dist.

	No.	Int.	Class	Remark
	82	4	A_3	
	83	3	F2	
	84	2	K^5	
	85	3	A_5	
11.55	86	3	N^5	E.
	8			

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1913phae.proj.2151C

82	−25°	5436	7	56.0	−25	3.8	7.5	✓
83	−24°	6365	7	57.3	−24	41.5	7.6	✓
84	−24°	6379	7	57.9	−24	15.0	8.0	✓
85	−24°	6420	7	59.3	−24	0.6	7.6	✓
86	−25°	5530	7	59.3	−25	20.9	7.1	✓

Identified by J.C.M. August 14, 1913
Checked by A.H.C. September 1, 1913
Cards made out by E.R.B.
Cards checked by A.M.C.

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1913phae.proj.21510

Monday April 28, 1913.

Time: 11, 18 B18288 short disps.

No.	Int.	Class	Remark
1	7	B5	
2	2	A0	
3	7	F2	
4	1	A	Partly superposed on 5.
5	6	A3	
6	3	B9	
7	2	A0	
8	3	B9	
9	4	K0	
10	2	K0	
11	3	B9	
12	4	F5	
13	2	A0	
14	10	A5	
15	4	A3	
16	2	A3	
17	6	A5	
18	8	K0	
19	1	K2	
20	1	A2	
21	2	K2	
22	10+	F8	
23	4	K2	
24	2	A0	
25	4	A2	
26	10+	B8	
27	6	F5	

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1913phae.proj.21510

1	−17°	1941	7	16.2	−17	21.3	8.3
2	−17°	1940	7	16.2	−17	25.7	9.5
3	−17°	1937	7	15.9	−17	32.3	8.2
4	−17°	1936	7	15.7	−17	30.4	9.3
5	−17°	1935	7	15.6	−17	32.8	8.5
6	−17°	1933	7	15.6	−17	46.3	9.7
7	−17°	1930	7	15.3	−17	35.0	9.4
8	−17°	1929	7	15.2	−17	53.1	9.1
9	−18°	1798	7	14.9	−18	21.1	8.5
10	−18°	1805	7	15.6	−18	12.4	9.1
11	−18°	1814	7	16.9	−18	12.8	9.3
12	−18°	1815	7	17.0	−18	3.9	8.8
13	−17°	1956	7	17.5	−17	46.3	9.3
14	−18°	1822	7	17.9	−18	3.9	8.0
15	−17°	1960	7	18.1	−17	48.1	9.0
16	−17°	1961	7	18.2	−17	41.0	9.5
17	−17°	1942	7	16.4	−17	32.6	8.7
18	−17°	1947	7	16.7	−17	28.8	7.8
19	−17°	1948	7	16.8	−17	24.4	9.2
20	−17°	1953	7	17.1	−17	21.7	9.5
21	−17°	1954	7	17.3	−17	26.7	9.1
22	−17°	1955	7	17.4	−17	8.0	7.5
23	−17°	1967	7	19.1	−17	26.1	8.8
24	−17°	1968	7	19.2	−17	27.4	9.5
25	−17°	1970	7	19.6	−17	51.0	8.2
26	−17°	1971	7	19.7	−17	49.8	8.0
27	−17°	1973	7	19.9	−17	32.5	8.5

Cards made out

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1913phae.proj.21510

Monday, April 28, 1913.

B 15 2 88 short disp.

Nr.	Int.	Class	Remark
28	10	Ao	
29	3	Ao	
30	7	B8	
31	5	B8	
32	2	F5	
33	1	Ao	
34	2	A2	
35	1	G5	
36	1	G	
37	4	Ao	
38	7	Ao	
39	2	A5	
40	2	Ao	
41	1	A2	
42	6	B8	
43	1	F0	
44	6	A5	
45	2	K2	
46	3	Ao	
47	2	F8	Trail of a very bright star?
48	3	Ao	
49	2	A2	
50	2	Ao	
51	1	Ao	
52	1	K0	
53	2	K0	
54	2	F0	

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1913phae.proj.21510

28	−18°	1831	7	19.6	− 18	4.5	7.8	∧ ✓
29	−18°	1833	7	19.9	− 18	26.0	9.4	∧ ✓
30	−18°	1837	7	20.1	− 18	28.3	8.5	∧ ✓
31	−18°	1826	7	18.7	− 18	34.0	9.0	∧ ✓
32	−18°	1824	7	18.4	− 18	22.0	9.2	∧ ✓
33	Approx pos (1855)		7	18.2	−18	6		✓
34	−18°	1828	7	17.9	− 18	3.9 9.5	9.5	∧ ✓
35	−18°	1829	7	19.3	− 18	44.8 6.6	9.3	∧ ✓
36	−18°	1818	7	17.5	− 18	19.6	9.1	∧ ✓
37	−18°	1819	7	17.6	− 18	45.8	9.2	∧ ✓
38	−18°	1817	7	17.2	−18	38.5	8.5	∧ ✓
39	Approx pos (1855)		7	17.0	−18	40		✓
40	−19	1858	7	17.4	− 19	2.0	9.8	∧ ✓
41	Approx pos (1858)		7	16.9	−19	0		✓
42	−18°	1809	7	16.2	− 18	45.8	9.0	∧ ✓
43	−18°	1808	7	16.1	− 18	43.7	9.5	∧ ✓
44	−18°	1807	7	16.0	− 18	56.2	8.6	∧ ✓
45	−18°	1802	7	15.3	− 18	44.6	8.9	∧ ✓
46	−18°	1803	7	15.3	− 18	50.6	9.6	∧ ✓
47	−18°	1806	7	15.8	− 18	44.4	6.0	∧ ✓ Trail
48	−19°	1846	7	16.0	−19	42.3	9.0	∧ ✓
49	−19°	1852	7	16.8	−19	32.7	9.3	∧ ✓
50	−19°	1853	7	16.8	− 19	42.5	9.7	∧ ✓
51	Approx pos (1855)		7	17.4	−19	23		✓
52	−19°	1864	7	18.1	− 19	11.4	9.2	∧ ✓
53	−19°	1872	7	18.7	− 19	11.6	9.1	∧ ✓
54	−18°	1827	7	18.8	− 18	57.1	9.5	∧ ✓

Cards made out

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1913phae.proj.21516

Monday, April 28, 1913.

B18288 short disp.

No.	Int.	Class	Remark
55	2	K0	
56	10+	A3	Burned out
57	1	G5	
58	1	A	
59	3	B9	
60	3	A5	
61	4	F5	
62	1	A2	
63	3	B8	
64	4	A2	
65	1	A	
66	1	K0	
67	2	A0	
68	3	K2	
69	2	B9	
70	2	A0	
71	3	A2	
72	3	F0	
73	1	K0	
74	3	B9	
75	4	A0	
76	2	A2	Partly superposed on 75.
77	2	B9	(Partly superposed on a star already classified)
78	1	A0	
79	2	K0	
80	3	G5	
81	4	B9	

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1913phae.proj.21516

55	−18°	1825	7	18.5	−18	43.7	9.0	∧ ∨
56	−18°	1825	7	18.5	−18	43.7	7.0	∧ ∨
57	−18°	1832	7	19.8	−18	53.4	9.3	∧ ∨
58	−18°	1835	7	20.0	−18	44.0	9.7	∧ ∨
59	−18°	1839	7	20.5	−18	47.2	9.5	∧ ∨
60	−18°	1840	7	20.6	−18	48.1	9.4	∧ ∨
61	−18°	1844	7	20.8	−18	40.5	9.0	∧ ∨
62	−18°	1845	7	21.1	−18	52.3	9.5	∧ ∨
63	−19°	1893	7	20.9	−19	12.6	9.2	∧ ∨
64	−19°	1900	7	21.5	−19	22.7	9.3	∧ ∨
65	−19°	1902	7	21.6	−19	16.5	9.5	∧ ∨
66	−19°	1909	7	22.4	−19	29.4	9.0	∧ ∨
67	−19°	1910	7	22.8	−19	16.6	9.5	∧ ∨
68	−19°	1912	7	23.1	−19	4.0	8.8	∧ ∨
69	−18°	1864	7	23.2	−18	56.3	9.2	∧ ∨
70	Approx pos. (1855)		7	22.7	−18	49		∨
71	−18°	1855	7	22.4	−18	35.9	9.3	∧ ∨
72	−18°	1853	7	22.0	−18	33.9	9.1	∧ ∨
73	−18°	1856	7	22.5	−18	29.7	9.1	∧ ∨
74	−18°	1857	7	22.6	−18	10.9	9.1	∧ ∨
75	−18°	1863	7	23.2	−18	9.9	9.0	∧ ∨
76	−18°	1862	7	23.1	−18	12.9	9.3	∧ ∨
77	−18°	1859	7	22.8	−18	35.2	9.2	∧ ∨
78	−18°	1861	7	22.9	−18	29.0	10	∧ ∨
79	−17°	2010	7	24.4	−17	57.3	9.0	∧ ∨
80	−17°	2004	7	23.5	−17	41.8	8.6	∧ ∨
81	−17°	2007	7	24.1	−17	32.8	9.0	∧ ∨

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1913phae.proj.2151c

Monday, April 28, 1913.
T3 18288 plant asts.

No.	Int	Class	Remarks
82	2	A2	
83	4	F8	
84	3	K5	
85	3	A0	
86	1	G5	
87	2	A0	
88	2	A0	
89	2	A0	
90	1	A3	
91	3	A0	
92	2	A0	
93	2	A0	
94	2	A2	
95	1	K0	
96	4	B9	
97	4	K0	
98	3	G0	
99	1	A	
100	3	A0	
101	2	K5	
Time: 11.26	102	5	A0
" 11.45	103	3	B9
	104	3	A0
	105	3	G5
	106	1	A3
	107	2	K0
	108	2	B9

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1913phae.proj.21510

82	-17°	2009	7	24.2	-17	36.8	9.2	1 v
83	-17°	2013	7	24.6	-17	24.0	9.0	1 v
84	-17°	2015	7	24.8	-17	22.5	8.9	1 v
85	-17°	2014	7	24.7	-17	42.2	9.0	1 v
86	-17°	2016	7	25.0	-17	35.8	9.1	1 v
87	Approx. pos.		7	25.1	-17	27		J
88	-17°	2018	7	25.4	-17	56.3	9.5	1 v
89	-18°	1881	7	24.9	-18	9.8	9.5	1 J
90	-18°	1879	7	24.8	-18	21.2	9.5	1 J
91	-18°	1885	7	25.3	-18	24.3	9.4	1 J
92	-18°	1887	7	25.4	-18	15.8	9.4	1 v
93	-18°	1886	7	25.4	-18	38.5	9.2	1 v
94	-18°	1889	7	25.6	-18	24.7	9.5	1 v
95	-18°	1895	7	26.0	-18	25.9	9.0	1 J
96	-18°	1894	7	26.0	-18	34.6	9.2	1 v
97	-18°	1901	7	26.4	-18	12.6	8.7	1 J
98	-17°	2025	7	26.3	-17	56.0	9.0	1 v
99	-18°	1890	7	25.6	-18	15.3	9.8	1 v
100	-17°	2022	7	25.9	-17	32.9	9.2	1 J
101	-17°	2021	7	25.9	-17	12.1	9.0	1 J
102	-17°	2029	7	26.7	-17	30.7	9.0	1 v
103	-16°	2012	7	26.4	-16	54.9	8.8	1 v
104	-16°	2015	7	27.0	-16	58.1	9.2	1 J
105	-16°	2006	7	26.1	-16	31.2	8.9	1 v
106	-16°	2008	7	26.2	-16	16.7	8.3	1 v
107	-16°	2010	7	26.3	-16	1.1	8.7	1 v
108	-16°	2011	7	26.4	-16	4.2	9.4	1 v

Cards made out

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1913phae.proj.21510

Monday, April 28, 1913.

B18288 short disp.

No.	Int.	class	Remarks
109	5	K2	
110	2	B8	Another star superposed?
111	2	A9	
112	2	B8	Partly superposed on 113
113	7	B5	
114	2	A0	
115	7	B9	
116	3	A0	
117	6	K0	
118	1	K2	
119	1	F2	Partly superposed on 118.
120	3	A0	
121	7	B8	
122	9	G0	
123	4	B9	
124	2	B9	
125	4	M0	
126	2	K5	
127	4	K0	
128	4	B3	
129	4	F0	
130	2	A0	
131	1	A0	
132	1	K0	
133	1	K0	
134	2	A0	
135	3	A2	

11.54
April eq. 1913
9.4 2

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1913phae.proj.21516

109	-16°	2001	7	25.7	-16	39.4	8.2	∧ ∨
110	-16°	1999	7	25.3	-16	41.4	9.2	∧ ∨
111	-16°	1996	7	25.2	-16	46.3	9.4	∧ ∨
112	-16°	1997	7	25.2	-16	54.0	9.0	∧ ∨
113	-16°	1995	7	25.1	-16	53.5	7.9	∧ ∨
114	-16°	1992	7	25.0	-16	56.8	9.3	∧ ∨
115	-17°	2006	7	24.0	-17	1.1	8.6	∧ ∨
116	-17°	2005	7	23.9	-17	4.5	9.0	∧ ∨
117	-16°	1978	7	23.7	-16	46.0	7.8	∧ ∨
118	-16°	1986	7	24.2	-16	47.8	8.8	∧ ∨
119	-16°	1984	7	24.1	-16	49.8	9.5	∧ ∨
120	-16°	1988	7	24.5	-16	36.5	9.5	∧ ∨
121	-16°	1973	7	22.8	-16	41.0	8.7	∧ ∨
122	-17°	1996	7	22.8	-17	2.7	7.5	∧ ∨
123	-17°	1993	7	22.7	-17	13.0	9.1	∧ ∨
124	-17°	1997	7	23.0	-17	18.8	9.4	∧ ∨
125	-17°	1998	7	23.1	-17	17.0	8.7	∧ ∨
126	-17°	1999	7	23.2	-17	12.2	9.0	∧ ∨
127	-17°	2000	7	23.4	-17	14.1	8.7	∧ ∨
128	-18°	1873	7	24.6	-18	38.1	9.0	∧ ∨
129	-18°	1882	7	25.0	-18	52.4	9.0	∧ ∨
130	-18°	1880	7	24.9	-18	56.9	9.3	∧ ∨
131	-19°	1928	7	25.0	-19	4.8	9.6	∧ ∨
132	-19°	1934	7	25.6	-19	11.9	9.0	∧ ∨
133	-18°	1884	7	25.2	-18	56.0	9.1	∧ ∨
134	-18°	1899	7	26.3	-18	43.7	9.5	∧ ∨
135	-18°	1898	7	26.2	-18	54.3	9.5	∧ ∨

cards made out

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1913phae.proj.21510

Tuesday. April 29, 1913

B18288 short disp.

No.	Int.	Class	Remark
136	4	K0	Partly superposed on 135. Another partly superposed.
137	4	F2	Maybe comp. Look up.
138	3	F5	
139	3	A0	
140	3	A0	
141	2	A0	
142	3	F8	
143	4	B9	
144	3	K0	
145	2	A0	
146	2	A0	
147	1	G5	
148	3	A0	
149	5	F2	
150	1	K5	
151	4	A0	
152	8	F0	
153	4	A3	
154	5	K0	
155	2	F8	
156	1	K0	
157	3	A0	
158	3	K5	
159	2	B9	
160	3	K2	
161	6	F2	
162	3	A0	

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1913phae.proj.21510

136	−18°	1897	7	26.1	−18	52.1	8.8	∧ ∨ −18° 1896 mogn. 9.3 superposed
137	−19°	1941	7	26.8	−19	9.4	9.1	∧ ∨ outmove in catalogue B 33451 shows this star diff.
138	−18°	1905	7	27.2	−18	45.7	9.0	∧ ∨
139	−18°	1906	7	27.2	−18	53.7	9.2	∧ ∨
140	−18°	1907	7	27.2	−18	17.6	9.2	∧ ∨
141	−18°	1912	7	27.7	−18	12.0	9.3	∧ ∨
142	−17°	2033	7	27.2	−17	42.4	9.0	∧ ∨
143	−17°	2037	7	27.6	−17	30.2	9.0	∧ ∨
144	−17°	2053	7	28.9	−17	35.9	8.5	∧ ∨
145	−17°	2055	7	29.2	−17	45.2	9.4	∧ ∨
146	−17°	2045	7	28.5	−17	55.0	9.2	∧ ∨
147	−18°	1915	7	28.3	−18	8.2	9.3	∧ ∨
148	−18°	1922	7	29.4	−18	14.5	9.1	∧ ∨
149	−18°	1921	7	28.8	−18	35.1	8.7	∧ ∨
150	−18°	1918	7	28.5	−18	40.0	9.0	∧ ∨
151	−19°	1960	7	29.5	−19	4.2	9.0	∧ ∨
152	−18°	1925	7	29.5	−18	31.5	8.0	∧ ∨
153	−18°	1926	7	30.1	−18	28.7	9.0	∧ ∨
154	−18°	1928	7	30.4	−18	38.0	8.7	∧ ∨
155	−18°	1929	7	30.5	−18	28.3	9.1	∧ ∨
156	−18°	1931	7	30.9	−18	29.6	9.1	∧ ∨
157	−18°	1936	7	31.4	−18	17.7	9.3	∧ ∨
158	−18°	1932	7	30.9	−18	8.4	8.6	∧ ∨
159	−17°	2062	7	31.1	−17	42.1	9.3	∧ ∨
160	−17°	2057	7	29.6	−17	36.4	9.0	∧ ∨
161	−17°	2058	7	29.8	−17	29.5	8.5	∧ ∨
162	−17°	2059	7	29.9	−17	7.5	9.1	∧ ∨

Cards made out

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1913phae.proj.2151C

Tuesday, April 29, 1913.

B 18288 short disp.

Tr.	Int.	Class	Remark
163	5	Bg	
164	1	Ko	
165	2	A2	
166	7	Ko	
167	1	Ao	Partly superposed on 166.
168	2	Ao	
169	1	Ao	
170	5	F2	
171	5	F2	
172	10	go	
173	1	Ao	Partly superposed on 174.
174	4	go	
175	2	Ao	
176	10	g	Burned out.
177	3	K2	
178	2	Ma	
179	5	A3	
180	3	K2	
181	8	Ko	
182	6	Ao	
183	1	K5	
184	9	Ko	
185	4	Bg	
186	3	Bg	
187	1	Ao	
188	1	Ao	Partly superposed on 189.
189	3	A2	

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1913phae.proj.21510

163	−16°	2041	7	29.8	−16	52.1	8.5	∧ ✓
164	−16°	2036	7	29.4	−16	50.5	9.1	∧ ✓
165	−16°	2034	7	29.1	−16	39.5	9.4	∧ ✓
166	−16°	2037	7	29.6	−16	34.5	7.9	∧ ✓
167	−16°	2040	7	29.7	−16	35.2	9.7	∧ ✓
168	−16°	2042	7	30.0	−16	38.9	9.5	∧ ✓
169	Approx. pos. (1855)		7	28.9	−16	51		✓
170	−16°	2027	7	28.4	−16	48.0	8.6	∧ ✓
171	−17°	2050	7	28.8	−17	5.0	8.9	∧ ✓
172	−17°	2048	7	28.7	−17	14.3	7.7	∧ ✓
173	−17°	2046	7	28.6	−17	11.9	9.3	∧ ✓
174	−17°	2043	7	28.5	−17	10.9	9.0	∧ ✓
175	−16°	2025	7	28.2	−16	59.4	9.4	∧ ✓
176	−15°	1904	7	27.7	−15	52.7	7.0	∧ ✓
177	−16°	2031	7	28.8	−16	5.3	8.6	∧ ✓
178	−15°	1926	7	29.8	−15	57.4	8.3	∧ ✓
179	−15°	1940	7	30.9	−15	45.1	8.6	∧ ✓
180	−16°	2052	7	31.1	−16	5.5	8.3	∧ ✓
181	−15°	1950	7	31.6	−15	43.0	7.2	∧ ✓
182	−16°	2063	7	32.4	−16	6.2	8.6	∧ ✓
183	−16°	2060	7	32.1	−16	23.2	9.2	∧ ✓
184	−16°	2069	7	32.9	−16	30.8	6.3	∧ ✓
185	−17°	2063	7	31.3	−17	6.0	8.8	∧ ✓
186	−17°	2068	7	31.7	−17	1.4	8.9	∧ ✓
187	−17°	2067	7	31.6	−17	14.2	9.8	∧ ✓
188	−17°	2073	7	32.0	−17	44.6	9.4	∧ ✓
189	−17°	2071	7	32.0	−17	48.1	9.4	∧ ✓

Cards made out

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1913phae.proj.21510

Tuesday, April 29, 1913.

B18288 short disp.

No.	Int.	Class	Remark
190	3	A0	
191	3	A3	
192	4	B9	
193	10+	B8	Burned out.
194	3	B9	
195	2	G5	
196	2	G5	
197	5	B8	
198	2	A0	
199	2	K0	
200	1	A0	
201	1	K0	
202	4	B3	
203	2	K5	
204	2	A0	The following of two.
205	1	A0	
206	2	A2	
207	4	A2	
208	1	K5	
209	1	F5	
210	1	B5	
211	2	B9	
212	1	K5	
213	10	F0	
214	1	A0	
215	4	K0	
216	1	K0	Partly superposed on 215.

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1913phae.proj.21510

190	−18°	1941	7	32.0	−18	10.0	9.1	1
191	−17°	2077	7	32.8	−17	47.7	9.0	1
192	−17°	2078	7	32.9	−17	54.5	9.0	1
193	−18°	1946	7	32.7	−18	20.9	7.3	1
194	−18°	1945	7	32.6	−18	28.7	9.4	1
195	−18°	1943	7	32.2	−18	44.8	9.3	1
196	−19°	1976	7	30.9	−19	3.1	9.3	1
197	−19°	1981	7	31.6	−19	15.7	9.1	1
198	−19°	1980	7	31.6	−19	27.5	9.5	1
199	−19°	1974	7	30.8	−19	40.3	8.9	1
200	−19°	1972	7	30.6	−19	35.4	9.6	1
201	−19°	1963	7	29.8	−19	16.4	9.3	1
202	−19°	1959	7	29.4	−19	27.8	9.0	1
203	−19°	1961	7	29.8	−19	57.7	8.9	1
204	−20°	2046	7	29.0	−20	33.4	9.5	1
205	−20°	2049	7	29.2	−20	57.3	9.5	1
206	−21°	2017	7	28.8	−21	6.6	9.8	1
207	−20°	2067	7	30.8	−20	15.1	9.0	1
208	−20°	2072	7	31.0	−20	17.2	9.0	1
209	−19°	1971	7	30.6	−19	56.5	9.3	1
210	−19°	1965	7	30.1	−19	54.2	9.3	1
211	−19°	1985	7	31.9	−19	42.8	9.5	1
212	−19°	1992	7	32.6	−19	43.1	9.1	1
213	−19°	1993	7	32.6	−19	56.6	7.7	1
214	−19°	1986	7	31.9	−19	28.5	9.5	1
215	−19°	1989	7	32.4	−19	30.6	9.1	1
216	−19°	1991	7	32.4	−19	31.5	9.3	1

cards made out

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1913phae.proj.2151C

Tuesday, April 29, 1913.

B 10288 short disp.

No.	Int.	Class	Remark
217	5	A0	
218	5	F0	
219	2	K0	
220	10+	M	
221	1	K5	
222	4	A2	
223	4	B9	
224	2	A2	
225	6	B9	
226	9	B9	
227	4	B5	
228	3	G5	
229	1	F8	
230	3	A	Another star of same class superposed.
231	1	K5	
232	1	A0	Partly superposed on 231.
233	6	K0	
234	2	A0	
235	1	K5	
236	1	K0	
237	1	F0	
238	4	B8	
239	2	A2	
240	1	A0	
241	16	A2	
242	3	G0	
243	4	B9	Partly superposed on 244.

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1913phae.proj.21510

217	−19°	1995	7	33.0	−19	25.7	9.1	1 ✓
218	−19°	1999	7	33.5	−19	19.6	9.1	1 ✓
219	−19°	2001	7	33.7	−19	22.3	9.2	1 ✓
220	−19°	2003	7	33.8	−19	20.2	6.4	1 J
221	−20°	2087	7	32.9	−20	1.8	9.0	1 J
222	−19°	1997	7	33.4	−19	55.2	9.0	1 J
223	−19°	2005	7	34.0	−19	47.8	9.2	1 ✓
224	−19°	2006	7	34.3	−19	32.3	9.5	1 J
225	−18°	1965	7	34.8	−18	51.6	8.7	1 ✓
226	−18°	1967	7	34.8	−18	39.3	8.5	1 ✓
227	−18°	1968	7	35.0	−18	49.5	9.0	1 J
228	−18°	1947	7	33.0	−18	27.0	9.1	1 ✓ ² magn. 9.5 −18° 1948 Superposed
229	−18°	1949	7	33.0	−18	41.5	9.3	1 J
230	−18°	1950	7	33.1	−18	40.1	9.3	✓ Only one star in catalogue Two on chart-plate Either might be identical to catalogue star, or both.
231	−18°	1952	7	33.6	−18	43.7	9.0	1 ✓
232	−18°	1953	7	33.6	−18	42.8	9.8	1 ✓
233	−18°	1958	7	33.9	−18	29.8	8.4	1 ✓
234	Approx pos. (1855)		7	33.6	−18	22		✓
235	−18°	1957	7	33.9	−18	12.8	8.8	1 ✓
236	−18°	1955	7	33.8	−18	19.9	9.3	1 J
237	−18°	1961	7	34.3	−18	23.5	9.5	1 J
238	−18°	1964	7	34.6	−18	11.8	9.4	1 J
239	−18°	1963	7	34.5	−18	17.6	9.5	1 J
240	−18°	1962	7	34.4	−18	9.8	9.8	1 ✓
241	−17°	2081	7	33.2	−17	32.1	7.6	1 ✓
242	−17°	2083	7	33.3	−17	34.6	9.1	1 J
243	−17°	2091	7	34.0	−17	32.2	9.4	1 J

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1913phae.proj.21510

Tuesday, April 29, 1913.

B318288 short exp.

	No.	Int.	Class	Remark
	244	4	A2	
	245	2	F2	
	246	3	A0	
	247	2	F	Use gas. neb. for intensities.
	248	5	F8	
	249	4	F5	
	250	5	A	Another star of same class superposed. Yes Wright cat
	251	2	A0	
	252	6	A2	
	253	7	A0	
	254	10	F5	
	255	7	A0	
10.15	256	3	F5	
10.54	257	2	A5	
	258	5	A0	
	259	5	A0	Another star superposed?
	260	2	A0	
	261	5	A0	
	262	5	F0	
	263	8	A0	
	264	6	A0	
	265	4	F5	
	266	5	F8	
	267	4	F5	
	268	5	A0	
	269	3	F2	
	270	2	A2	

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1913phae.proj.21510

244	−17°	2092	7	34.0	−17	37.8	9.3	1 ✓	
245	−17°	2098	7	34.7	−17	47.4	9.0	1 ✓	
246	−17°	2102	7	35.1	−17	45.1	9.3	1 ✓	
247	−17°	2105	7	35.5	−17	52.1	Neb	1 ✓	
248	−18°	1969	7	35.5	−18	3.5	9.0	1 ✓	
249	−17°	2106	7	35.6	−17	52.0	8.7	1 ✓	
250	−17°	2108	7	35.9	−17	55.6	8.8	D !	Double? Two stars see chart plate. only one in catalogue
251	−18°	1979	7	36.1	−18	6.5	9.8	1 ✓	
252	−18°	1981	7	36.4	−18	3.8	9.1	1 ✓	
253	−18°	1982	7	36.4	−18	19.9	9.0	1 ✓	
254	−18°	1976	7	35.9	−18	45.9	7.8	1 ✓	
255	−18°	1974	7	35.7	−18	53.5	8.7	1 ✓	
256	−19°	2018	7	36.1	−19	4.8	8.7	1 ✓	
257	−20°	2080	7	32.1	−20	26.9	9.3	1 ✓	
258	−20°	2084	7	32.6	−20	22.7	8.9	1 ✓	
259	−20°	2090	7	33.1	−20	20.6	9.1	1 ✓	1 magn. 9.4 −20° 2089 superposed
260	−20°	2097	7	33.6	−20	24.6	9.2	1 ✓	
261	−20°	2098	7	33.7	−20	29.0	8.8	1 ✓	
262	−20°	2106	7	34.3	−20	25.4	8.8	1 ✓	
263	−20°	2109	7	34.5	−20	37.3	8.2	1 ✓	
264	−20°	2117	7	35.2	−20	23.0	8.7	1 ✓	
265	−20°	2112	7	34.7	−20	1.6	8.7	1 ✓	
266	−19°	2010	7	34.9	−19	59.7	8.6	1 ✓	1 magn. 9.0 −20° 2116 superposed
267	−20°	2114	7	34.9	−20	55.1	7.8	1 ✓	
268	−20°	2119	7	35.2	−20	54.6	8.7	1 ✓	
269	−21°	2079	7	35.5	−21	1.9	8.6	1 ✓	
270	−21°	2043	7	31.5	−21	6.8	9.4	1 ✓	

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1913phae.proj.2151C

Tuesday, April 29, 1913.

B 18288 short disps.

No.	Int.	Class	Remark
271	1	Q	
272	1	K0	
273	1	K5	
274	3	Q2	
275	3	Q3	
276	1	K5	
277	1	Q	
278	1	K5	
279	1	Q	
280	2	Q0	
281	2	Q0	
282	2	Q3	Partly superposed on 283.
283	2	K5	
284	2	Q3	
285	4	Q0	
286	2	Q3	
287	2	Q3	
288	2	Q3	
289	2	Q0	
290	2	Q2	
291	2	Q0	
292	3	Q0	
293	1	Q0	
294	1	K0	
295	2	K3g	
296	2	K3s	
297	1	K2	

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1913phae.proj.21510

271	−21°	2042	7	31.4	−21	25.2	9.5
272	−21°	2041	7	31.0	−21	18.9	9.0
273	−21°	2059	7	32.7	−21	1.0	9.0
274	−20°	2100	7	33.8	−20	57.8	9.1
275	−20°	2104	7	34.2	−20	41.5	8.8
276	−20°	2107	7	34.3	−20	53.9	8.8
277	−20°	2111	7	34.6	−20	57.0	9.4
278	−21°	2074	7	34.9	−21	18.7	9.5
279	−21°	2075	7	35.0	−21	9.8	9.3
280	−19°	1936	7	26.3	−19	43.4	9.4
281	−19°	1940	7	26.6	−19	47.4	9.5
282	−19°	1945	7	27.0	−19	57.3	9.4
283	−20°	2017	7	27.0	−20	1.8	9.1
284	−20°	2012	7	26.6	−20	11.7	9.3
285	−20°	2010	7	26.5	−20	10.9	9.3
286	−20°	1992	7	25.1	−20	26.6	9.4
287	−20°	1989	7	25.0	−20	26.5	9.4
288	−20°	1982	7	24.4	−20	10.4	9.3
289	−20°	1973	7	23.8	−20	11.0	9.7
290	−19°	1913	7	23.2	−~~20~~ 19	39.1	9.5
291	−19°	1903	7	22.0	−19	48.8	9.4
292	−20°	1948	7	21.0	−20	20.0	9.5
293	−20°	1944	7	20.5	−20	19.3	9.4
294	−20°	1942	7	20.2	−20	0.3	9.1
295	−19°	1883	7	19.8	−19	52.6	9.3
296	−20°	1940	7	20.2	−20	14.3	9.2
297	−19°	1881	7	19.6	−19	58.3	9.6

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1913phae.proj.2151C

Tuesday. April 29, 1913.
B 18288 short disp.

No.	Int.	Class	Remark
298	2	F5	
299	3	A2	
300	3	Bg	
301	2	Bg	
302	1	K2	
303	2	Ao	
304	2	A3	
305	2	B8	Focus poor.
306	4	Ao	
307	2	G5	
308	2	K	
309	3	G5	
310	2	Ao	
311	1	Ao	
312	4	A	
313	3	A	
314	3	A3	
315	4	Ao	
316	1	K	
317	3	Bg	
318	2	Ao	
319	1	G	
320	10+	Bg	
321	8	Bg	Nearly all superposed on 320.
322	10+	Fo	
323	4	Fo	
324	2	A2	

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1913phae.proj.21516

298	−20°	1922	7	19.2	−20	8.2	9.3	∧ ∨
299	−19°	1895	7	21.1	−19	51.0	9.2	∧ ∨
300	−19°	1890	7	20.7	−19	38.9	9.2	∧ ∨
301	−19°	1876	7	18.9	−19	32.8	9.5	
		~~1873~~	~~7~~	~~18.8~~	~~−19~~	~~39.1~~	~~9.0~~	↓
302	−19°	1868	7	18.4	−19	50.5	9.3	∧ ∨
303	−20°	1908	7	18.3	−20	19.5	9.4	∧ ∨
304	−20°	1914	7	18.6	−20	39.1	9.4	∧ ∨
305	−20°	1906	7	18.1	−20	49.7	9.1	∧ ∨
306	−21°	1923	7	18.8	−21	11.6	9.2	∧ ∨
307	−20°	1892	7	16.4	−20	55.0	8.8	∧ ∨
308	−21°	1901	7	16.4	−21	0.9	9.4	
		1900	7	16.3	−21	0.5	9.2	−21 1900 auf. ?
309	−20°	1894	7	16.6	−20	28.4	9.2	∧ ∨
310	−20°	1886	7	15.9	−20	0.5	9.3	∧ ∨
311	−20°	1885	7	15.8	−20	0.3	9.5	∧ ∨
312	−19°	1841	7	15.5	−19	55.7	9.1	∧ ∨
313	−19°	1837	7	14.9	−19	57.3	9.0	∧ ∨
314	−19°	1833	7	14.5	−19	40.2	9.1	∧ ∨
315	−21°	1965	7	23.3	−21	53.4	8.9	∧ ∨
316	−21°	1981	7	24.8	−21	57.2	9.1	∧ ∨
317	−21°	1991	7	25.7	−21	54.2	9.2	∧ ∨
318	−22°	1910	7	25.7	−22	14.5	9.2	∧ ∨
319	−22°	1915	7	26.0	−22	10.3	9.4	∧ ∨
320	−18°	1846	7	21.2	−18	12.2	7.6	∧ ∨
321	−18°	1847	7	21.2	−18	12.2	8.5	∧ ∨
322	−17°	1980	7	20.7	−17	34.2	6.0	∧ ∨
323	−17°	1981	7	20.9	−17	15.3	8.7	∧ ∨
324	−16°	1965	7	21.5	−16	54.8	9.7	∧ ∨

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1913phae.proj.2151C

Tuesday, April 29, 1913.

B 18288 short disp.

No.	Int.	Class	Remark
325	1	K	
326	4	F0	
327	5	F2	
328	4	A5	
329	6	A5	
330	3	B8	
331	5	B3	
332	7	A0	
333	8	A2	
334	4	A5	
335	2	F2	
336	1	G5	
337	1	K0	
338	3	B9	
339	1	A2	
340	3	A3	
341	2	A0	
342	5	A0	
343	1	G5	
344	8	K0	
345	2	A2	Partly superposed on 344.
346	3	A2	
347	8	K2	
348	6	K5	
349	4	A0	
Time: 11.15	350	3	F2
	351		

Cent 134, 58.

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1913phae.proj.21510

325	−17°	1989	7	22.0	−17	1.5	9.2	1 ✓
326	−16°	1969	7	22.1	−16	15.7	8.7	1 ✓
327	−15°	1856	7	23.0	−15	58.7	8.4	1 ✓
328	−15°	1853	7	22.8	−15	46.0	8.7	1 ✓
329	−15°	1851	7	22.7	−15	51.1	8.7	1 ✓
330	−16°	1963	7	21.4	−16	5.6	8.9	1 ✓
331	−15°	1837	7	21.3	−15	48.1	8.9	1 ✓
332	−15°	1826	7	20.4	−15	52.2	9.0	1 ✓
333	−15°	1825	7	20.2	−15	36.5	8.3	1 ✓
334	−15°	1823	7	20.1	−15	38.3	9.0	1 ✓
335	−16°	1958	7	20.0	−16	11.5	8.9	1 ✓
336	−17°	1976	7	20.2	−17	1.8	9.0	1 ✓
337	−16°	1955	7	19.4	−16	55.2	8.7	1 ✓
338	−16°	1954	7	19.2	−16	32.1	9.1	1 ✓
339	−16°	1952	7	19.0	−16	44.4	9.7	1 ✓
340	−16°	1949	7	18.8	−16	10.6	9.0	1 ✓
341	−16°	1938	7	17.2	−16	19.5	9.5	1 ✓
342	−16°	1933	7	16.9	−16	17.5	8.7	1 ✓
343	−16°	1936	7	17.1	−16	28.2	9.4	1 ✓
344	−16°	1928	7	16.3	−16	26.9	7.8	1 ✓
345	−16°	1926	7	16.3	−16	28.8	9.3	1 ✓
346	−16°	1931	7	16.6	−16	54.4	9.2	1 ✓
347	−16°	1923	7	15.8	−16	2.2	7.2	1 ✓
348	−15°	1799	7	17.3	−15	35.4	7.9	1 ✓
349	−15°	1798	7	16.9	−15	26.4	8.9	1 ✓
350	−15°	1815	7	18.6	−15	40.2	9.0	1 ✓

cards made out Identified by Anne June 12, 1913

Cards checked by E.B.W.B. Checked. Aug. 7. 1913. E.B.W.

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1913phae.proj.2151C

Saturday, May 3, 1913.

June: q. 31

I 37 345 long disp.

Nr.	Int.	Class	Remark
1	5	Mb	
2	6	h_0	
3	2	h_0	
4	2	F_2	
5	3	F_5	
6	10	h_5	
7	6	F_5	
8	3	F_5	
9	1	F_8	
10	1	a_2	
11	2	h_5	
12	1	F_5	
13	8	F_2	
14	4	F_5	
15	3	F_0	
16	2	a_0	
17	4	K_0	
18	8	F_2	
19	5	K_0	
20	5	a_2	
21	2	K_2	
22	2	a_2	
23	2	F_2	
24	1	h_{F_5}	
25	3		
26	3	h_0	
27	7	a_5	

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1913phae.proj.21516

1	+39°	2193	8	54.5	+39	17.9	7.0	1✓
2	+38°	1993	8	54.3	+38	24.0	7.3	1✓
3	+38°	1995	8	54.8	+38	6.7	8.4	1✓
4	+38°	1997	8	56.1	+38	59.5	8.5	1✓
5	+39°	2199	8	56.6	+39	0.5	8.0	1✓
6	+39°	2200	8	57.3	+39	2.1	4.7	1✓
7	+38°	1999	8	57.6	+38	51.2	7.2	1✓
8	+38°	1998	8	57.4	+38	38.7	8.0	1✓
9	+39°	2202	8	57.7	+39	16.3	8.0	1✓
10	+38°	2003	9	0.1	+38	37.4	9.2	1✓
11	+38°	2006	9	1.6	+38	55.2	7.8	1✓
12	+39°	2216	9	2.8	+39	9.6	8.8	1✓
13	+39°	2223	9	5.8	+39	12.6	7.0	1✓
14	+39°	2226	9	8.5	+39	49.4	7.5	1✓
15	+40°	2167	9	1.6	+40	23.5	7.5	1✓
16	+38°	2021	9	9.4	+38	42.7	8.5	1✓
17	+38°	2022	9	11.1	+38	22.8	7.8	1✓
18	+38°	2026	9	11.9	+38	48.2	6.7	1✓
19	+40°	2194	9	12.1	+40	16.1	6.8	1✓
20	+40°	2195	9	12.2	+40	54.3	6.8	1✓
21	+40°	2197	9	13.3	+40	50.9	7.5	1✓
22	+40°	2199	9	13.8	+40	18.2	8.6	1✓
23	+39°	2237	9	14.4	+39	45.9	8.3	1✓
24	+38°	2027	9	14.2	+38	56.7	8.8	1✓
25	+38°	2030	9	16.6	+38	31.3	7.8	1✓
26	+37°	1981	9	16.3	+37	52.1	8.5	1✓
27	+37°	1978	9	15.4	+37	13.2	7.0	1✓

cards made out

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1913phae.proj.2151C

Saturday, May 3, 1913.

I 37 B 45 long disp.

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

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1913phae.proj.21516

28	+37°	1982	9	16.5	+37	6.5	8.4	1 ✓
29	+37°	1984	9	17.7	+37	5.8	7.3	1 ✓
30	+36°	1963	9	19.6	+36	47.2	8.6	1 ✓
31	+37°	1992	9	22.8	+37	4.5	6.8	1 ✓
32	+37°	1995	9	23.5	+37	54.0	8.2	1 ✓
33	+37°	1997	9	24.3	+37	17.8	8.0	1 ✓
34	+37°	1998	9	24.6	+37	7.8	6.8	1 ✓
35	+37°	2004	9	25.3	+37	2.8	4.8	1 ✓
36	+35°	2015	9	22.7	+35	45.1	5.7	1 ✓
37	+34°	2000	9	22.1	+34	50.5	7.8	1 ✓
38	+35°	2022	9	25.4	+35	26.3	7.5	1 ✓
39	+35°	2026	9	27.0	+35	23.8	7.5	1 ✓
40	+36°	1979	9	27.0	+36	28.6	5.5	1 ✓
41	+40°	2138	8	52.3	+40	16.4	6.5	1 ✓
42	+39°	2187	8	53.0	+39	13.4	7.5	1 ✓
43	+38°	1986	8	51.3	+38	10.0	6.5	1 ✓
44	+38°	1981	8	48.5	+38	49.3	7.2	1 ✓
45	+37°	1929	8	47.8	+37	48.6	7.9	1 ✓
46	+37°	1927	8	47.0	+37	0.2	7.7	1 ✓
47	+36°	1888	8	46.8	+36	44.1	7.8	1 ✓
48	+36°	1889	8	49.3	+36	21.6	6.7	1 ✓
49	+36°	1897	8	52.6	+36	24.7	7.8	1 ✓
50	+36°	1904	8	55.1	+36	53.3	8.8	1 ✓
51	+36°	1905	8	56.5	+36	45.5	6.8	1 ✓
52	+37°	1938	8	52.2	+37	28.3	8.3	1 ✓
53	+36°	1908	8	56.9	+36	58.6	8.8	1 ✓
54	+37°	1943	8	58.6	+37	40.1	8.0	1 ✓

cards made out.

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1913phae.proj.2151C

Saturday, May 3, 1913.

I 37345 long disp.

No.	Int.	Class	Remark
55	6	F2	
56	1	K2	
57	6	A5	
58	1	A0	
59	3	K5	
60	2	A2	
61	1	K2	
62	1	F5	
63	1	G	
64	1	K	
65	3	K0	
66	2	K0	
67	4	F0	
68	10+	A2	
69	1	K5	
70	3	A2	
71	1	K	
72	3	K0	
73	5	F5	
74	1	K0	Another star superposed N north.
75	5	K0	
76	3	K0	
77	1	G5	
78	5	F5	
79	3	F5	
80	2	A3	
81	1	G0	

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1913phae.proj.2151c

55	+36°	1916	8	59.4	+36	53.9	7.3	1 ✓
56	+35°	1945	8	59.7	+35	56.5	7.9	1 ✓
57	+35°	1949	8	1.1	+35	59.5	7.9	1 ✓
58	+36°	1925	9	2.5	+36	13.8	8.9	1 ✓
59	+36°	1930	9	2.9	+36	4.9	7.8	1 ✓
60	+36°	1932	9	3.4	+36	57.6	8.3	1 ✓
61	+37°	1948	9	2.4	+37	20.8	8.6	1 ✓
62	+36°	1920	9	0.7	+36	58.2	8.7	1 ✓
63	+38°	2007	9	2.9	+38	8.5	8.8	1 ✓
64	+37°	1955	9	4.5	+37	37.1	8.5	1 ✓
65	+37°	1956	9	6.1	+37	40.2	8.0	1 ✓
66	+37°	1957	9	6.2	+37	17.1	8.2	1 ✓
67	+37°	1959	9	7.8	+37	39.1	8.1	1 ✓
68	+37°	1965	9	9.8	+37	25.7	4.2	1 ✓
69	+37°	1967	9	10.5	+37	35.7	8.8	1 ✓
70	+37°	1970	9	11.9	+37	19.4	8.6	1 ✓
71	+38°	2026	9	14.2	+38	0.6	8.6	1 ✓
72	+36°	1950	9	13.3	+36	11.8	8.0	1 ✓
73	+35°	1980	9	12.3	+35	33.5	7.8	1 ✓
74	+35°	1985	9	13.4	+35	26.3	8.8	1 ✓ +35° 1986 superposed mags. 8.8
75	+35°	1989	9	15.0	+35	10.1	7.7	1 ✓
76	+34°	1988	9	15.5	+34	58.2	7.9	1 ✓
77	+35°	1990	9	15.2	+35	22.4	8.4	1 ✓
78	+35°	1995	9	16.7	+35	46.1	7.8	1 ✓
79	+35°	1996	9	16.9	+35	53.0	8.1	1 ✓
80	+36°	1952	9	15.1	+36	21.5	8.2	1 ✓
81	+36°	1953	9	16.2	+36	8.9	8.7	1 ✓

cards made out.

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1913phae.proj.2151C

Saturday, May 3, 1913.

I 37345 long dials. 9 05 +36.3

No.	Int	Class	Remark
82	1	K0	
83	3	K5	
84	9	A5	
85	1	K	
86	2	G5	
87	1	G5	
88	2	G5	
89	3	F2	
90	1	K	
91	8	G0	
92	3	A0	
93	1	K2	
94	1	K5	
95	2	K0	
96	2	G5	
97	3	G5	
98	3	F2	
99	1	G5	
100	2	A5	
101	1	K	
102	1	K0	
103	7	F2	
104	8	F8	
105	3	A2	
106	7	A5	
107	5	F5	
108	9	A2	E.

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1913phae.proj.21514

82	+36°	1960	9	17.4	+36	20.1	8.5	1 ✓
83	+36°	1943	9	10.0	+36	17.6	7.7	1 ✓
84	+35°	1971	9	9.5	+35	57.6	6.7	1 ✓
85	+35°	1977	9	11.6	+35	43.5	8.5	1 ✓
86	+34°	1978	9	11.9	+34	47.6	8.4	1 ✓
87	+34°	1977	9	11.7	+34	22.9	8.4	1 ✓
88	+34°	1984	9	14.3	+34	31.5	8.1	1 ✓
89	+35°	1969	9	7.9	+35	45.0	8.4	1 ✓
90	+35°	1975	9	10.7	+35	6.7	8.7	1 ✓
91	+35°	1966	9	6.3	+35	13.5	6.3	1 ✓
92	+35°	1960	9	4.4	+35	42.0	7.8	1 ✓
93	+36°	1939	9	6.6	+36	35.1	7.8	1 ✓
94	+35°	1955	9	2.6	+35	17.9	8.3	1 ✓
95	+33°	1815	9	0.7	+33	58.9	8.5	1 ✓
96	+34°	1955	9	3.7	+34	11.4	8.1	1 ✓
97	+34°	1962	9	5.3	+34	25.4	8.1	1 ✓
98	+34°	1963	9	5.5	+34	4.8	8.3	1 ✓
99	+33°	1827	9	5.9	+33	59.1	9.0	1 ✓
100	+33°	1820	9	3.2	+33	35.9	8.8	1 ✓
101	+33°	1819	9	3.0	+33	41.9	8.7	1 ✓
102	+32°	1845	9	1.0	+32	42.8	8.3	1 ✓
103	+33°	1810	8	59.2	+33	8.5	6.7	1 ✓
104	+34°	1949	8	59.9	+34	29.0	6.5	1 ✓
105	+33°	1806	8	57.7	+33	56.5	7.8	1 ✓
106	+32°	1837	8	56.0	+32	57.0	6.8	1 ✓
107	+33°	1800	8	57.4	+33	27.0	7.5	1 ✓
108	+32°	1829	8	52.5	+32	48.9	6.3	1 ✓

cards made out.

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1913phae.proj.2151C

Saturday, May 3, 1913.

I 37345 long disp.

No.	Int.	Class	Remark
109	3	F2	E.
110	8	F0	E.
111	2	F5	E.
112	5	G3	E.
113	8	G2	E.
114	3	G5	E.
115	1	Ma	E.
116	2	K0	E.
117	2	G5	E.
118	4	G5	E.
119	2	G5	E.
120	4	K0	E.
121	2	K0	E.
122	2	F8	
123	1	F8	
124	1	G5	
125	6	Mc	E.
126	3	G5	E.
127	3	K2	E.
128	2	G2	E.
129	2	G5	E.
130			
131			
132			

9.57

enh. 135, 124

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1913phae.proj.21516

109	+32°	1825	8	51.4	+32	39.2	8.0	1 ✓
110	+32°	1821	8	50.6	+32	59.0	5.5	1 ✓
111	+32°	1816	8	49.8	+32	54.9	7.7	1 ✓
112	+32°	1811	8	48.4	+32	59.8	7.2	1 ✓
113	+33°	1785	8	48.0	+33	27.9	6.0	1 ✓
114	+33°	1784	8	47.7	+33	48.6	7.5	1 ✓
115	+33°	1789	8	49.4	+33	45.1	8.2	1 ✓
116	+34°	1923	8	49.1	+34	27.9	8.0	1 ✓
117	+35°	1915	8	51.3	+35	24.8	8.2	1 ✓
118	+35°	1913	8	50.7	+35	22.8	7.7	1 ✓
119	+35°	1912 +1	8	50.8	+35	30.8 −2.6	8.2	1 ✓
120	+35°	1905	8	48.0	+35	34.2	7.5	1 ✓
121	+35°	1904	8	47.0	+35	56.8	7.9	1 ✓
122	+35°	1937	8	57.6	+35	27.3	8.0	1 ✓
123	+35°	1938	8	57.7	+35	54.9	8.5	1 ✓
124	+34°	1939	8	55.8	+34	58.8	8.8	1 ✓
125	+31°	1946	9	1.9	+31	33.8	6.5	1 ✓
126	+31°	1941	9	0.9	+31	18.5	7.5	1 ✓
127	+31°	1934	8	58.8	+31	47.5	6.7	1 ✓
128	+32°	1823	8	51.2	+32	1.6	8.1	1 ✓
129	+32°	1817	8	50.3	+32	28.6	8.2	1 ✓

Identified by AmC. July 2. 1913
Checked Oct. 10. 1913 HDW.
Cards made out by S.R.B.
Cards checked by AmC.

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1913phae.proj.21510

Saturday, May 3, 1913.

Time: 10.03 — I 38173 long disp. — 8 45 +27

No.	Int.	Class	Remark
1	6	Ao	
2	5	Ao	
3	2	Ko	
4	4	Gs	
5	1	Ko	
6	1	Gs	
7	3	A2	
8	3	B9	
9	1	A	
10	2	F	
11	2	A2	
12	3	A3	
13	5	Fo	
14	6	Ma	
15	8	Ko	
16	9	Gs	
17	3	Ks	
18	5	Go	
19	4	Ao	
20	2	F2	
21	3	Ko	Another star superposed on pr. side
22	3	A2	
23	6	F2	
24	2	A5	
25	4	G5	
26	3	Go	
27	2	G5	

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1913phae.proj.21510

1	+24°	1955	8	27.5	+24	33.0	7.0 ∧∨
2	+26°	1809	8	28.0	+26	26.6	7.8 ∧∨
3	+26°	1815	8	29.1	+26	44.6	7.8 ∧∨
4	+26°	1816	8	29.5	+26	33.7	7.5 ∧∨
5	+24°	1969	8	30.4	+24	56.4	8.5 ∧∨
6	+25°	1969	8	31.0	+25	7.6	8.5 ∧∨
7	+25°	1983	8	37.5	+25	53.5	7.8 ∧∨
8	+24°	1992	8	40.1	+24	38.2	8.5 ∧∨
9	+25°	1989	8	40.0	+25	36.7	9.3 ∧∨
10	+27°	1663	8	37.6	+27	12.7	8.2 ∧∨
11	+27°	1667	8	38.4	+27	15.9	8.5 ∧∨
12	+27°	1672	8	41.0	+27	20.2	8.5 ∧∨
13	+27°	1674	8	42.1	+27	22.0	7.5 ∧∨
14	+28°	1659	8	43.8	+28	48.5	6.5 ∧∨
15	+28°	1660	8	44.0	+28	52.8	6.0 ∧∨
16	+28°	1666	8	47.0	+28	28.6	5.5 ∧∨
17	+27°	1685	8	45.7	+27	28.2	7.5 ∧∨
18	+26°	1865	8	46.3	+26	46.1	6.7 ∧∨
19	+26°	1866	8	46.8	+26	57.7	7.2 ∧∨
20	+26°	1869	8	47.6	+26	54.9	8.1 ∧∨
21	+26°	1855	8	43.4	+26	15.4	7.5 ∧∨ +26° 1854 mags. 8.5 superposed
22	+24°	1999	8	43.6	+24	50.8	8.0 ∧∨
23	+25°	2013	8	47.7	+25	0.8	7.0 ∧∨
24	+25°	2017	8	50.1	+25	55.6	8.5 ∧∨
25	+25°	2018	8	50.3	+25	57.8	7.5 ∧∨
26	+26°	1873	8	50.4	+26	29.0	7.7 ∧∨
27	+27°	1698	8	49.8	+27	2.5	8.2 ∧∨

Cards made out.

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1913phae.proj.2151C

Saturday, May 3, 1913.
I 38177 3 long disp.

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

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1913phae.proj.21510

28	+27°	1696	8	49.5	+27	6.5	8.9 ∧∨
29	+26°	1877	8	51.4	+26	59.6	7.3 ∧∨
30	+26°	1884	8	53.1	+26	57.3	8.2 ∧∨
31	+26°	1885	8	53.4	+26	46.5	8.7 ∧∨
32	+26°	1889	8	54.0	+26	25.5	7.0 ∧∨
33	+28°	1674	8	53.2	+28	28.2	6.2 ∧∨
34	+28°	1683	8	55.5	+28	27.8	6.5 ∧∨
35	+27°	1708	8	54.7	+27	47.1	8.5 ∧∨
36	+27°	1703	8	52.4	+27	53.6	8.6 ∧∨
37	+26°	1892	8	55.0	+26	26.4	8.4 ∧∨
38	+26°	1895	8	56.5	+26	44.3	7.8 ∧∨
39	+26°	1891	8	54.8	+26	1.5	8.7 ∧∨
40	+25°	2034	8	55.9	+25	56.6	8.7 ∧∨
41	+25°	2036	8	56.4	+25	10.8	8.2 ∧∨
42	+25°	2024	8	51.9	+25	3.1	8.3 ∧∨
43	+25°	2022	8	51.2	+25	10.5	9.0 ∧∨
44	+24°	2026	8	52.3	+24	21.6	8.6 ∧∨
45	+26°	1901	8	59.4	+26	12.3	7.3 ∧∨
46	+26°	1899	8	57.7	+26	42.4	8.3 ∧∨
47	+27°	1715	9	0.3	+27	13.3	6.0 ∧∨
48	+28°	1694	8	59.1	+28	33.7	8.2 ∧∨
49	+28°	1696	8	59.5	+28	8.6	7.8 ∧∨
50	+30°	1817	8	59.3	+30	14.5	6.0 ∧∨
51	+28°	1627	8	28.4	+28	53.7	8.3 ∧∨
52	+28°	1628	8	28.6	+28	47.7	6.5 ∧∨
53	+29°	1658	8	35.2	+29	44.8	7.3 ∧∨
54	+28°	1640	8	35.7	+28	59.1	8.3 ∧∨

cards made out.

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1913phae.proj.2151C

Saturday, May 3, 1913.
I 38 173 long disp.

No.	Int	Class	Remark
55	5	F2	
56	2	Ly0	
57	7	A5	Partly superposed on 58.
58	9	Ly5	
59	5	Ly0	
60	3	K0	
61	2	K0	
62	2	A2	
63	3	A3	
64	2	K2	
65	5	K0	
66	4	K2	
67	7	K0	
68	7	F5	
69	2	F5	
70	2	Ly5	
71	2	Ly5	
72	2	F	
73	3	K2	
74	2	K5	
75	1	A	
76	3	A0	
77	4	A2	
78	2	Ma	
10.20 79	2	F	E.
80			
81			

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1913phae.proj.2151C

55	+28°	1642	8	36.8	+28	57.8	7.3
56	+28°	1644	8	37.2	+28	53.4	8.2
57	+29°	1823	8	37.9	+29	17.6	7.5
58	+29°	1824	8	37.9	+29	16.3	4.2
59	+28°	1647	8	38.4	+28	41.5	7.0
60	+28°	1645	8	37.5	+28	6.9	7.0
61	+29°	1828	8	40.9	+29	59.3	7.5
62	+30°	1779	8	42.7	+30	3.5	8.2
63	+29°	1831	8	43.4	+29	40.7	7.8
64	+29°	1832	8	43.5	+29	23.5	8.0
65	+30°	1781	8	43.3	+30	23,4	7.0
66	+30°	1784	8	44.2	+30	29.9	7.7
67	+31°	1907	8	45.4	+31	8.0	5.3
68	+30°	1795	8	49.2	+30	47.8	6.5
69	+30°	1789	8	45.4	+30	40.2	8.6
70	+30°	1792	8	45.6	+30	46.4	8.2
71	+29°	1845	8	47.7	+29	12.8	8.4
72	+29°	1847	8	48.4	+29	46.1	8.8
73	+29°	1849	8	51.1	+29	33.9	8.0
74	+29°	1851	8	51.7	+29	13.3	8.0
75	+29°	1853	8	52.3	+29	48.1	9.0
76	+29°	1858	8	54.0	+29	56.7	8.2
77	+30°	1808	8	54.4	+30	40.8	7.3
78	+29°	1860	8	55.7	+29	51.2	8.0
79	+29°	1865	8	57.0	+29	16.8	8.5

Identified by AMC. July 1, 1913

Checked Nov. 18. 1913 H.D.W.

Cards checked by AMC.

Cards made out by S.O.B.

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1913phae.proj.21510

Saturday, May 3, 1913.

Time: 10.44 — I 38218 long exp. — 8 8 + 30.5

No.	Int.	Class	Remark
1	3	A2	
2	2	K0	
3	1	K0	
4	2	A3	
5	2	K0	
6	6	G0	
7	2	K5	
8	3	G0	
9	2	F5	
10	2	G0	
11	1	G5	
12	3	K0	Another star superposed at north.
13	2	K0	
14	1	G	
15	3	A5	
16	4	A2	
17	9	A0	Line 4128, 31 strong. Probably like T9.
18	5	A0	
19	2	F8	
20	1	F2	
21	2	A3	
22	1	G5	
23	3	A3	
24	3	A3	
25	3	F2	
26	4	A2	
27	6	F5	

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1913phae.proj.21510

1	+29°	1682	7	55.4	+29	32.2	8.8	∧ ∨
2	+29°	1675	7	54.6	+29	9.3	8.7	∧ ∨
3	+29°	1688	7	58.3	+29	0.3	8.4	∧ ∨
4	+29°	1691	7	59.3	+29	0.1	8.8	∧ ∨
5	+28°	1562	8	0.6	+28	36.6	8.7	∧ ∨
6	+29°	1696	8	0.6	+29	31.0	6.7	∧ ∨
7	+29°	1698	8	1.0	+29	32.3	7.8	∧ ∨
8	+30°	1651	8	0.2	+30	47.1	8.3	∧ ∨
9	+30°	1650	8	0.1	+30	58.5	8.5	∧ ∨
10	+30°	1645	7	58.8	+30	51.6	8.5	∧ ∨
11	+31°	1734	7	58.5	+31	6.0	8.3	∧ ∨
12	+31°	1753	8	2.4	+31	43.7	8.0	∧ ∨ +31° 1754 mag. 8.3 superposed
13	+31°	1757	8	3.2	+31	15.8	8.0	∧ ∨
14	+30°	1660	8	3.6	+30	54.3	8.7	∧ ∨
15	+30°	1661	8	3.9	+30	52.4	8.4	∧ ∨
16	+29°	1713	8	3.7	+29	58.2	8.3	∧ ∨
17	+30°	1664	8	4.2	+30	6.7	5.6	∧ ∨
18	+29°	1712	8	3.7	+29	13.8	7.8	∧ ∨
19	+29°	1709	8	3.4	+29	10.0	8.5	∧ ∨
20	+28°	1569	8	4.6	+28	43.4	8.3	∧ ∨
21	+27°	1571	8	6.7	+27	34.4	8.8	∧ ∨
22	+28°	1575	8	7.5	+28	49.7	8.5	∧ ∨
23	+29°	1730	8	9.3	+29	31.7	8.0	∧ ∨
24	+30°	1680	8	8.0	+30	46.9	8.1	∧ ∨
25	+31°	1779	8	9.0	+31	16.5	8.0	∧ ∨
26	+32°	1700	8	6.0	+32	16.5	8.2	∧ ∨
27	+32°	1704	8	6.7	+32	38.0	7.5	∧ ∨

cards made out

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1913phae.proj.2151C

Saturday, May 3, 1913.

No I 38218 long disp

No.	Int	Class	Remark
28	3	A_3	
29	5	A_0	
30	2	K_0	
31	6	A_5	E.
32	3	K_0	E.
33	2	K_0	
34	5	K_0	
35	7	K_0	
36	5	A_0	
37	3	K_0	
38	4	K_2	
39	7	A_0	
40	2	G_5	
41	1	K_0	
42	5	A_3	
43	4	K_0	
44	2	G_5	
45	1	K	
46	2	F8	
47	1	F5	
48	1	K_2	
49	3	A_2	
50	2	F	
51	1	K	
52	2	F5	
53	4	F_2	
54	5	A_0	

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1913phae.proj.2151c

28	+32°	1711	8	9.5	+32	15.3	8.3 ∧ ∨
29	+33°	1675	8	9.5	+33	46.9	7.4 ∧ ∨
30	+33°	1658	8	5.0	+33	59.3	7.6 ∧ ∨
31	+35°	1802	8	10.2	+35	30.4	7.5 ∧ ∨
32	+35°	1803	8	10.5	+35	39.1	7.3 ∧ ∨
33	+34°	1806	8	12.1	+34	19.6	8.5 ∧ ∨
34	+34°	1808	8	12.4	+34	23.3	7.3 ∧ ∨
35	+35°	1819	8	15.8	+35	29.9	6.0 ∧ ∨
36	+34°	1828	8	17.6	+34	48.0	7.8 ∧ ∨
37	+34°	1834	8	19.0	+34	0.0	7.5 ∧ ∨
38	+34°	1835	8	19.2	+34	10.6	6.9 ∧ ∨
39	+33°	1703	8	20.1	+33	10.6	6.7 ∧ ∨
40	+32°	1732	8	17.9	+32	41.8	8.3 ∧ ∨ ∧ magn. 8.8 +32° 1731 superposed
41	+32°	1728	8	15.8	+32	43.0	7.8 ∧ ∨
42	+32°	1725	8	14.8	+32	46.1	7.0 ∧ ∨
43	+31°	1806	8	15.1	+31	46.6	7.5 ∧ ∨
44	+32°	1724	8	13.9	+32	3.7	7.6 ∧ ∨
45	+32°	1722	8	12.3	+32	55.7	8.0 ∧ ∨
46	+32°	1717	8	11.0	+32	46.8	8.0 ∧ ∨
47	+32°	1713	8	10.3	+32	57.6	8.5 ∧ ∨
48	+31°	1784	8	10.5	+31	9.2	8.3 ∧ ∨
49	+30°	1702	8	14.5	+30	37.6	8.1 ∧ ∨
50	+30°	1704	8	15.1	+30	11.3	8.4 ∧ ∨
51	+30°	1706	8	16.4	+30	6.7	8.5 ∧ ∨
52	+30°	1709	8	18.2	+30	2.8	8.3 ∧ ∨
53	+31°	1814	8	18.6	+31	1.5	7.9 ∧ ∨
54	+29°	1759	8	20.4	+29	58.0	8.0 ∧ ∨

cards made out.

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1913phae.proj.2151C

Saturday, May 3, 1913.
I 38218 long disp.

No.	Int	Class	Remark
55	4	F2	
56	5	G5	
57	5	F2	
58	4	A0	
59	1	K0	
60	3	K0	
61	2	K0	
63	7	K2	
63	1	K0	
64	2	F2	
65	8	A2	
66	6	A0	
67	4	A2	
68	3	A2	
69	1	F5	
70	2	G5	
71	1	K2	
72	1	F	
73	2	G5	
74	3	A3	
75	8	F5	
76	2	K0	
77	3	F5	
June 10.56	78	1	G
	79	3	K
	80	4	F2
	81	2	A0
	82	9	B9
	83	5	K0

cont. 138, 188

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1913phae.proj.21510

55	+30°	1719	8	22.9	+30	12.1	8.1 1 v
56	+29°	1772	8	23.4	+29	48.3	7.5 1 v
57	+32°	1751	8	23.2	+32	38.8	7.5 1 v
58	+33°	1710	8	24.0	+33	54.5	7.3 1 v
59	+32°	1741	8	20.6	+32	32.9	7.5 1 v
60	+29°	1753	8	17.2	+29	5.9	7.7 1 v
61	+28°	1600	8	17.3	+28	52.8	8.0 1 v
62	+28°	1602	8	17.6	+28	21.5	6.0 1 v
63	+28°	1603	8	17.8	+28	32.0	8.3 1 v
64	+28°	1606	8	18.8	+28	2.3	8.5 1 v
65	+27°	1612	8	18.0	+27	24.6	5.7 1 v
66	+26°	1789	8	21.1	+26	40.5	7.0 1 v
67	+26°	1794	8	22.6	+26	13.6	7.5 1 v
68	+26°	1778	8	15.6	+26	55.4	8.3 1 v
69	+27°	1604	8	14.9	+27	40.3	8.7 1 v
70	+27°	1599	8	14.0	+27	59.1	7.6 1 v
71	+27°	1601	8	14.3	+27	33.2	8.4 1 v
72	+27°	1597	8	13.0	+27	53.6	8.7 1 v
73	+29°	1739	8	12.7	+29	15.3	8.3 1 v
74	+27°	1594	8	12.3	+27	48.7	8.5 1 v
75	+27°	1589	8	11.3	+27	41.3	5.7 1 v
76	+27°	1588	8	11.2	+27	19.1	8.1 1 v
77	+27°	1586	8	10.8	+27	5.4	8.2 1 v
78	+29°	1747	8	15.4	+29	12.2	8.6 1 v
79	+27	1576	107 m	3 7 5 03		Identified by A.M.C. July 1, 1913	
80	+28	1570	110 "	"		Checked Nov. 18. 1913 A.D.W.	
81	+28	1577	120 "	"		Cards made out by S.R.B.	
82	+27	1536	116 "	"		Cards checked by A.M.C.	
83	+26	1525	68 "	"			

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1913phae.proj.21510

Saturday, May 3, 1913.

Time 11.02

I 37390 long disp. 8 30 +39.9

No.	Int	Class	Remark
1	8	A2	
2	2	K0	
3	3	A2	
4	3	K2	
5	5	G0	
6	1	A2	
7	2	F0	
8	1	K	
9	2	K0	
10	2	K0	
11	7	A2	
12	2	F0	
13	1	A5	
14	3	G0	
15	4	K5	
16	1	K2	
17	3	A3	
18	6	F0	
19	2	K2	
20	1	K0	
21	7	F2	
22	3	A2	
23	3	K0	
24	5	K0	
25	2	F5	
26	2	F8	
27	1	G0	

11.06
May 5, 1913
Time: 9.30

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1913phae.proj.2151C

1	+36°	1883	8	44.8	+36	5.6	6.1	✓
2	+36°	1879	8	43.1	+36	49.2	8.2	✓
3	+36°	1874	8	41.3	+36	39.8	8.4	✓
4	+37°	1916	8	41.4	+37	25.6	7.8	✓
5	+37°	1919	8	44.0	+37	35.9	6.9	✓
6	+38°	1974	8	43.0	+38	13.6	9.2	✓
7	+38°	1973	8	42.9	+38	29.4	8.7	✓
8	+38°	1971	8	42.5	+38	26.1	8.4	✓
9	+38°	1967	8	41.5	+38	21.0	8.5	✓
10	+39°	2160	8	41.4	+39	0.1	8.0	✓
11	+38°	1961	8	39.7	+38	53.2	6.8	✓
12	+39°	2157	8	38.8	+39	8.0	8.8	✓
13	+39°	2154	8	38.0	+39	9.5	9.0	✓
14	+39°	2152	8	37.2	+39	0.7	8.5	✓
15	+38°	1958	8	37.5	+38	34.3	7.1	✓
16	+38°	1959	8	37.7	+38	47.0	8.7	✓
17	+38°	1954	8	36.5	+38	14.2	9.2	✓
18	+37°	1903	8	36.3	+37	48.5	7.0	✓
19	+38°	1950	8	35.5	+38	13.0	8.4	✓
20	+37°	1900	8	35.5	+37	36.1	8.0	✓
21	+37°	1899	8	34.9	+37	26.1	7.0	✓
22	+37°	1902	8	35.7	+37	4.1	8.1	✓
23	+36°	1863	8	34.3	+36	52.2	7.3	✓
24	+37°	1898	8	34.3	+37	13.7	7.2	✓
25	+37°	1893	8	33.0	+37	1.2	8.2	✓
26	+36°	1858	8	32.0	+36	25.6	7.9	✓
27	+36°	1857	8	31.8	+36	41.9	8.0	✓

Cards made out

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Monday. May 5, 1913.

$\pm$ 37390 long. disp.

No.	Int.	Class	Remark
28	7	A_2	
29	4	F_2	E.
30	4	F_8	E.
31	2	G_5	E.
32	4	A_2	
33	3	K_0	
34	2	F_2	
35	1	F_8	
36	2	A_0	
37	6	F_0	
38	9	A_2	
39	7	F_2	
40	1	F_2	
41	1	A_0	
42	3	G_5	
43	1	K_2	E.
44	1	K_0	
45	2	A_2	E.
46	1	G	Faulty superposed on 47
47	5	K_0	
48	5	A_0	
49	1	K_0	
50	3	G_5	
51	1	K_0	
52	1	K_0	
53	1	K_5	
54	3	K_0	

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28	+36°	1850	8	30.2	+36	1.4	7.2	✓
29	+35°	1852	8	30.0	+35	28.4	7.9	✓
30	+34°	1847	8	33.4	+34	43.2	7.3	✓
31	+35°	1864	8	34.8	+35	33.4	8.5	✓
32	+38°	1943	8	32.7	+38	35.2	8.0	✓
33	+38°	1940	8	31.3	+38	40.6	7.7	✓
34	+39°	2130	8	30.1	+39	6.9	8.7	✓
35	+38°	1937	8	29.4	+38	41.0	8.8	✓
36	+38°	1932	8	27.8	+38	25.0	9.1	✓
37	+37°	1885	8	29.0	+37	31.8	7.5	✓
38	+36°	1840	8	25.4	+36	54.7	5.9	✓
39	+36°	1836	8	24.1	+36	55.5	6.3	✓
40	+36°	1832	8	22.5	+36	52.5	8.3	✓
41	+36°	1831	8	21.6	+36	23.5	8.4	✓
42	+35°	1834	8	22.3	+35	27.5	7.0	✓
43	+34°	1855	8	23.7	+34	53.0	7.5	✓
44	+36°	1837	8	24.3	+36	17.1	7.8	✓
45	+35°	1831	8	20.5	+35	27.4	7.8	✓
46	+36°	1827	8	18.8	+36	24.6	8.0	✓
47	+36°	1826	8	18.8	+36	22.0	6.9	✓
48	+36°	1825	8	18.5	+36	36.0	7.5	✓
49	+36°	1828	8	18.9	+36	51.9	8.2	✓
50	+36°	1823	8	18.0	+36	17.6	7.8	✓
51	+36°	1814	8	16.3	+36	58.3	7.9	✓
52	+37°	1859	8	17.4	+37	~~4.9~~ 6.5	8.0	✓
53	+37°	1858	8	16.9	+37	9.1	8.4	✓
54	+37°	1857	8	16.6	+37	26.5	7.5	✓

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Monday, May 5. 1913.

I 37 39 0 long. disp.

Nos.	Int.	Class	Remark
55	4	A_3	
56	5	F5	
57	9	B9	
58	3	F5	
59	2	K0	
60	3	K5	
61	8	K0	
62	2	K0	
63	1	K0	
64	1	G	
65	1	K0	
66	1	G5	
67	4	A_2	
68	4	K0	
69	7	A_2	
70	2	A_2	
71	5	F0	
72	3	F0	
73	1	G0	
74	1	F5	
75	1	G5	
76	1	G5	The s. p. of Two.
77	1	K0	
78	3	G5	
79	1	K0	
80	5	A0	
81	2	G5	

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55	+38°	1908	8	16.9	+38	1.6	8.2	✓
56	+37°	1856	8	16.0	+37	51.9	7.3	✓
57	+37°	1870	8	21.9	+37	45.3	6.5	✓
58	+37°	1868	8	20.5	+37	33.4	8.0	✓
59	+37°	1864	8	19.0	+37	29.2	7.5	✓
60	+38°	1916	8	21.6	+38	46.4	7.5	✓
61	+38°	1920	8	23.5	+38	30.4	6.5	✓
62	+38°	1924	8	24.0	+38	23.1	8.2	✓
63	+38°	1925	8	24.2	+38	39.3	8.7	✓
64	+38°	1926	8	24.7	+38	45.3	8.8	✓
65	+37°	1876	8	23.7	+37	34.5	9.0	✓
66	+37°	1877	8	24.3	+37	35.4	8.6	✓
67	+39°	2127	8	27.1	+39	54.6	7.7	✓
68	+40°	~~2083~~ 2076	8	~~28.4~~ 27.1	+40	~~8.0~~ 15.2	7.5	✓
69	+40°	~~2083~~ 2076	8	~~28.4~~ 27.1	+40	~~8.0~~ 15.2	7.5	✓
70	+40°	2087	8	29.7	+40	0.7	8.7	✓
71	+40°	2091	8	31.3	+40	32.4	7.3	✓
72	+40°	2090	8	30.8	+40	49.7	8.0	✓
73	+40°	2086	8	29.7	+40	48.7	8.7	✓
74	+40°	2084	8	28.5	+40	50.9	8.9	✓
75	+40°	2082	8	28.0	+40	18.0	9.0	✓
76	+40°	2071	8	23.9	+40	23.6	8.8	✓
77	+39°	2116	8	22.0	+39	36.4	8.5	✓
78	+39°	2109	8	20.8	+39	51.7	8.2	✓
79	+39°	2107	8	20.2	+39	47.7	8.5	✓
80	+39°	2106	8	19.7	+39	21.9	7.8	✓
81	+40°	2058	8	19.1	+40	24.5	8.3	✓

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Monday, May 5, 1913.
I 37390 long exp.

No.	Int.	Class	Remark
82	2	K0	
83	2	G0	
84	1	G5	
85	2	F7	
86	3	F5	
87	2	F5	
88	2	K0	
89	2	K2	
90	3	A0	
91	3	G5	
92	2	K0	
93	3	F2	E.
94	4	K0	
95	2	K5	
96	6	A0	
97	5	F	E.
98	4	K0	
99	6	F2	
100	2	G5	
101	2	G0	
102	3	G0	
103	2	F2	
104	2	A2	
105	2	K0	
106	5	F5	
107	2	Ma	
108	1	F5	

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82	+40°	2055	8	18.2	+40	18.3	8.8	✓
83	+39°	~~2099~~ 2101	8	~~16.9~~ 17.2	+39	~~31.8~~ 29.2	~~8.8~~ 8.3	✓
84	+39°	2099	8	16.9	+39	31.8	8.8	✓
85	+39°	2097	8	15.6	+39	42.7	8.5	✓
86	+39°	2095	8	15.0	+39	56.9	8.2	✓
87	+38°	1905	8	14.4	+38	54.8	8.5	✓
88	+39°	2090	8	11.7	+39	19.9	8.2	✓
89	+38°	1897	8	11.0	+38	47.2	8.4	✓
90	+38°	1895	8	9.6	+38	59.7	8.5	✓
91	+39°	2082	8	8.3	+39	14.7	7.6	✓
92	+38°	1894	8	9.2	+38	10.8	7.9	✓
93	+38°	1891	8	8.2	+38	18.7	8.1	✓
94	+37°	1849	8	8.9	+37	30.4	7.3	✓
95	+37°	1848	8	8.7	+37	36.9	7.8	✓
96	+36°	1794	8	11.4	+36	13.9	7.3	✓
97	+36°	1785	8	8.5	+36	10.4	7.3	✓
98	+39°	2174	8	47.0	+39	22.3	7.8	✓
99	+39°	2164	8	44.8	+39	48.0	7.0	✓
100	+39°	2163	8	43.4	+39	56.4	8.5	✓
101	+39°	2161	8	42.5	+39	25.9	8.3	✓
102	+40°	2111	8	40.5	+40	7.7	8.2	✓
103	+40°	2109	8	38.6	+46	7.3	7.6	✓
104	+40°	2104	8	36.7	+40	3.3	8.8	✓
105	+38°	1953	8	36.1	+38	52.5	8.2	✓
106	+39°	2143	8	33.8	+39	19.4	7.7	+39° 2144 magn. 9.2 superposed
107	+39°	2141	8	33.2	+39	34.3	7.6	✓
108	+39°	2140	8	32.5	+39	40.0	8.4	✓

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1913phae.proj.21510

Tuesday, May 5, 1913.
I 37390 long disp.

No.	Int	Class	Remark
109	1	$Ly5$	
110	2	$A5$	
111	1	$K2$	
112	2	$K0$	
113	1	$K0$	
114	3	$K0$	
115	5	$K2$	
116	3	$K0$	
117	6	$F0$	
118	1	$Ly5$	
119	3	$K2$	
120	2	$K0$	
121	2	$Ly5$	
122	1	$F2$	
123	1	$A5$	
124	6	$F5$	
125	1	K	
126	8	$Ly5$	
127	1	K	
128	3	$A0$	
129	6	$K0$	
130	4	$F5$	
131	1	$K5$	Partly superposed on 132.
132	1	$F5$	
133	2	$Ly5$	
134	3	$K2$	
135	6	$Ly5$	

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109	+39°	2139	8	32.4	+39	39.7	8.4	✓
110	+39°	2137	8	31.6	+39	30.8	8.8	✓
111	+40°	2097	8	34.9	+40	22.9	8.3	✓
112	+41°	1871	8	37.9	+41	2.8	8.2	✓
113	+40°	2100	8	35.4	+40	53.3	8.6	✓
114	+42°	1922	8	38.6	+42	13.4	8.2	✓
115	+42°	1919	8	34.6	+42	37.0	7.0	✓
116	+42°	1924	8	35.7	+42	55.8	8.0	✓
117	+43°	1847	8	34.0	+43	12.6	7.2	✓
118	+41°	1866	8	30.6	+41	35.9	9.0	✓
119	+41°	1864	8	30.2	+41	53.0	8.0	✓
120	+42°	1903	8	27.9	+42	17.9	8.6	✓
121	+42°	1899	8	25.8	+42	15.5	8.5	✓
122	+42°	1896	8	25.3	+42	13.9	8.9	✓
123	+43°	1838	8	28.8	+43	41.0	8.8	✓
124	+44°	1784	8	35.4	+44	11.3	7.5	✓
125	+44°	1785	8	36.0	+44	10.6	8.0	✓
126	+44°	1794	8	42.2	+44	16.6	5.5	✓
127	+44°	1792	8	41.0	+44	2.4	8.3	✓
128	+42°	1930	8	40.0	+42	58.2	8.6	✓
129	+42°	1935	8	42.6	+42	32.9	6.2	✓
130	+41°	1877	8	41.5	+41	27.9	7.5	✓
131	+41°	1875	8	39.4	+41	36.9	8.0	✓
132	+41°	1876	8	39.5	+41	36.9	9.0	✓
133	+42°	1929	8	38.2	+42	14.6	8.0	✓
134	+40°	2117	8	43.6	+40	50.2	8.1	✓
135	+40°	2119	8	45.0	+40	40.8	7.1	✓

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1913phae.proj.2151C

Monday, May 5, 1913.

I 37390 long exps.

No.	Int.	Class	Remark
136	3	F8	
137	8	F2	E.
138	5	F0	
139	2	Ma	
140	2	G0	
141	10	F5	E.
Time: 9.50 142	4	F5	E.
143	3	F0	
144	2	G5	
145	4	G5	
146	8	A0p	lines 4128, 31 Rhy
147	7	A3	

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1913phae.proj.21510

136	+40°	2123	8	46.2	+40	35.6	8.1	✓
137	+40°	2125	8	47.1	+40	45.3	6.0	✓
138	+42°	1944	8	~~51.2~~ 46.1	+42	~~21.3~~ 13.5	~~4.1~~ 7.0	✓
139	+41°	1889	8	47.7	+41	53.6	8.2	✓
140	+41°	1896	8	49.7	+41	28.6	8.4	✓
141	+42°	1956	8	51.2	+42	21.3	4.1	✓
142	+41°	1901	8	52.2	+41	30.7	7.7	✓

Identified by M.C.W. July 16, 1913
Checked by ANC. July 17, 1913
cards made out by M.C.W.
cards checked first set by D.H.G.

✓	143	+43°	1833	8	26.3	+43	33	8.0 72 on P37704
✓	144	+41°	1826	8	13.9	+41	8	8.3 63 " "
~	145	+41	1853					67 " "
✓	146	+40	2066					66 " "
✓	147	+40	2065					65 " "

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1913phae.proj.21510

Monday, May 5, 1913.

Time: 9.54

I 378459 long exp.

	No	Int.	Class	Remarks.
✓	1	1	G5	
✓	2	2	K5	
✓	3	4	K0	
✓	4	3	K2	
✓	5	2	K5	
✓	6	1	K2	
✓	7	1	G	
✓	8	1	K0	
✓	9	2	K5	
✓	10	6	K5	
✓	11	2	K2	
✓	12	4	A5	
✓	13	2	K0	
✓	14	4	K0	
✓	15	9	B8	E.
✓	16	2	K8	
✓	17	1	K2	
✓	18	7	K0	
✓	19	3	K2	
✓	20	5	K2	
✓	21	4	K2	
✓	22	4	K2	
✓	23	6	K2	
✓	24	2	K0	
	25	3	K0	
✓	26	3	A2	
✓	27	2	G5	

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1913phae.proj.2151c

1	+41°	1934	8	54.8	+41	6.2	8.0	✓
2	+40°	2164	9	0.5	+40	45.4	7.8	✓
3	+40°	2167	9	1.6	+40	23.5	7.5	✓
4	+40°	2168	9	2.0	+40	53.3	7.5	✓
5	+40°	2173	9	3.6	+40	58.9	7.8	✓
6	+41°	1934	9	3.8	+41	28.8	8.0	✓
7	+40°	2172	9	3.5	+40	35.4	8.5	✓
8	+40°	2175	9	5.5	+40	19.0	8.1	✓
9	+40°	2180	9	6.7	+40	59.8	8.5	✓
10	+41°	1940	9	6.9	+41	24.5	8.1	✓
11	+40°	2184	9	8.9	+40	46.4	8.1	✓
12	+42°	1990	9	8.7	+42	40.1	8.3	✓
13	+42°	1994	9	9.6	+42	18.2	8.0	✓
14	+43°	1897	9	6.5	+43	1.8	7.5	✓
15	+43°	1893	9	4.3	+43	48.6	5.0	✓
16	+42°	2001	9	13.5	+42	49.1	8.0	✓
17	+43°	1909	9	14.9	+43	35.9	8.1	✓
18	+43°	1915	9	18.2	+43	23.3	6.8	✓
19	+43°	1921	9	19.7	+43	50.7	8.1	✓
20	+42°	2016	9	20.8	+42	53.8	8.3	✓
21	+42°	2011	9	18.2	+42	13.9	7.7	✓
22	+41°	1961	9	17.6	+41	39.3	7.3	✓
23	+41°	1963	9	18.5	+41	49.2	7.3	✓
24	+41°	1966	9	20.0	+41	45.3	8.4	✓
25	+41°	1968	9	20.2	+41	4.8	7.5	✓
26	+40°	2212	9	19.4	+40	36.0	7.9	✓
27	+40°	2203	9	16.4	+40	18.5	8.0	✓

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1913phae.proj.21510

Tuesday, May 5, 1913.

I 37459 long disp. q 14 +40.0

	No.	Int.	Class	Remark
✓	28	1	Fo	
✓	29	3	g5	
✓	30	3	Fo	
✓	31	2	Fo	
✓	32	2	g5	
✓	33	2	Ko	
✓	34	10	g5	
✓	35	3	go	Partly superposed on 36.
✓	36	8	F2	
✓	37	10	Fo	
✓	38	7	g5	
✓	39	5	g5	
✓	40	3	ao	
✓	41	1	g	
✓	42	1	Fo	
✓	43	4	go	E.
✓	44	2	Fo	E.
✓	45	7	Ko	
✓	46	4	a	E.
✓	47	4	K2	E.
Time: 10.04	✓ 48	3	g5	
	49			
	50			

enh 135, 122

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1913phae.proj.2151C

28	+39°	2243	9	16.6	+39	57.8	8.4	✓
29	+39°	2250	9	19.8	+39	16.1	8.5	✓
30	+39°	2252	9	21.1	+39	33.0	8.3	✓
31	+39°	2255	9	22.5	+39	14.1	8.5	✓
32	+39°	2261	9	25.0	+39	42.9	8.7	✓
33	+39°	2264	9	25.2	+39	46.0	8.3	✓
34	+40°	2224	9	26.0	+40	15.6	4.7	✓
35	+40°	2225	9	26.2	+40	38.5	8.5	✓
36	+40°	2226	9	26.3	+40	36.3	6.8	✓
37	+40°	2232	9	29.3	+40	53.7	5.5	✓
38	+40°	2241	9	33.0	+40	24.9	5.8	✓
39	+39°	2271	9	32.4	+39	36.9	7.0	✓
40	+42°	2018	9	22.9	+42	58.1	8.3	✓
41	+41°	1971	9	21.8	+41	16.3	8.7	✓
42	+40°	2218	9	23.1	+40	39.2	8.1	✓
43	+44°	1873	9	22.9	+44	23.3	7.3	✓
44	+43°	1930	9	23.7	+43	56.7	7.8	✓
45	+43°	1943	9	30.0	+43	47.7	6.5	✓
46	+44°	1892	9	31.7	+44	38.5	7.5	✓
47	+44°	1895	9	32.6	+44	17.6	7.2	✓
48	+42°	2033	9	30.5	+42	43.0	7.5	✓

Identified on cards by AMC. Mar. 6, 1914
Identified in book by J C M. March 26, 1914
Identification compared cards + book by G.R.B.

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1913phae.proj.21510

Tuesday, May 5, 1913.

Time: 10. 43 — I 38241 long disp — q 45 + 38.1

No	Int.	Class	Remarks
1	6	F5	
2	7	F5	
3	1	G	
4	2	G0	
5	2	K0	
6	4	F8	
7	8	F2	
8	4	A2	
9	2	G0	
10	2	G0	
11	2	Ma	
12	4	A3	
13	5	Md	Hγ b_v = 10 Hδ = 20 FF5 = 1.
14	2	F5	
15	2	F8	
16	5	F8	
17	6	K5	
18	5	F2	
19	5	K0	
20	4	F5	
21	4	K5	
22	2	G0	
23	5	K2	
24	1	K5	
25	2	G5	
26	5	F5	
27	8	F5	E.

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1	+35°	2033	9	30.7	+35	53.3	7.0	✓
2	+35°	2034	9	31.2	+35	59.6	7.0	✓
3	+36°	1987	9	31.3	+36	24.2	8.5	✓
4	+35°	2037	9	32.6	+35	45.0	8.6	✓
5	+34°	2019	9	33.6	+34	58.1	8.1	✓
6	+35°	2041	9	33.8	+35	39.1	8.0	✓
7	+35°	2042	9	34.0	+35	44.0	6.5	✓
8	+35°	2039	9	33.1	+35	13.0	7.5	✓
9	+35°	2043	9	34.1	+35	1.7	8.2	✓
10	+34°	2023	9	35.2	+34	3.4	8.3	✓
11	+35°	2046	9	35.5	+35	21.8	7.7	✓
12	+35°	2048	9	36.0	+35	37.6	8.4	✓
13	+35°	2050	9	36.9	+35	10.4	var.	✓
14	+36°	1993	9	38.2	+36	1.2	8.7	✓
15	+36	1995	9	40.1	+36	23.6	8.8	✓
16	+37°	2021	9	40.4	+37	11.4	8.0	✓
17	+37°	2022	9	40.7	+37	25.6	6.3	✓
18	+37°	2023	9	42.4	+37	10.1	7.2	✓
19	+36°	2001	9	41.6	+36	32.6	6.8	✓
20	+36°	2004	9	43.6	+36	59.8	7.3	✓
21	+36°	2006	9	43.8	+36	11.5	6.5	✓
22	+35°	2068	9	43.9	+35	47.1	7.3	✓
23	+35°	2073	9	45.0	+35	40.6	6.8	✓
24	+35°	2077	9	45.8	+35	27.3	8.3	✓
25	+34°	2048	9	44.7	+34	37.1	8.2	✓
26	+34°	2038	9	41.4	+34	17.0	7.8	✓
27	+233°	1920	9	48.0	+33	4.0	6.5	✓

cards made out

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1913phae.proj.2151c

Monday, May 5, 1913.

Σ 3824 1 long disp.

No.	Int.	Class	Remark
28	1	F0	
29	3	F0	
30	2	A2	
31	3	F5	
32	3	A0	
33	2	G5	
34	4	G0	
35	1	G5	
36	1	F2	
37	2	F8	
38	4	F5	
39	4	F5	
40	2	G0	
41	2	F8	
42	4	G0	
43	1	F8	
44	1	F8	
45	1	F8	
46	2	F0	
47	5	F0	
48	3	G5	
49	1	G5	
50	10	F0	
51	3	F0	
52	3	G5	
53	3	F8	
54	2	F0	

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1913phae.proj.21510

28	+33°	1922	9	48.6	+33	39.5	8.2	✓		
29	+36°	2012	9	47.7	+36	0.2	7.6	✓		
30	+35°	2084	9	48.8	+35	50.4	8.4	✓		
31	+35°	2086	9	49.2	+35	47.8	7.0	✓		
32	+38°	2079	9	46.1	+38	6.9	8.4	✓		
33	+37°	2027	9	47.0	+37	53.0	8.5	✓		
34	+38°	2083	9	47.2	+38	46.5	8.0	✓		
35	+38°	2085	9	48.3	+38	45.6	9.0	✓		
36	+38°	2090	9	50.6	+38	27.8	8.9	✓		
37	+38°	2093	9	53.2	+38	25.6	8.5	✓		
38	+38°	2094	9	54.2	+38	36.3	7.8	✓		
39	+38°	2096	9	55.2	+38	45.5	6.5	✓		
40	+37°	2041	9	53.8	+37	42.6	8.9	✓		
41	+37°	2042	9	54.4	+37	32.9	8.5	✓		
42	+37°	2038	9	52.9	+37	13.1	7.8	✓		
43	+36°	2022	9	55.0	+36	38.6	8.5	✓		
44	+35°	2094	9	52.7	+35	19.9	8.5	✓		
45	+35°	2099	9	56.0	+35	47.4	8.2	✓		
46	+35°	2101	9	57.1	+35	22.4	7.5	✓		
47	+35°	2102	9	57.3	+35	41.5	7.0	✓		
48	+34°	2079	9	57.4	+34	53.6	8.1	✓	+34°	2080
49	+35°	2106	9	58.3	+35	3.6	8.4	✓		
50	+35°	2110	9	58.9	+35	57.7	4.4	✓		
51	+34°	2089	10 9	0.2	+34	56.9	7.3	✓		
52	+34°	2088	10	0.0	+34	13.3	7.0	✓		
53	+33°	1938	9	55.5	+33	21.0	7.0	✓		
54	+33°	1939	9	55.8	+33	8.8	6.9	✓		

magn. 8.3
Superposed

cards made out

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1913phae.proj.21510

Monday, May 5, 1913.

I 38 2 41 long disp.

No.	Int.	Class	Remarks
55	2	A3	
56	5	F2	
57	3	K0	
58	2	G5	
59	2	M2	
60	1	G5	
61	1	G5	
62	7	K0	
63	5	K0	
64	3	K0	
65	2	K0	
66	1	G5	
67	2	G5	
68	1	G5	E.
69	3	G5	
70	2	F2	
71	1	K0	
72	4	G0	
73	4	K2	
74	2	K0	
75	1	K0	
76	2	G5	
77	2	G0	
78	7	F0	
79	6	K5	
80	6	A3	
81	1	F5	

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55	+38°	2098	9	56.6	+38	20.7	8.4	✓
56	+38°	2103	9	58.3	+38	44.1	8.0	✓
57	+39°	2313	9	58.7	+39	0.0	7.8	✓
58	+39°	2314	9	59.0	+39	21.4	8.0	✓
59	+39°	2318	10	0.6	+39	8.4	7.8	✓
60	+38°	2106	10	1.0	+38	52.5	8.3	✓
61	+39°	2321	10	1.7	+39	6.5	8.5	✓
62	+38°	2110	10	2.6	+38	6.9	6.0	✓
63	+37°	2058	10	2.4	+37	11.2	7.2	✓
64	+36°	2044	10	3.5	+36	58.6	8.0	✓
65	+37°	2061	10	4.0	+37	23.4	8.4	✓
66	+36°	2031	9	59.8	+36	59.3	8.9	✓
67	+37°	2053	10	0.6	+37	3.8	8.8	✓
68	+34°	2092	10	1.9	+34	49.6	8.2	✓
69	+38°	2052	9	27.2	+38	12.0	8.2	✓
70	+38°	2054	9	28.4	+38	33.4	8.7	✓
71	+37°	2009	9	28.9	+37	15.5	8.8	✓
72	+37°	2013	9	32.9	+37	56.0	7.3	✓
73	+37°	2016	9	34.2	+37	47.5	7.5	✓
74	+39°	2275	9	35.4	+39	5.7	8.5	✓
75	+38°	2062	9	36.9	+38	34.1	8.7	✓
76	+37°	2019	9	38.8	+37	58.1	8.5	✓
77	+38°	2067	9	39.1	+38	16.0	8.6	✓
78	+38°	2076	9	43.6	+38	36.2	6.3	✓
79	+40°	2261	9	41.3	+40	17.4	7.0	✓
80	+40°	2264	9	42.9	+40	16.9	7.5	✓
81	+40°	2264	9	42.3	+40	52.2	8.4	

cards made out

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1913phae.proj.21510

Monday, May 5, 1913.
I 38241 long disp.

No.	Int.	Class	Remarks
82	3	K0	
83	5	A3	
84	1	K	
85	10	F5	
86	3	K0	
87	1	K0	
88	1	A	
89	3	Ma	
90	6	F8	
91	5	F0	
92	1	K0	
93	7	A5	
94	3	K0	
95	3	F8	
96	2	F2	
97	5	F2	
98	6	F0	
99	4	A0	
100	7	K0	E.
101	5	F5	
102	1	K0	
103	6	F2	
104	1	F5	
105	3	F5	
106	1	K	
107	3	A0	
108	4	G5	

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1913phae.proj.2151C

82	+41°	2021	9	43.6	+41	3.7	7.8	✓
83	+41°	2020	9	43.3	+41	38.6	7.8	✓
84	+42°	2054	9	42.4	+42	11.2	8.2	✓
85	+41°	2033	9	48.8	+41	45.1	5.2	✓
86	+41°	2034	9	49.5	+41	25.6	7.7	✓
87	+41°	2035	9	50.5	+41	16.6	8.5	✓
88	+41°	2037	9	50.8	+41	24.4	8.7	✓
89	+42°	2080	9	54.6	+42	0.0	7.3	✓
90	+42°	2079	9	57.5	+42	42.4	6.9	✓
91	+41°	2050	9	56.9	+41	44.3	7.3	✓
92	+41°	2047	9	55.7	+41	21.9	8.1	✓
93	+40°	2286	9	57.2	+40	17.3	6.8	✓
94	+40°	2288	9	57.8	+40	13.4	7.3	✓
95	+39°	2304	9	54.2	+39	19.4	7.7	✓
96	+39°	2302	9	54.0	+39	43.9	8.6	✓
97	+39°	2303	9	54.1	+39	57.6	8.0	✓
98	~~+40°~~ +39°	2305	9	54.3	+39	59.7	7.7	✓
99	+40°	2295	10	2.1	+40	4.9	8.0	✓
100	~~+39°~~ +41°	~~2295~~ 2063	~~9~~ 10	~~49.3~~ 2.2	~~+39~~ +41	~~37.8~~ 34 22.6	~~8.6~~ 6.5	✓
101	+39°	2295	9	49.3	+39	37.8	8.1	✓
102	+39°	2288	9	45.8	+39	48.7	8.5	✓
103	+40°	2253	9	37.1	+40	29.1	7.3	✓
104	+40°	2289	9	38.8	+40	55.7	8.8	✓
105	+41°	2011	9	39.3	+41	13.0	8.4	✓
106	+41°	2012	9	40.1	+41	44.2	8.2	✓
107	+42°	2049	9	40.9	+42	13.2	8.9	✓
108	+41°	1996	9	33.4	+41	38.7	8.6	✓

magn. 8.4 +40° 2254 superposed

cards made out

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1913phae.proj.21510

Monday, May 5, 1913.

I 38241 long disp.

	No.	Int.	Class	Remark
	109	2	F5	
11.02	110	1	F0	
	~~111~~			
	~~112~~			
	~~113~~			
	~~114~~			
	✓ 111	5	F5	
	✓ 112	5	A0	
	113	6	A3	

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1913phae.proj.2151C

109	+39°	2272	9	33.1	+39	53.5	8.3	✓
110	+37°	2029	9	48.1	+37	27.2	8.5	✓

Identified by M. C. W. June 18, 1913.
Checked by AMC. June 19, 1913
cards made out by M. C. W.

111	+36°	1982	9	28.1	+36	15	7.7	
112	+36°	1981	9	27.8	+36	21	8.0	

Cards made out by AMC. Nov. 13, 1915
Ident. in book by M. A. N. Nov. 13, 1915

~ 113	+34°2035		9	40.4	+34	47	6.3	98 m ✓3771

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1913phae.proj.21510

Monday. May 5, 1913.

I 38203 long disp.

Time: 11.09

No	Int.	Class	Remark
1	2	Ir0	E
2	2	Ir0	E.
3	6	F0	
4	3	g0	
5	4	g0	
6	4	Ir2	
7	7	r0	
8	4	a.F2	
9	3	F8	
10	4	a5	
11	2	F5	
12	5	F5	
13	3	g5	
14	3	F0	
15	2	r0	
16	3	F8	
17	6	a2	
18	7	g5	
19	2	g5	
20	5	g5	
21	1	Ir0	
22	6	g0	
23	9	a0	
24	7	Bg	
25	3	F2	
26	4	g0	
27	27	r0	

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1913phae.proj.2151C

1	+26°	2026	9	47.8	+26	41.4	8.0	✓
2	+27°	1824	9	47.6	+27	21.9	8.0	✓
3	+28°	1824	9	50.2	+28	28.3	6.5	✓
4	+28°	1826	9	51.0	+28	12.5	7.9	✓
5	+28°	1827	9	52.4	+28	51.9	7.8	✓
6	+29°	1986	9	53.0	+29	28.7	7.2	✓
7	+30°	1946	9	51.3	+30	20.1	6.0	✓
8	+31°	2083	9	53.0	+31	16.1	7.7	✓
9	+29°	1988	9	53.3	+29	12.6	8.5	✓
10	+28°	1835	9	56.3	+28	33.2	7.5	✓
11	+30°	1956	9	56.8	+30	27.0	7.9	✓
12	+30°	1961	9	58.8	+30	13.6	6.8	✓
13	+29°	2000	9	58.9	+29	57.0	8.0	✓
14	+27°	1853	10	1.3	+27	45.9	7.8	✓
15	+27°	1852	9	59.9	+27	28.8	8.8	✓
16	+27°	1848	9	59.2	+27	29.4	7.5	✓
17	+26°	2057	10	5 4.5	+26	52.0	7.8	✓ Error in DM, corr. in 2nd Ed. Bonn I, p(11)
18	+27°	1862	10	5.6	+27	51.7	6.5	✓
19	+28°	1855	10	4.9	+28	8.4	8.0	✓
20	+28°	1852	10	4.5	+28	57.3	7.0	✓
21	+29°	2012	10	4.9	+29	0.4	8.3	✓
22	+29°	2021	10	8.2	+29	23.4	6.8	✓
23	+30°	1981	10	8.0	+30	1.8	6.0	✓
24	+28°	1867	10	10.0	+28	8.2	6.7	✓
25	+28°	1866	10	9.9	+28	14.9	7.7	✓
26	+26°	2065	10	8.8	+26	34.9	7.5	✓
27	+26°	2064	10	8.6	+26	6.0	6.2	✓

Cards made out

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1913phae.proj.21510

Monday, May 5, 1913.

I 38203 long disp.

No.	Int	Class	Remark
28	2	A0	
29	4	K0	
30	6	G0	E.
		F2	E.
31	10		
32	1	K0	
33	2	K0	
34	1	G0	Another star superposed at south.
35	2	F8	
36	1	G5	
37	5	K0	
38	3	F5	
39	3	K0	
40	2	K0	
41	5	F0	
42	1	G5	
43	2	Ma	
44	5	K0	
45	3	K0	
46	3	A3	
47	6	K0	
48	1	G5	
49	3	G5	
50	4	F2	
51	5	K0	
52	2	F5	
53	2	K2	
54	4	K0	

11.16
May 6, 1913
Time: 9.30

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1913phae.proj.2151c

28	+25°	2226	10	9.0	+25	50.6	8.5	✓
29	+25°	2231	10	10.9	+25	27.0	7.0	✓
30	+24°	2207	10	8.5	+24	14.3	7.0	✓
31	+24°	2209	10	8.6	+24	8.3	3.5	✓
32	+26°	2069	10	11.3	+26	52.4	8.5	✓
33	+28°	1871	10	12.9	+28	27.6	7.8	✓
34	+27°	1878	10	13.0	+27	37.7	8.3	✓
35	+27°	1884	10	15.3	+27	12.3	8.6	✓
36	+27°	1888	10	16.0	+27	5.0	9.0	✓
37	+26°	2081	10	15.7	+26	18.4	7.0	✓
38	+25°	2240	10	14.6	+25	19.1	7.9	✓
39	+25°	2249	10	16.2	+25	27.7	7.2	✓
40	+25°	2254	10	18.9	+25	40.4	7.7	✓
41	+30°	1990	10	10.3	+30	33.4	8.0	✓
42	+30°	1986	10	9.4	+30	10.8	8.7	✓
43	+31°	2119	10	9.3	+31	36.6	7.4	✓
44	+31°	2125	10	12.6	+31	23.4	7.1	✓
45	+31°	2133	10	14.8	+31	34.9	7.0	✓
46	+31°	2131	10	14.6	+31	3.3	8.3	✓
47	+30°	2005	10	15.5	+30	21.4	6.5	✓
48	+30°	2007	10	15.8	+30	56.4	8.4	✓
49	+31°	2136	10	16.8	+31	6.5	7.5	✓
50	+30°	2014	10	18.8	+30	24.8	7.5	✓
51	+30°	2021	10	20.8	+30	28.8	6.8	✓
52	+29°	2046	10	18.6	+29	6.6	8.5	✓
53	+29°	2056	10	21.7	+29	16.4	8.0	✓
54	+29°	2057	10	21.8	+29	19.2	7.0	✓

magn. 8.5 +27° 1879 superposed

cards made out

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1913phae.proj.21510

Tuesday, May 6, 1913.

I 38203 long disp.

No.	Int.	Class	Remark
55	4	F8	
56	2	F8	
57	2	K0	
58	1	K0	
59	2	G0	
60	2	G5	
61	1	F8	
62	2	K5	
63	4	K0	
64	3	A2	
65	6	G5	
66	4	F0	
67	2	F5	
68	3	F5	
69	2	K0	E.
70	7	F5	
71	1	G5	
72	3	A3	
73	2	G5	
74	1	A	
75	2	G5	
76	1	K0	
77	1	A0	
78	1	K5	
79	1	K0	
80	4	F8	E.
81	3	K0	E.

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1913phec.proj..21510

55	+28°	1890	10	21.9	+28	36.2	7.3	✓
56	+28°	1887	10	21.1	+28	14.4	8.3	✓
57	+28°	1891	10	22.3	+28	4.8	8.0	✓
58	+27°	1897	10	20.6	+27	39.5	7.5	✓
59	+27°	1895	10	19.8	+27	57.7	8.2	✓
60	+27°	1893	10	18.9	+27	23.7	8.1	✓
61	+27°	1890	10	18.6	+27	16.4	8.5	✓
62	+29°	2033	10	13.3	+29	15.7	7.9	✓
63	+29°	2030	10	12.4	+29	39.9	7.3	✓
64	+32°	2011	10	9.8	+32	51.9	8.0	✓
65	+32°	2005	10	6.8	+32	11.7	6.3	✓
66	+32°	2000	10	5.9	+32	9.1	7.8	✓
67	+32°	1996	10	4.9	+32	5.0	7.8	✓
68	+32°	1995	10	4.2	+32	3.3	8.5	✓
69	+32°	1990	10	3.0	+32	55.0	7.8	✓
70	+32°	1982	9	59.9	+32	19.4	6.5	✓
71	+31°	2097	9	57.8	+31	55.3	8.2	✓
72	+31°	2095	9	57.3	+31	48.0	7.5	✓
73	+32°	1970	9	53.7	+32	14.0	7.5	✓
74	+32°	1965	9	52.7	+32	14.1	8.4	✓
75	+31°	2100	10	0.2	+31	18.8	8.4	✓
76	+30°	1974	10	3.4	+30	52.1	7.5	✓
77	+30°	1975	10	3.6	+30	11.2	8.2	✓
78	+28°	1850	10	3.3	+28	33.2	8.0	✓
79	+27°	1860	10	4.1	+27	49.0	8.5	✓
80	+28°	1822	9	48.6	+28	47.2	8.0	✓
81	+29°	1975	9	48.9	+29	14.8	7.5	✓

cards made out

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1913phae.proj.21510

Tuesday, May 6, 1913.

I 38203 long disp.

	No.	Int.	Class	Remark
	82	3	Ly5	E.
Time: 9.35	83	1	Ho	E.
	84			

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1913phae.proj.21510

82	+29°	1977	9	49.1	+29	50.9	8.3	✓
83	+30°	1940	9	50.1	+30	14.1	8.1	✓

Identified by M. C. W. July 3. 1913.
Checked by AMC. July 8, 1913
cards made out by M. C. W.
Cards checked by AMC.

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1913phae.proj.21510

Saturday, May 10, 1913.

Time: 9.59 T340074 short disp.

	No.	Int.	Class	Remarks
	1	1	K2	
	2	1	G5	
	3	1	K5	
	4	2	F5	
	5	2	A2	
	6	2	A2	
	7	3	A0	
10.01	8	2	A0	
10.53	9	1	G5	
	10	2	K5	
	11	4	A0	
	12	3	A2	
	13	3	A0	
	14	1	K2	
	15	4	A0	
	16	1	K5	
	17	1	K5	
	18	5	F0	
	19	6	A0	
	20	5	F2	
	21	2	F0	
	22	1	K0	Nearly all superposed on 21.
	23	5	G5	
	24	1	K2	
	25	5	K0	
	26	1	F5	
	27	8	K0	

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1913phae.proj.21510

1	-70°	937	9	41.8	-70	52.9	9.1 ✓
2	-69°	1109	9	42.0	-69	42.6	9.0 ✓
3	-69°	1105	9	41.4	-69	42.1	9.2 ✓
4	-69°	1104	9	40.8	-69	48.4	8.8 ✓
5	-70°	905	9	26.7	-70	11.2	8.9 ✓
6	-70°	890	9	23.3	-70	33.0	9.0 ✓
7	-70°	887	9	21.9	-70	16.8	8.9 ✓
8	-70°	875	9	16.1	-70	9.4	9.0 ✓
9	-69°	1071	9	25.6	-69	6.6	9.1 ✓
10	-69°	1078	9	30.0	-69	22.6	9.1 ✓
11	-69°	1085	9	31.5	-69	8.0	8.4 ✓
12	-69°	1083	9	31.3	-69	10.6	8.5 ✓
13	-69°	1084	9	31.3	-69	2.5	8.5 ✓
14	-68°	956	9	28.1	-68	26.0	9.1 ✓
15	-68°	952	9	27.4	-68	11.0	8.6 ✓
16	-67°	1090	9	29.2	-67	56.6	9.1 ✓
17	-67°	1091	9	29.4	-67	47.3	9.2 ✓
18	-67°	1089	9	28.7	-67	38.0	8.4 ✓
19	-67°	1086	9	25.8	-67	28.0	8.3 ✓
20	-67°	1094	9	30.5	-67	5.2	8.4 ✓
21	-66°	1026	9	29.6	-66	46.5	9.2 ✓
22	-66°	1026	9	29.6	-66	~~46.5~~ 45.7	9.2 ✓
23	-66°	1024	9	28.6	-66	48.0	8.5 ✓
24	-66°	1023	9	28.1	-66	44.0	9.5 ✓
25	-66°	1022	9	27.8	-66	39.0	8.8 ✓
26	-66°	1017	9	25.5	-66	52.9	9.4 ✓
27	-66°	1025	9	29.0	-66	10.0	8.0 ✓

Note
Change in Number

cards made out

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1913phae.proj.21510

Saturday, May 10, 1913.

B4007 short disp.

No.	Int.	Class	Remark
28	1	Ma	
29	2	F0	
30	2	F5	
31	3	K0	
32	3	K2	
33	2	A0	
34	10+	A0	Confirmed on F3 8899
35	1	A	
36	7	F8	
37	2	G5	
38	1	K2	
39	1	K	Another star superposed at south ?
40	2	G0	
41	1	F5	
42	1	A0	
43	2	K2	
44	4	A2	
45	3	F5	
46	1	K0	
47	1	K2	
48	2	A3	
49	1	A	
50	1	A0	
51	2	A2	The mixture of Two.
52	2	A0	
53	1	A0	
54	1	K0	

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1913phae.proj.21510

28	Approx.	1875	9	29.6	-66	3		✓
29	-65°	1113	9	29.4	-65	58.7	9.1	✓
30	-65°	1114	9	30.2	-65	45.2	9.1	✓
31	-65°	1111	9	28.1	-65	38.2	9.0	✓
32	-65°	1112	9	28.4	-65	28.9	9.0	✓
33	-66°	1019	9	26.6	-66	12.9	9.0	✓
34	-66°	1018	9	26.0	-66	9.3	6.6	✓
35	-66°	1020	9	26.7	-66	4.3	9.4	✓
36	-66°	1016	9	24.8	-66	1.9	7.8	✓
37	-65°	1110	9	25.4	-65	33.1	9.0	✓
38	-65°	1109	9	24.6	-65	42.9	9.5	✓
39	-65°	1107	9	23.5	-65	32.9	9.5	✓
40	-64°	1039	9	26.5	-64	58.4	9.2	✓
41	-65°	1116	9	32.0	-65	11.3	9.4	✓
42	-65°	1120	9	35.5	-65	40.5	9.4	✓
43	-65°	1119	9	35.2	-65	53.5	9.4	✓
44	-66°	1031	9	35.0	-66	6.9	8.2	✓
45	-66°	1034	9	36.1	-66	6.1	8.8	✓
46	-65°	1129	9	39.1	-65	50.9	9.4	✓
47	-66°	1038	9	39.3	-66	3.7	9.5	✓
48	-66°	1048	9	40.4	-66	13.9	9.2	✓
49	-66°	1051	9	40.8	-66	12.4	9.2	✓
50	-66°	1053	9	41.4	-66	4.3	9.2	✓
51	-65°	1144	9	42.3	-65	37.0	9.2	✓
52	-65°	1148	9	43.4	-65	54.3	9.2	✓
53	-65°	1154	9	44.6	-65	36.2	9.2	✓
54	-65°	1161	9	45.5	-66	35.9	9.[illegible]	✓

cards made out

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1913phae.proj.2151c

Saturday, May 10, 1913.

B40074 short disp.

No.	Int.	Class	Remarks
55	1	F8	
56	3	G5	
57	8	A0	Confirmed on B8899.
58	1	K0	
59	4	A2	
60	3	A5	
61	1	K	
62	1	K0	
63	1	K	
64	2	A0	
65	1	G5	
66	2	A0	
67	3	G5	
68	3	A0	
69	4	K0	
70	3	A0	
71	9	B8	Confirmed on B8899.
72	2	Ma	
73	4	A0	
74	4	K0	
75	2	A2	
76	1	F8	
77	1	K0	
78	2	A2	
79	4	A0	
80	6	A2	
81	5	F0	

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1913phae.proj.21510

55	-66°	1029	9	32.6	-66	29.9	9.4	✓
56	-66°	1030	9	33.4	-66	43.0	8.8	✓
57	-67°	1098	9	33.4	-67	39.0	7.5	✓
58	-67°	1099	9	34.8	-67	24.8	9.1	✓
59	-68°	965 (2)	9	30.7 ~~31.8~~	-68	0.8 ~~1.9~~	8.4 ~~9.0~~	✓ ✓
60	-68°	972	9	36.6	-68	2.5	8.5	✓
61	-68°	968	9	35.5	-68	21.9	9.3	✓
62	-68°	969	9	35.9	-68	34.3	9.0	✓
63	-69°	1092	9	34.6	-69	13.4	9.2	✓
64	-69°	1095	9	37.1	-69	18.1	8.8	✓
65	-69°	1099	9	38.7	-69	3.0	9.0	✓
66	-69°	1102	9	39.9	-69	0.8	8.8	✓
67	-68°	976	9	40.7	-68	46.0	8.8	✓
68	-68°	979	9	41.2	-68	26.2	8.6	✓
69	-68°	980	9	41.5	-68	0.9	8.6	✓
70	-67°	1107	9	38.9	-67	52.3	8.4	✓
71	-67°	1111	9	39.2	-67	56.1	7.1	✓
72	-67°	1113	9	40.1	-67	52.1	9.0	✓
73	-67°	1110	9	39.2	-67	22.1	8.7	✓
74	-67°	1102	9	36.6	-67	0.5	8.6	✓
75	-66°	1035	9	38.4	-66	41.3	9.2	✓
76	-66°	1037	9	39.0	-66	34.0	9.4	✓
77	-67°	1105	9	37.5	-67	13.9	9.5	✓
78	-67°	1118	9	41.9	-67	7.1	9.2	✓
79	-66°	1069	9	42.9	-66	59.9	8.9	✓
80	-67°	1129	9	43.7	-67	5.0	8.7	✓
81	-67°	1139	9	44.7	-67	41.7	8.2	✓

cards made out

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1913phae.proj.21510

Saturday, May 10, 1913.

B4007 slant disp.

No.	Int.	Class	Remarks
82	2	g_5	
83	1	g_0	
84	1	A	
85	3	A_0	
86	7	g_5	
887	2	A_2	
88	1	A	
89	1	Ma	
90	1	K_2	
91	5	g_0	
92	4	B_9	
93	4	A_0	
94	1	g_5	Partly superposed on 95
95	2	A_0	
96	3	g_5	
97	1	K	
98	1	K	
99	1	A	
100	1	K_5	
101	4	g_5	
102	1	K_8	
103	1	K_0	
104	2	K_8	
105	4	B_9	
106	1	A_0	
107	2	A_0	
108	1	[illegible]	

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1913phae.proj.2151C

82	-67°	1141	9	44.9	-67	28.4	9.0	✓
83	-67°	1138	9	44.6	-67	1.5	9.2	✓
84	-66°	1081	9	44.7	-66	54.3	9.1	✓
85	-66°	1095	9	46.7	-66	54.7	8.9	✓
86	-67°	1149	9	47.3	-67	50.1	7.7	✓
87	-68°	988	9	45.3	-68	12.2	8.6	✓
88	-68°	983	9	42.8	-68	28.0	8.8	✓
89	-68°	987	9	45.1	-68	59.6	9.2	✓
90	-68°	1001	9	51.8	-68	25.6	9.2	✓
91	-68°	1003	9	52.6	-68	13.2	8.1	✓
92	-68°	1007	9	53.4	-68	14.1	8.2	✓
93	-68°	1008	9	53.6	-68	6.6	8.4	✓
94	-67°	1161	9	50.0	-67	48.8	9.0	✓
95	-67°	1160	9	50.0	-67	45.0	8.8	✓
96	-67°	1165	9	51.5	-67	7.7	8.8	✓
97	-67°	1162	9	50.3	-67	9.6	9.2	✓
98	-67°	1159	9	49.9	-67	30.1	9.2	✓
99	-67°	1156	9	48.7	-67	29.4	9.2	✓
100	-67°	1168	9	54.1	-67	18.0	9.2	✓
101	-67°	1179	9	57.3	-67	32.9	8.8	✓
102	-67°	1177	9	56.1	-67	53.8	8.9	✓
103	-68°	1018	9	59.3	-68	4.8	9.4	✓
104	-67°	1185	9	59.2	-67	21.2	9.0	✓
105	-67°	1178	9	56.9	-67	4.0	8.7	✓
106	-66°	1144	9	56.1	-66	48.0	9.1	✓
107	-66°	1159	9	59.3	-66	52.2	8.9	✓
108	-66°	1154	9	58.5	-66	30.7	9.2	✓

cards made out

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1913phae.proj.21510

Saturday, May 10, 1913.

B4007 4 short disp

No.	Int.	Class	Remarks
109	2	Go	
110	1	A2	
111	1	A	
112	4	Ao	
113	3	Ao	
114	1	K2	
115	2	K5	
116	9	A	(B8899)
117	2	Ko	
118	1	K5	
119	1	K5	
120	2	Ao	
121	2	Ao	
122	4	F5	
123	1	Fo	
124	1	Ko	
125	1	Neb	
126	1	A	Partly superposed on 127.
127	2	A	
128	1	K2	
129	2	G	
130	2	Ao	
131	1	F	
132	1	F	
133	2	Ao	
134	2	Ma	
135	2	Fo	

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1913phae.proj.21510

109	-66°	1152	9	57.8	-66	7.0	9.0	✓
110	-66°	1155	9	58.6	-66	18.9	9.2	✓
111	-66°	1162	9	59.6	-66	24.9	9.2	✓
112	-66°	1172	10	2.0	-66	39.0	8.5	✓
113	-66°	1176	10	2.9	-66	54.9	8.5	✓
114	-67°	1200	10	2.9	-67	1.9	9.2	✓
115	-66°	1191	10	6.3	-66	58.3	9.0	✓
116	-66°	1194	10	7.0	-66	38.8	7.0	✓
117	-66°	1189	10	5.9	-66	28.0	9.2	✓
118	-66°	1183	10	4.6	-66	4.2	9.2	✓
119	-65°	1246	10	4.2	-65	54.3	9.2	✓
120	-65°	1244	10	3.6	-65	41.9	8.9	✓
121	-69°	1149	10	4.6	-69	28.1	8.8	✓
122	-69°	1155	10	6.4	-69	45.0	8.4	✓
123	-69°	1156	10	7.1	-69	36.8	9.0	✓
124	-70°	976	10	7.1	-70	19.9	9.0	✓
125	-70°	~~980~~	10	7.5	-70	27.2	9.4	✓
126	-70°	1005	10	11.0	-70	10.6	8.6	✓
127	-70°	1004	10	10.9	-70	7.2	8.7	✓
128	-70°	964	10	4.1	-70	8.2	9.6	✓
129	-69°	1146	10	3.0	-69	58.9	9.0	✓
130	-70°	962	10	1.9	-70	20.6	8.9	✓
131	-69°	1144	10	1.7	-69	26.0	9.0	✓
132	-69°	1142	10	0.0	-69	1.1	9.3	✓
133	-69°	1133	9	53.4	-69	25.4	8.4	✓
134	-69°	1129	9	51.6	-69	2.0	8.9	✓
135	-70°	950	9	52.8	-70	20.8	8.4	✓

Cards made out

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1913phae.proj.2151c

Saturday, May 10 1913.

$B40074 short disp.

No.	Int.	Class	Remarks
136	1	A	Partly superposed on 135.
137	1	F0	Another star superposed on pr. side. Probably same class.
138	1	A	
139	3	Ao:-	
11.22	140	1	F0.
	141		

141 Ao 3
142 Go 2
143 Ao 2
144 A3 2
145 K0 2
146 K5 2
147 Ao 2
148 K5 1
149 K5 2
150 K5 2

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1913phae.proj.21510

136	−70°	951	9	52.9	−70	18.1	9.2 ✓	
137	−69°	1123	9	45.8	−69	21.9	9.1 ✓	−69° 1122 magn. 9.1 superposed.
138	−69°	1116	9	45.0	−69	22.9	9.0 ✓	
139	−69°	1106	9	41.4	−69	8.3	8.6 ✓	
140	−70°	~~875~~ 913	9	~~46.1~~ 38.4	−70	~~9.4~~ 48.2	9.0 ✓	

Identified by J.C.M. August 15, 1913
checked by A.M.C. Aug. 20, 1913
cards made out by M.C.W.
Cards checked by S.R.B.

✓	141	−68°	917	9	15.5	−68	3	9.1	162 on B21452
✓	142	−67°	1065	9	17.0	−67	9	9.1	200 " "
✓	143	−72°	836	9	30.7	−72	44	8.8	33 " B22988
✓	144	−72°	826	9	27.8	−72	24	8.7	35 " "
✓	145	−70°	914	9	30.8	−70	51	8.8	43 " "
✓	146	−71°	856	9	35.5	−71	8	8.6	47 " "
✓	147	−72°	848	9	37.4	−72	7	8.6	49 " "
✓	148	−72°	860	9	42.6	−72	44	8.8	52 " "
✓	149	−72°	863	9	43.3	−72	32	8.9	53 " "
✓	150	~~−71°~~ ~~876~~	876	9	45.0	−71	26	9.0	57 on B22988

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1913phae.proj.21510

Monday, May 12, 1913.

Time: 9.49

B42241 long disp.

No.	Int.	Class	Remarks
1	10	B	Burned out
2	3	B5	
3	2	A0	
4	2	A5	
5	8	B8	
6	7	A5	Partly superposed on 5.
7	5	A2	
8	4	B9	
9	5	A0	
10	4	B9	
11	2	A0	
12	1	A0	
13	7	B8	
14	8	B8	
15	2	A3	
16	7	B5	
17	2	A0	
18	2	A0	
19	2	A0	
20	4	N0	
21	3	B8	
22	3	B9	
23	2	A0	
24	6	A3	
25	3	B9	
26	2	A3	
27	3	A3	

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1913phae.proj.21510

1	-59°	1032	8	19.9	-59	6.5	4.4 ✓
2	-57°	1513	8	22.7	-57	43.4	7.1 ✓
3	-58°	1143	8	28.6	-58	48.2	7.7 ✓
4	-58°	1153	8	32.0	-58	21.8	7.8 ✓
5	-57°	1590	8	32.3	-57	47.5	5.6 ✓
6	-57°	1591	8	32.4	-57	34.5	6.8 ✓
7	-57°	1644	8	37.7	-57	5.9	7.2 ✓
8	-59°	1078	8	37.2	-59	6.2	6.6 ✓
9	-59°	1075	8	36.6	-59	52.6	6.8 ✓
10	-61°	1067	8	41.0	-61	14.0	6.9 ✓
11	-59°	1088	8	39.7	-59	4.7	7.4 ✓
12	-59°	1092	8	41.1	-59	8.0	8.1 ✓
13	-58°	1202	8	42.1	-58	16.0	6.6 ✓
14	-57°	1759	8	48.4	-57	9.8	6.4 ✓
15	-56°	1915	8	48.6	-56	49.4	7.9 ✓
16	-57°	1790	8	51.8	-57	45.7	7.1 ✓
17	-59°	1156	8	48.3	-59	1.0	7.9 ✓
18	-59°	1166	8	50.0	-59	21.8	7.9 ✓
19	-60°	1248	8	52.8	-60	43.5 / ~~42.5~~	7.9 / ~~9.4~~ ✓
20	-60°	1283	8	57.9	-60	28.3	7.6 ✓
21	-59°	1207	8	55.6	-59	15.1	7.6 ✓
22	-58°	1319	8	55.2	-58	42.5	7.9 ✓
23	-57°	1848	8	0.1	-57	16.2	8.1 ✓
24	-57°	1859	9	1.5	-57	21.2	7.4 ✓
25	-58°	1386	8	3.2	-58	42.2	7.6 ✓
26	-58°	1390	8	4.2	-58	38.7	7.8 ✓
27	-58°	1393	8	4.4	-58	40.7	7.8 ✓

Cards made out

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1913phae.proj.21516

Monday, May 12, 1913.
B 4:24 long disp.

No.	Int.	Class	Remark.
28	3	A3	
29	2	K5	
30	3	K0	
31	4	B9	
32	6	B9	
33	3	A0	
34	3	F2	
35	3	F5	
36	1	A0	
37	2	F5	
38	1	A3	
39	4	K0	
40	4	A5	
41	10	B3	
42	2	A0	
43	4	B1	
44	3	B9	
45	7	A0	
46	3	A2	
47	4	A0	
48	5	F5	
Line 9.56	49	10+	A
	~~50~~		
	~~51~~		
	~~52~~		
	~~53~~		
15 50.	54	5	B5
	51½	8	B5

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1913phae.proj.21510

28	-58°	1404	9	6.0	-58	45.7	7.8	✓
29	-57°	1885	9	4.7	-57	37.4	7.6	✓
30	-56°	2010	9	3.9	-56	57.7	7.7	✓
31	-55°	1924	9	1.0	-55	50.7	7.1	✓
32	-55°	1957	9	3.0	-55	18.0	5.8	✓
33	-55°	1606	8	30.0	-55	58.2	7.4	✓
34	-55°	1630	8	32.8	-55	56.6	7.5	✓
35	-56°	1735	8	33.0	-56	16.5	7.5	✓
36	-56°	1738	8	33.3	-56	26.1	8.0	-56° 1740 superposed.
37	-55°	1660	8	35.8	-55	30.1	8.0	✓
38	-55°	1674	8	37.6	-55	43.3	7.7	✓
39	-55°	1688	8	39.1	-55	19.6	7.7	✓
40	-55°	1727	8	42.4	-55	24.1	7.5	✓
41	-56°	1865	8	43.5	-56	18.5	4.7	✓
42	-54°	1834	8	45.1	-54	59.3	7.6	✓
43	-55°	1815	8	48.4	-55	20.3	7.3	✓
44	-55°	1820	8	49.0	-55	46.2	7.2	✓
45	-56°	1918	8	49.7	-56	10.6	6.8	✓
46	-56°	1922	8	50.1	-56	2.8	7.8	✓
47	-54°	1890	8	49.0	-54	52.3	7.1	✓
48	-54°	1925	8	51.7	-54	29.1	6.8	✓
49	-54°	1788	8	41.3	-54	15.1	3.5	✓

Identified by J.C.M. August 19, 1913
Checked by A.M.C. Aug. 23, 1913
cards made out by Mr. C. W.
Cards checked by A.M.C.

50	-57	1490	8	18.4	-57	34	6.8	30 m B42171
51	-57	1961	9	1.27	-57	1	7.3	102 m B38748 114 cm B41457

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1913phae.proj.21511

Tuesday, May 12, 1913.

Time: 9.58 — B 4115 Slant disp. — R 47 - 580

No.	Int.	Class	Remark.
1	2	K0	
2	1	ly	
3	1	A	
4	2	A0	
5	1	ly	
6	2	K2	
7	2	K8	
8	1	A0	
9	3	K0	
10	2	K0	
11	1	K0	
12	2	F0	
13	1	F0	
14	3	F5	
15	1	A2	
16	5	B9	
17	1	A5	
18	3	A5	
19	1	A2	
20	2	A2	
21	4	K0	
22	3	K2	
23	3	B8	
24	2	A0	
25	4	A3	
26	2	K0	
27	4	A2	

10.03
May 13, 1913
10.25

cont on pg 174

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1913phae.proj.21510

1	-58°	1117	8	22.1	-58	1.0	8.5	✓
2	-57°	1520	8	23.4	-57	29.5	8.6	✓ This star is not on BPD chart.
3	-57°	1532	8	25.1	-57	19.7	8.7	✓
4	-57°	1534	8	25.7	-57	23.5	8.4	✓
5	-57°	1538	8	26.1	-57	44.1	8.7	✓
6	-57°	1535	8	25.8	-57	57.3	8.4	✓
7	-59°	1044	8	23.8	-59	1.6	8.5	✓
8	-59°	1046	8	24.4	-59	8.1	8.5	✓
9	-59°	1048	8	26.2	-59	42.2	8.2	✓
10	-59°	1049	8	26.9	-59	45.6	8.4	✓
11	-58°	1137	8	27.7	-58	47.6	9.1	✓
12	-58°	1149	8	29.9	-58	9.0	8.4	✓
13	-60°	1146	8	31.4	-60	5.6	8.5	✓
14	-59°	1060	8	32.7	-59	58.0	8.1	✓
15	-60°	1150	8	33.8	-60	1.8	8.8	✓
16	-59°	1065	8	34.1	-59	53.4	7.6	✓
17	-58°	1177	8	38.8	-58	37.6	8.8	✓
18	-58°	1197	8	41.6	-58	34.6	8.6	✓
19	-58°	1191	8	41.0	-58	16.8	8.9	✓
20	-57°	1688	8	42.0	-57	53.4	8.7	✓
21	-57°	1709	8	44.0	-57	37.0	8.3	✓
22	-57°	1728	8	45.4	-57	45.9	8.4	✓
23	-58°	1221	8	44.5	-58	1.6	8.1	✓
24	-59°	1105	8	42.8	-59	12.9	8.7	✓
25	-59°	1121	8	44.8	-59	9.5	8.1	✓
26	-59°	1135	8	45.8	-59	29.2	8.7	✓
27	-60°	1207	8	45.9	-60	10.4	8.6	✓

cards made out.

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1913phae.proj.21516

Tuesday, May 12, 1913.

Time: 10.48 B4008 short drift. 8' 17 - 58.0

No.	Int.	Class	Remarks
1	4	g5	E.
2	1	F0	
3	2	A0	
4	2	g5	
5	6	g0	
6	3	g0	
7	1	F5	
8	1	A	
9	1	F	
10	1	g5	
11	2	A	
12	3	A	
13	2	A	
14	3	A0	
15	7	K5	
16	3	A0	
17	3	A0	
18	4	B9	
19	3	g5	
20	2	g5	
21	3	A0	
22	7	A0	
23	2	A0	
24	4	A5	
25	2	F5	
26	1	K5	
27	6	A3	

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1913phae.proj.21516

1	-59°	907	7	47.1	-59	3.5	7.8 ✓
2	-58°	1011	7	48.7	-58	57.6	9.0 ✓
3	-58°	1013	7	49.7	-58	40.5	8.8 ✓
4	-58°	1012	7	49.4	-58	19.9	8.6 ✓
5	-58°	1018	7	51.8	-58	14.5	7.8 ✓
6	-58°	1019	7	52.2	-58	24.1	8.2 ✓
7	-58°	1021	7	52.6	-58	16.0	8.8 ✓
8	-58°	1022	7	52.8	-58	16.6	9.2 ✓
9	-58°	1023	7	53.0	-58	9.9	9.3 ✓
10	-58°	1025	7	53.5	-58	27.9	9.0 ✓
11	-59°	923	7	50.3	-59	35.1	8.6 ✓
12	-59°	925	7	50.7	-59	30.5	8.3 ✓ 9.6 -59° 926 superposed
13	-59°	932	7	52.5	-59	34.0	8.6 ✓
14	-58°	1027	7	54.3	-58	45.4	8.6 ✓
15	-58°	1028	7	54.5	-58	47.4	7.7 ✓
16	-58°	1029	7	54.5	-58	54.9	8.8 ✓
17	-59°	946	7	56.0	-59	5.8	8.6 ✓
18	-59°	950	7	56.4	-59	2.0	8.3 ✓
19	-59°	951	7	56.5	-59	6.6	8.5 ✓
20	-58°	1021	7	57.4	-58	51.9	9.0 ✓
21	-58°	1034	7	58.1	-58	31.2	8.4 ✓
22	-57°	1373	7	58.9	-57	46.2	7.8 ✓
23	-57°	1381	7	59.7	-57	37.4	9.2 ✓
24	-57°	1382	7	59.8	-57	29.1	8.9 ✓
25	-57°	1384	8	0.2	-57	17.9	9.2 ✓
26	-57°	1387	8	0.9	-57	10.0	9.4 ✓
27	-57°	1393	8	2.3	-57	25.3	8.2 ✓

cards made out.

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1913phae.proj.2151c

Monday, May 12, 1913.

B 40088 short dists.

Tr.	Int.	Class	Remark.
28	5	Ao	
29	3	K5	
30	2	F0	
31	1	G5	
32	3	G5	
33	1	F8	
34	4	B9	
35	4	G5	
36	3	Ao	
37	3	Ao	Austin star superposed at north.
38	2	F8	
39	3	Ao	
40	1	A2	
41	2	K0	
42	1	K0	
43	1	Ao	
44	7	B9	
45	2	A2	
46	4	Ao	
47	4	B9	
48	1	Ao	
49	1	K0	
50	2	G0	
10.55	51	1	F5
10.59	52	1	F2
	53	5	F0
	54	5	A2

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1913phae.proj.21510

28	-57°	1391	8	1.9	-57	39.4	8.4	✓
29	-58°	1045	8	2.5	-58	0.2	8.6	✓
30	-57°	1398	8	3.3	-57	53.7	8.9	✓
31	-58°	1053	8	4.6	-58	7.3	9.2	✓
32	-58°	1048	8	2.8	-58	53.2	8.6	✓
33	-59°	968	8	0.7	-59	1.8	9.4	✓ 9.7 -59° 970 superposed ^
34	-59°	965	8	0.1	-59	27.7	8.3	✓
35	-59°	964	8	0.0	-59	32.9	8.2	✓
36	-59°	955	7	57.6	-59	37.3	8.4	✓
37	-59°	971	8	0.8	-59	43.0	8.5	✓ 8.8 -59° 972 superposed
38	-59°	969	8	0.7	-59	52.5	8.8	✓
39	-59°	973	8	1.2	-59	47.8	8.3	✓
40	-59°	975	8	2.2	-59	44.5	9.4	✓
41	-59°	978	8	4.0	-59	47.5	9.2	✓
42	-59°	976	8	3.9	-59	7.7	9.2	✓
43	-58°	1054	8	4.7	-58	50.0	9.2	✓
44	-59°	980	8	5.0	-59	4.4	7.3	✓
45	-58°	1062	8	6.1	-58	51.9	8.9	✓
46	-58°	1063	8	6.3	-58	14.9	8.4	✓ 9.4 -58° 1064 superposed
47	-57°	1411	8	6.9	-57	36.9	8.3	✓
48	-57°	1422	8	8.4	-57	16.2	9.2	✓
49	-57°	1423	8	8.5	-57	22.6	9.4	✓
50	-58°	1071	8	8.6	-58	9.8	9.1	✓
51	-58°	1075	8	9.7	-58	11.4	9.1	✓
52	-58	1079	8	10.8	-58	20.0	9.2	✓
53	-58°	1080	8	11.2	-58	14.3	8.4	✓
54	-58°	1082	8	11.5	-58	10.2	8.4	✓

cards made out.

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1913phae.proj.21510

Monday, May 12, 1913.

B40088 short disp.

Ver.	Int	Class	Remarks
55	1	Q2	
56	3	Q0	
57	6	K5	
58	1	K	
59	4	Q0	
60	4	M0	
61	2	M2	
62	4	K5	
63	1	M0	
64	2	Q0	
65	1	N5	
66	2	Q2	
67	3	M2	
68	4	Q0	
69	4	Q0	
70	3	M0	
71	13	Q0	
72	1	Na	
73	3	B9	
74	3	M5	
75	4	M5	
76	5	M0	
77	5	Q0	
78	3	Q2	
79	2	Q2	
80	3	M5	
81	2	M0	

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1913phae.proj.21510

55	-58°	1084	8	12.2	-58	26.9	9.1	✓
56	-58°	1077	8	10.1	-58	36.9	9.1	✓
57	-58°	1074	8	9.1	-58	52.7	8.2	✓
58	-58°	1072	8	8.9	-58	57.4	9.5	✓ -58° 1073 superposed 9.5
59	-59°	992	8	7.5	-59	4.0	8.7	✓
60	-59°	986	8	6.2	-59	46.1	8.8	✓
61	-59°	989	8	7.0	-59	46.0	9.2	✓
62	-59°	991	8	7.2	-59	51.0	9.0	✓
63	-60°	1067	8	6.0	-60	7.8	9.3	✓
64	-60°	1062	8	5.1	-60	12.4	9.2	✓
65	-60°	1058	8	3.6	-60	42.0	9.2	✓
66	-60°	1059	8	3.6	-60	35.2	8.9	✓
67	-61°	963	8	4.3	-61	10.5	8.4	✓
68	-61°	965	8	5.2	-61	0.2	8.2	✓
69	-61°	966	8	5.2	-61	13.8	8.1	✓
70	-61°	970	8	6.0	-61	11.2	8.8	✓
71	-61°	973	8	6.4	-61	13.9	8.7	✓
72	-61°	974	8	6.7	-61	12.0	9.4	✓
73	-61°	976	8	7.2	-61	12.8	8.8	✓
74	-61°	981	8	8.3	-61	28.3	8.8	✓
75	-61°	984	8	10.6	-61	28.1	8.9	✓
76	-62°	978	8	11.5	-62°	6.5	8.2	✓
77	-62°	980	8	12.0	-62	3.3	8.4	✓
78	-61°	1000	8	14.1	-61	58.9	8.7	✓
79	-61°	995	8	13.4	-61	28.0	9.2	✓
80	-61°	990	8	12.3	-61	16.6	8.9	✓
81	-61°	987	8	12.1	-61	9.2	9.2	✓

cards made out.

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1913phae.proj.2151c

Monday. May 12, 1913.

B40088 short disp.

No	Int.	Class	Remark
82	8	A2	
83	3	F0	
84	4	F5	
85	2	G0	
86	1	F2	
87	3	G0	
88	4	K5	
89	1	K0	
90	7	K0	
91	1	K2	
92	2	F5	
90	2	F8	
94	3	G5	
95	3	K0	
96	4	K5	
97	5	A2	
98	5	Ma	
99	3	K0	
100	2	B	
101	4	A0	
102	2	K2	
103	1	K	
104	3	A0	
105	5	K0	
106	8	A0	
107	1	G5	
108	2	B5	

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1913phae.proj.21510

82	-61°	986	8	12.0	-61	3.8	8.1	✓
83	-60°	1089	8	10.3	-60	48.7	9.0	✓
84	-60°	1091	8	10.5	-60	34.5	8.8	✓
85	-60°	1082	8	8.8	-60	35.5	9.2	✓
86	-60°	1084	8	9.0	-60	52.5	9.5	✓
87	-59°	999	8	9.8	-59	56.4	9.1	✓
88	-59°	1000	8	9.9	-59	39.8	9.0	✓
89	-59°	994	8	8.9	-59	45.8	9.6	✓
90	-59°	997	8	9.3	-59	42.0	8.4	✓
91	-59°	998	8	9.7	-59	10.0	9.6	✓
92	-59°	1003	8	11.5	-59	14.2	9.2	✓
93	-59°	1006	8	12.0	-59	5.8	9.0	✓
94	-59°	1008	8	12.6	-59	14.5	9.2	✓ 9.6 -59° 1009 superposed
95	-59°	1014	8	13.7	-59	19.7	9.2	✓
96	-59°	1012	8	13.3	-59	40.2	8.9	✓
97	-59°	1005	8	11.9	-59	53.9	8.8	✓
98	-60°	1097	8	14.6	-60	9.7	8.9	✓
99	-60°	1098	8	14.8	-60	22.9	9.2	✓
100	-60°	1099	8	15.2	-60	20.3	9.2	✓
101	-60°	1095	8	13.3	-60	40.5	8.7	✓
102	-61°	1003	8	15.6	-61	4.5	9.2	✓
103	-61°	1002	8	15.1	-61	16.0	9.4	✓
104	-61°	1005	8	16.3	-61	27.0	8.8	✓
105	-61°	1007	8	17.0	-61	18.3	8.8	✓
106	-61°	1011	8	18.8	-61	59.7	7.6	✓
107	-61°	1013	8	19.0	-61	2.9	9.0	✓
108	-61°	1016	8	20.5	-61	9.3	8.7	✓

cards made out.

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1913phae.proj.21510

Monday. May 12, 1913.

B 40088 short disp.

	No.	Int.	Class	Remarks
	109	5	A3	
	110	2	G5	Image hazy.
	111	2	A5	
	112	2	K0	
	113	5	F0	
	114	1	K0	
	115	6	F2	
11.07	116	3	K0	
12.45	117	2	A0	
	118	9	A0	
	119	1	K5	
	120	3	G0	
	121	2	G5	Partly superposed on 120.
	122	5	K0	
	123	9	B9	
	124	2	A0	
	125	10	F8	
	126	1	A	Nearly all superposed on 125.
	127	9	F3	
	128	2	A2	
	129	1	K0	Partly superposed on 128.
	130	4	F5	
	131	6	A0	
	132	3	G5	
	133	2	K0	Partly superposed on 132.
	134	2	K8	
	135	1.5	K5	

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1913phae.proj.21510

109	-60°	1111	8	21.2	-60	43.6	8.4	✓
110	-60°	1109	8	21.1	-60	35.9	9.6	✓ -60° 1110 superposed 9.6
111	-60°	1109 13	8	21.7	-60	~~35.9~~ 25.5	~~9.6~~ 9.1	✓ ~~-60° 1110 superposed~~ 9.6
112	-60°	1114	8	21.8	-60	14.5	9.1	✓
113	-60°	1107	8	19.6	-60	13.0	8.6	✓
114	-60°	1108	8	20.2	-60	24.3	9.6	✓
115	-59°	1030	8	19.3	-59	58.6	8.3	✓
116	-59°	1027	8	18.2	-59	41.7	8.9	✓
117	-59°	1026	8	18.0	-59	34.2	9.1	✓
118	-59°	1023	8	17.3	-59	42.4	7.3	✓
119	~~-60°~~ -59°	~~1107~~ 1024	~~8~~	~~19.6~~ 17.3	~~-60~~ -59	~~13.0~~ 30.0	~~8.6~~ 9.4	✓
120	-59°	1021	8	16.5	-59	48.0	8.9	✓
121	-59°	1020	8	16.5	-59	46.2	9.1	✓
122	-59°	1018	8	16.0	-59	55.1	8.4	✓
123	-59°	1017	8	15.7	-59	55.4	7.3	✓
124	-59°	1019	8	16.4	-59	9.0	9.0	✓
125	-58°	1095	8	15.4	-58	46.4	7.2	✓
126	-58°	1096	8	15.4	-58	47.1	8.8	✓
127	-58°	1093	8	14.9	-58	18.5	7.1	✓
128	-58°	1097	8	16.3	-58	19.2	8.8	✓
129	-58°	1098	8	16.3	-58	14.2	9.2	✓
130	-58°	1100	8	17.1	-58	29.8	8.3	✓
131	-58°	1102	8	19.3	-58	19.3	8.1	✓
132	-58°	1104	8	19.8	-58	23.9	8.8	✓
133	-58°	1105	8	19.8	-58	19.2	9.2	✓
134	-58°	1107	8	19.9	-58	9.0	9.2	✓
135	-58°	1108	8	20.5	-58	6.6	9.6	✓

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1913phae.proj.21510

Tuesday, May 12, 1913.

B40088 short disp

No.	Int.	Class	Remark
136	2	F_0	
137	5	F_8	
138	10	B_9	
139	3	F_8	
140	2	G_0	
141	2	A_3	
142	3	F_2	
143	1	A	
144	2	F_0	
145	4	F_5	
146	4	K_0	
147	2	K_0	
148	5	F_0	
149	1	K_0	
150	2	A_2	
151	3	K_0	
152	1	F_8	
153	1	F_0	
154	1	G_5	
155	4	F_5	
156	2	K_2	
157	6	A_3	
158	1	K_0	
159	1	K_2	
160	3	A_0	
161	1	A_0	
162	1	K.	

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1913phae.proj.21510

136	-58°	1110	8		21.1	-58	4.0	9.1 ✓
137	-58°	1117	8		22.1	-58	1.0	8.5 ✓
138	-57°	1513	8		22.7	-57	43.4	7.1 ✓
139	-57°	1517 (20)	8		23.4	-57	~~26.0~~ 29.5	~~9.6~~ 8.6 ✓
140	-57°	1525	8		23.8	-57	25.7	9.0 ✓
141	-57°	1521	8		23.5	-57	52.5	9.0 ✓
142	-58°	1119	8		22.7	-58	14.7	8.7 ✓
143	-58°	1124	8		23.5	-58	21.3	9.2 ✓
144	-58°	1130	8		24.1	-58	10.8	9.0 ✓
145	-59°	1028	8		18.3	-59	10.6	8.6 ✓
146	-59°	1031	8		19.7	-59	22.7	8.8 ✓
147	-59°	1033	8		20.3	-59	12.0	9.2 ✓
148	-59°	1036	8		20.4	-59	7.3	8.4 ✓
149	-59°	1034	8		20.3	-59	46.2	9.6 ✓
150	-59°	1037	8		20.9	-59	46.0	8.8 ✓
151	-59°	1039	8		21.8	-59	32.0	8.9 ✓
152	-59°	1040	8		22.4	-59	50.0	9.0 ✓
153	-60°	1116	8		22.7	-60	8.7	9.2 ✓
154	-59°	1042	8		23.4	-59	43.0	9.3 ✓
155	-60°	1122	8		24.3	-60	14.4	8.7 ✓
156	-60°	~~1124~~ 1123	8		25.0	-60	34.4	9.2 ✓
157	-60°	1117	8		23.2	-60	56.2	8.0 ✓
158	-60°	1121	8		24.3	-60	59.6	9.1 ✓
159	-61°	1028	8		25.8	-61	8.9	9.5 ✓
160	-60°	1128	8		26.0	-60	55.8	8.5 ✓
161	-60°	1129	8		26.1	-60	47.3	8.9 ✓
162	-60°	1130	8		26.2	-60	45.1	9.6 ✓

Cards made out.

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1913phae.proj.21510

Tuesday, May 12, 1913.
B40088 short disp.

No.	Int.	Class	Remark
163	3	F2	
164	1	A	
165	1	G	
166	2	G5	
167	6	G5	
168	1	A	
169	4	G5	
170	1	A	
171	3	B9	
172	1	G5	
173	1	Fvar	
174	3	A0	
175	2	F0	
176	2	A2	
177	1	F0	
178	5	A0	
179	2	F8	
180	4	B9	
181	5	F5	
182	1	Fpec	
183	2	F5	
184	1	G	
185	1	A	
186	1	F5	Another star superposed at south
187	1	A3	
188	5	F8	
189	2	F8	

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1913phae.proj.21510

163	-60°	1131	8	26.3	-60	40.4	8.9	✓
164	-60°	1132	8	26.7	-60	32.1	9.2	✓
165	-60°	1133	8	27.1	-60	41.4	9.2	✓
166	-60°	1136	8	27.5	-60	17.6	9.3	✓
167	-59°	1048	8	26.2	-59	42.2	8.2	✓
168	-59°	1050	8	27.0	-59	57.2	9.2	✓
169	-59°	1049	8	26.9	-59	45.6	8.4	✓
170	-60°	1137	8	28.4	-60	6.0	9.5	✓
171	-60°	1138	8	28.5	-60	3.6	8.4	✓
172	-60°	1140	8	29.2	-60	3.1	9.2	✓
173	-59°	1056	8	29.4	-59	58.0	9.5	✓
174	-59°	1054	8	28.1	-59	10.0	8.7	✓
175	-58°	1137	8	27.7	-58	47.6	9.1	✓
176	-58°	1140	8	28.2	-58	52.0	8.9	✓
177	-59°	1055	8	28.7	-59	5.0	9.1	✓
178	-58°	1143	8	28.6	-58	48.2	7.7	✓
179	-58°	1133	8	24.9	-58	51.0	8.8	✓
180	-59°	1046	8	24.4	-59	8.1	8.5	✓
181	-59°	1044	8	23.8	-59	1.6	8.5	✓
182	-58°	1129	8	24.1	-58	56.0	9.2	✓
183	-58°	1128	8	24.1	-58	49.2	9.0	✓
184	-58°	1121	8	23.1	-58	49.6	9.2	✓
185	-58°	1120	8	23.0	-58	32.4	9.2	✓
186	-58°	1116	8	22.0	-58	42.6	9.2	✓ -58° 1115 ~~1106~~ 9.6 refupfund
187	-58°	1134	8	26.3	-58	13.8	9.0	✓
188	-57°	1535	8	25.8	-57	57.3	8.4	✓
189	-57°	1538	8	26.1	-57	44.1	8.7	✓

cards made out.

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1913phae.proj.21516

Monday, May 12, 1913.

B400 88 short disp.

No.	Int.	Class	Remark.
190	3	F0	
191	5	Q5-	
192	2	F0	
193	3	Bg	
194	1	K5	
195	3	Bg	
196	1	Q5-	
197	1	K0	
198	1	K5-	
199	4	K2	
200	5	Q0	
201	1	K2	
202	2	G0	
203	4	Q0	
204	1	K2	
205	1	K5-	
206	3	Q0	
207	1	K0	
208	4	Q3	
209	2	F8	
210	2	G0	
211	2	Q0	
212	3	Q0	
213	7	F2	
214	1	K2	
215	2	G0	
216	3	F0	

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1913phae.proj.21510

190	-57°	1532	8	25.1	-57	19.7	8.7 ✓
191	-57°	1534	8	25.7	-57	23.5	8.4 ✓
192	-57°	1537	8	26.1	-57	25.0	8.7 ✓
193	-56°	~~1574~~ 1674	8	26.9	-56	51.9	8.7 ✓
194	-57°	1546	8	27.3	-57	13.8	9.3 ✓
195	-57°	1554	8	28.3	-57	24.9	8.5 ✓
196	-57°	1561	8	29.3	-57	19.1	9.1 ✓
197	-57°	1564	8	29.6	-57	27.7	9.2 ✓
198	-57°	1568	8	30.1	-57	28.1	9.4 ✓
199	-57°	1573	8	30.5	-57	27.1	8.9 ✓
200	-56°	1710	8	30.3	-56	56.1	8.5 ✓
201	-57°	1581	8	31.4	-57	6.7	9.4 ✓
202	-57°	1589	8	31.9	-57	6.8	9.2 ✓
203	-56°	1714	8	30.9	-56	41.6	8.4 ✓
204	-56°	1718	8	31.2	-56	36.1	9.4 ✓
205	-56°	1721	8	31.5	-56	40.0	9.4 ✓
206	-56°	1731	8	32.4	-56	52.6	8.5 ✓
207	-57°	1570	8	30.4	-57	43.1	9.4 ✓
208	-58°	1149	8	29.9	-58	9.0	8.4 ✓
209	-58°	1142	8	28.5	-58°	21.2	9.1 ✓
210	-58°	1144	8	28.7	-58	34.0	9.0 ✓
211	-58°	1151	8	30.6	-58	42.2	9.2 ✓
212	-58°	1152	8	30.8	-58	35.6	9.2 ✓
213	-58°	1153	8	32.0	-58	21.8	7.8 ✓
214	-58°	1154	8	32.5	-58	11.5	9.2 ✓
215	-59°	1061	8	32.9	-59	6.6	9.2 ✓
216	-60°	1146	8	31.4	-60	5.6	8.5 ✓

cards made out.

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1913phae.proj.21510

Monday, May 12, 1913.

B 40088 short exp.

No.	Int.	Class	Remarks
217	5	F8	
218	2	A2.	
219	1	A2	
220	2	F2	
221	3	A0	
222	5	K5	E.
223	5	A0	
224	3	F0	
225	1	A	
226	1	K0	
227	4	K0	
228	1	A2	
229	6	B8	
230	2	B9	
231	2	A2	
232	2	B9	
233	2	B9	
234	6	B9	
235	3	F5	
236	2	A0	
237	1	A	
238	2	F0	
239	2	K0	
240	3	F0	
241	2	K5	
242	2	A3	
243	13	A ~~A0~~	Another star superposed ?
243a	2	A	superposed on 243.

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1913phae.proj.2151C

217	-59°	1060	8	32.7	-59	58.0	8.1	✓
218	-60°	1150	8	33.8	-60	1.8	8.8	✓
219	-59°	1066	8	34.1	-59	40.0	9.2	✓
220	-60°	1145	8	30.9	-60	25.7	8.9	✓
221	-60°	1139	8	28.7	-60	34.6	8.8	✓
222	-61°	1030	8	26.9	-61	27.2	8.8	✓
223	-61°	1045	8	32.0	-61	3.5	8.0	✓
224	-57°	1440	8	11.2	-57	23.2	8.8	✓
225	-57°	1444	8	11.8	-57	43.3	9.2	✓
226	-57°	1446	8	11.8	-57	59.0	9.4	✓
227	-57°	1447	8	12.0	-57	46.9	8.6	✓
228	-57°	1457	8	12.9	-57	14.2	9.0	✓
229	-56°	1569	8	13.3	-56	53.1	7.8	✓
230	-56°	1570	8	13.3	-56	44.5	8.8	✓
231	-56°	1575	8	14.5	-56	36.9	9.0	✓
232	-56°	1583	8	15.8	-56	34.1	9.1	✓
233	-56°	1590	8	16.3	-56	23.0	9.0	✓
234	-56°	1595	8	17.1	-56	27.7	8.0	✓
235	-56°	1588	8	16.1	-56	45.6	8.7	✓
236	-56°	1586	8	16.0	-56	50.2	9.0	✓
237	-56°	1585	8	15.9	-56	52.8	9.4	✓
238	-57°	1463	8	14.2	-57	14.3	9.0	✓
239	-57°	1462	8	14.2	-57	4.5	8.8	✓
240	-57°	1464	8	14.5	-57	5.9	8.6	✓
241	-57°	1469	8	14.8	-57	30.5	9.0	✓
242	-57°	1479	8	16.4	-57	23.9	9.2	✓
243	-57°	1484	8	17.2	-57	16.6	8.6	✓ double star?
243a	-57°	1483	8	17.2	-57	16.6	8.7	✓ cards made out.

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1913phae.proj.2151c

Monday, May 12, 1913.

P 408 88 short exps.

No	Int	Class	Remark.
244	2	Ao	
245	4	K5	
246	6	Ao	
247	5	K2	
248	2	K0	
249	1	A2	
Time: 1.05 250	3	K0	
May 13, 1913 Time: 10.02 251	2	K8	
252	4	B9	
253	2	G	E.
254	1	K5	
255	2	K2	
256	3	Ao	
257	4	K5	
258	3	Ao	
259	2	Ao	Partly superposed on 258
260	4	K8	
261	5	B9	
262	1	K5	
263	2	K8	
264	3	G0	
265	6	A2	
266	3	Ao	
267	1	A	
268	2	Ao	
269	2	G5	
270	6	B9	

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1913phae.proj.2151C

244	-57°	1486	8	17.7	-57	54.1	9.0	✓
245	-57°	1491	8	18.7	-57	43.0	8.7	✓
246	-57°	1496	8	20.0	-57	29.2	8.0	✓
247	-56°	1617	8	20.1	-56	44.0	8.4	✓
248	-56°	1604	8	18.0	-56	57.4	8.9	✓
249	-56°	1605	8	18.0	-56	48.0	9.3	✓
250	-56°	1609	8	18.5	-56	2.2	9.0	✓ 9.4 -56° 1608 superposed ∧
251	-56°	1596	8	17.2	-56	17.9	9.2	✓ -56° 1598 follows close to diag. able? Images 9.2.
252	-55°	1531	8	19.9	-55	36.1	8.7	✓ -56° 1597 superposed
253	-55°	1515	8	17.5	-55	32.8	9.4	✓
254	-55°	1538	8	21.2	-55	32.7	9.4	✓
255	-56°	1627	8	21.8	-56	34.7	8.9	✓
256	-56°	1628	8	21.9	-56	30.4	8.8	✓
257	-56°	1632	8	22.5	-56	21.2	8.6	✓
258	-56°	1636	8	22.8	-56	23.8	9.1	✓
259	-56°	1635	8	22.7	-56	24.0	9.2	✓
260	-57°	1511	8	22.3	-57	5.7	8.7	✓
261	-56°	1643	8	23.6	-56	53.5	8.3	✓
262	-56°	1652	8	24.2	-56	23.1	9.4	✓
263	-56°	1662	8	25.7	-56	37.1	9.1	✓
264	-56°	1667	8	26.5	-56	25.5	9.0	✓
265	-56°	1675	8	26.9	-56	30.5	8.4	✓
266	-56°	1678	8	27.4	-56	19.8	8.9	✓
267	-56°	1677	8	27.2	-56	10.7	9.4	✓
268	-56°	1668	8	26.5	-56	1.5	9.1	✓
269	-55°	1568	8	25.5	-55	32.9	9.2	✓
270	-55°	1563	8	25.3	-55	37.6	8.2	✓

cards made out.

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1913phae.proj.2151C

Tuesday, May 13, 1913.

B400 88 short disp.

No.	Int.	Class	Remark
271	4	F0	
272	2	A0	
273	1	K	
274	5	F0	
275	5	K5	
276	9	B8	
277	4	A2	
278	4	F0	
279	2	K5	
280	5	A0	E.
281	6	A0	E.
282	1	F0	
283	1	K	
284	2	A	
285	2	K0	
286	1	A2	
287	2	A0	
288	1	A	
289	1	A2	
290	1	F0	
291	2	F5	
292	2	F8	
293	1	K5	
294	1	A	
295	3	A2	
296	2	A	Nearly all superposed on 295.
297	2	K5	

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1913phae.proj.21510

271	-55°	1555	8	24.1	-55	50.9	8.7 ✓
272	-55°	1584	8	28.1	-55	35.5	8.7 ✓
273	-55°	1585	8	28.2	-55	34.7	9.0 ✓
274	-55°	1591	8	28.9	-55	56.9	8.7 ✓
275	-56°	1696	8	29.1	-56	12.5	8.6 ✓
276	-55°	1606	8	30.0	-55	58.2	7.4 ✓
277	-55°	1609	8	30.2	-55	49.5	8.5 ✓
278	-55°	1588	8	28.5	-55	22.5	8.7 ✓
279	-55°	1589	8	28.6	-55	22.8	8.9 ✓
280	-54°	1681	8	29.2	-54	59.1	7.6 ✓
281	-55°	1595	8	29.5	-55	2.7	7.7 ✓
282	-55°	1599	8	29.6	-55	26.9	9.0 ✓
283	-55°	1596	8	29.5	-55	32.4	8.9 ✓
284	-56°	1719	8	31.5	-56	9.5	9.1 ✓
285	-56°	1702	8	29.5	-56	58.0	9.0 ✓
286	-56°	1684	8	28.3	-56	52.2	9.4 ✓
287	-56°	1689	8	28.6	-56	38.5	9.2 ✓
288	-56°	1695	8	29.1	-56	34.6	9.3 ✓
289	-57°	1594	8	32.7	-57	48.1	9.3 ✓
290	-57°	1597	8	32.9	-57	48.8	9.4 ✓
291	-57°	1602	8	33.5	-57	47.0	9.0 ✓
292	-58°	1161	8	34.6	-58	2.5	9.0 ✓
293	-58°	1165	8	35.5	-58	27.2	9.3 ✓
294	-58°	1162	8	34.6	-58	43.9	9.2 ✓
295	-58°	1167	8	36.4	-58	25.1	8.6 ✓
296	-58°	1168	8	36.5	-58	26.2	8.8 ✓
297	-57°	1638	8	37.1	-57	57.3	9.0 ✓

cards made out.

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1913phae.proj.2151C

Tuesday, May 13, 1913.

B40088 slant ints.

Nr.	Int.	Class	Remarks
298	1	K0	
299	1	A	
300	2	A2	
301	2	K0	
302	3	K0	
303	2	A0	
304	3	K5	
305	3	A	Trans pos
306	3	A	" "
307	2	A	" "
308	4	K0	
309	4	K2	
310	5	B9	
311	3	A0	
312	1	K2	
313	3	F5	
314	2	A0	
315	1	K0	
316	2	F8	
317	4	K5	
318	1	A0	
319	6	F0	
320	1	K2	
321	1	A2	
322	2	K5	
323	3	F0	
324	2	K5	Another star superposed on pos. side.

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1913phae.proj.21510

298	-57°	1642	8	37.4	-57	55.9	9.2	✓
299	-57°	1643	8	37.6	-57	57.7	9.3	✓
300	-58°	1175	8	38.4	-58	21.0	8.8	✓
301	-59°	1084	8	38.7	-59	23.0	8.9	✓
302	-59°	1086	8	39.1	-59	24.5	8.8	✓
303	-60°	1160	8	36.7	-60	18.5	8.6	✓
304	-56°	1472	7	54.1	-56	8.7	8.6	✓
305	-57°	1343	7	51.0	-57	1.4	8.5	✓
306	-57°	1346	7	51.5	-57	14.7	8.4	✓
307	-57°	1349	7	52.6	-57	15.1	8.5	✓
308	-57°	1354	7	54.3	-57	5.8	8.0	✓
309	-57°	1371	7	58.3	-57	6.2	8.4	✓
310	-56°	1498	7	58.7	-56	36.1	8.0	✓
311	-56°	1494	7	58.3	-56	20.2	8.4	✓
312	-57.6°	1487	7	57.5	-56	35.1	9.0	✓
313	-56°	1505	8	0.3	-56	15.3	8.6	✓
314	-56°	1513	8	2.0	-56	19.9	8.8	✓
315	-56°	1515	8	2.4	-56	18.3	9.0	✓
316	-56°	1519	8	3.1	-56	21.6	8.8	✓
317	-56°	1526	8	4.5	-56	17.1	8.4	✓
318	-56°	1532	8	5.1	-56	27.1	9.0	✓
319	-56°	1533	8	5.2	-56	15.0	8.0	✓
320	-56°	~~1529~~ ~~1534~~	8	~~4.7~~ ~~5.0~~	-56	~~40.0~~ ~~45.2~~	~~10.0~~ ~~9.5~~	✓
321	-56°	1527	8	4.5	-56	51.8	9.0	✓
322	-55°	1481	8	8.7	-55	59.3	8.8	✓
323	-56°	1548	8	9.0	-56	3.2	8.6	✓
324	-55°	1477	8	8.4	-55	48.7	8.6	✓ 9.2 -55° 1479 superfound

Ends made out.

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1913phae.proj.2151C

Tuesday, May 13, 1913

T3 400 85 slit disp.

No.	Int	Class	Remark
325	7	Ao	
326	1	ly5	
327	1	Ma	
328	1	ly	
329	1	ly5	
330	1	F0	
331	3	Ao	
332	2	ly5	
333	1	A	
334	1	ly	
335	1	A2	
Time: 10.24	336	2	ly
	337		
	337	4	Ma

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1913phae.proj.2151C

325	−56°	1559	8	11.6	−56	22.4	7.5	✓
326	−56°	1561	8	12.2	−56	24.1	9.4	✓
327	−56°	1567	8	12.9	−56	20.1	9.4	✓
328	−56°	1568	8	13.3	−56	26.6	9.4	✓
329	−56°	1558	8	11.2	−56	51.7	9.0	✓
330	−57°	1412	8	6.9	−57	1.2	9.4	✓
331	−55°	1625	8	32.0	−55	37.1	8.9	✓
332	−55°	1643	8	34.4	−55	49.5	8.9	✓
333	−56°	1752	8	34.3	−56	3.1	9.2	✓
334	−56°	1744	8	33.8	−56	1.2	9.2	✓
335	−56°	1760	8	34.9	−56	20.7	9.2	✓
336	−56°	1781	8	37.2	−56	19.9	8.9	✓

Identified by J. C. M. Sept. 17, 1913
Checked by A.M.C. October 24. 1913
Cards made out by S.R.B.
Cards checked by A.M.C.

✓ 337 −62 1031

18m $13025

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1913phae.proj.2151C

B41151

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1913phae.proj.21510

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1913phae.proj.21510

Tuesday, May 13, 1913.

B4115 plate disp. (cont. fr. pg. 144)

No.	Int.	Class	Remarks
28	4	B9	
29	2	A	
30	4	A0	
31	5	B9	
32	5	K0	
33	5	B9	
34	2	A0	
35	2	A0	
36	2	K5	
37	2	A2	
38	1	K5	
39	2	A0	
40	5	B8	
41	4	B8	
42	2	A5	
43	4	K0	
44	2	K5	
45	4	A0	
46	4	F2	
47	1	K5	
48	3	A0	
49	8	B8	
50	2	B5	Another star superposed (Iff 15, shows Miss Cannon.)
51	2	A3	
52	1	Ma	
53	3	A0	
54	1	A	

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1913phae.proj.21510

28	-60°	1212	8	46.7	-60	9.3	8.4	✓
29	-59°	1154	8	48.1	-59	57.8	8.7	✓
30	-59°	1166	8	50.0	-59	21.8	7.9	✓
31	-59°	1156	8	48.3	-59	1.0	7.9	✓
32	-60°	1224	8	48.8	-60	53.9	8.0	✓
33	-60°	1226	8	49.1	-60	57.0	7.6	✓
34	-60°	1240	8	52.0	-60	19.0	8.7	✓
35	-60°	1257	8	53.8	-60	21.5	8.4	✓
36	-59°	1189	8	53.4	-59	59.5	8.5	✓
37	-59°	1181	8	51.8	-59	4.5	8.6	✓
38	-58°	1292	8	52.9	-58	56.7	8.7	✓
39	-59°	1194	8	53.8	-59	2.4	8.3	✓
40	-59°	1207	8	55.6	-59	15.1	7.6	✓
41	-58°	1319	8	55.2	-58	42.5	7.9	✓
42	-58°	1328	8	56.4	-58	59.3	8.4	✓
43	-58°	1326	8	56.3	-58	15.2	8.5	✓
44	-58°	1336	8	57.0	-58	10.8	8.6	✓
45	-57°	1822	8	56.9	-57	46.4	8.0	✓
46	-57°	1763	8	48.7	-57	53.7	8.2	✓
47	-58°	1258	8	49.7	-58	2.7	8.8	✓
48	-58°	1285	8	52.1	-58	12.7	8.3	✓
49	-57°	1790	8	51.8	-57	45.7	7.1	✓
50	-58°	1306	8	54.1	-58	6.2	8.0	✓ 9.2 magn. -58° 1307 superposed
51	-57°	1824	8	57.2	-57	26.9	8.6	✓
52	-57°	1825	8	57.6	-57	25.6	8.8	✓
53	-56°	1972	8	58.4	-56	52.2	8.6	✓
54	-57°	1837	8	59.0	-57	17.0	8.8	✓

Cards made out

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1913phae.proj.2151c

Thursday, May 13, 1913.
B4115 short exp.

No.	Int.	Class	Remarks
55	1	Ir5	
56	1	Ir0	
57	4	B8	
58	4	A5	
59	2	A3	
60	2	Ly5	
61	4	A3	
62	1	Ir5	
63	3	F2	
64	6	B9	
65	3	Ir2	
66	2	F8	
67	2	A0	
68	1	F8	
69	1	Ly5	
70	1	A2	
71	1	Ir2	
72	4	A0	
73	4	A0	
74	2	Ir2	
75	1	Ir2	
76	6	A2	
77	5	A0	
78	5	A2	
79	8	Ly5	
80	1	A	
81	3	F.	

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1913phae.proj.21510

		1841		59.7		54.0	8.8	
55	-57°	~~1844~~	8	~~59.8~~	-57	~~55.7~~	~~9.6~~	✓
56	-58°	1371	8 9	1.3	-58	19.0	9.0	✓
57	-58°	1370	8 9	1.2	-58	39.5	8.2	✓
58	-58°	1379	9	2.2	-58	25.6	8.3	✓
59	-58°	1376	9	1.8	-58	16.0	8.6	✓
		.5		.1		34.0	8.6	
60	-58°	1386	9	~~3.2~~	-58	~~42.2~~	~~7.6~~	✓
61	-59°	1260	9	2.6	-59	1.0	8.0	✓
62	-59°	1262	9	3.0	-59	2.4	9.1	✓
63	-59°	1289	9	5.9	-59	3.0	8.3	✓
64	-59°	1272	9	3.8	-59	45.5	7.4	✓
65	-60°	1305	9	1.3	-60	4.2	8.6	✓
66	-60°	1304	9	1.1	-60	31.3	8.4	✓
67	-60°	1287	8	58.3	-60	23.8	8.1	✓
68	-59°	1247	9 ~~8~~	0.9	-59	32.4	8.7	✓
69	-59°	1224	8	57.6	-59	26.8	8.7	✓
70	-58°	1349	8	58.5	-58	53.4	8.9	✓
71	-59°	1192	8	53.7	-59	50.5	8.9	✓
72	-61°	1128	8	54.5	-61	4.8	8.0	✓
73	-60°	1320	9	5.1	-60	14.6	8.0	✓
74	-59°	1296	9	6.7	-59	59.6	8.4	✓
75	-60°	1334	9	7.1	-60	10.1	8.8	✓
76	-60°	1339	9	8.0	-60	26.4	7.4	✓
77	-59°	1307	9	8.7	-59	47.3	7.6	✓
78	-59°	1303	9	7.7	-59	21.6	7.6	✓
79	-58°	1432	9	9.6	-58	53.9	6.8	✓
80	-58°	1420	9	7.8	-58	42.0	8.8	✓
81	-57°	1648	8	38.1	-57	1.9	8.5	✓

Cards made out.

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1913phae.proj.21510

Tuesday, May 13, 1913.

B 4115 / dust disp.

No	Int	Class	Remarks
82	2	F0	
83	1	K2	
84	3	Kp0	
85	1	K0	
86	1	A0p	
87	2	A2	
88	3	F2	
89	3	G5	
90	2	K0	
91	1	Ma	
92	1	G5	
93	1	K5	
94	2	B9	
95	1	A	
96	1	A	
97	2	B9	
98	1	A	
99	3	B9	Star of same class superposed on per. side
100	2	K2	
101	1	K2	
102	3	F2	
103	3	B5	
104	2	B8	
105	1	A	
106	3	A2	
107	1	A	
108	2	K0	

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1913phae.proj.21510

82	-56°	1816	8	39.6	-56	45.1	8.6	✓
83	-57°	1656	8	39.7	-57	7.7	9.1	✓
84	-57°	1678	8	41.3	-57	18.9	8.4	✓
85	-57°	1690	8	42.4	-57	11.5	8.9	✓
86	-57°	1697	8	42.8	-57	17.1	8.9	✓
87	-57°	1714	8	44.3	-57	12.0	8.8	✓
88	-57°	~~1690~~ 1725	8	~~42.4~~ 45.1	-57	11.5 8	8.9 5	✓
89	-57°	1736	8	46.1	-57	12.6	8.4	✓
90	-56°	1892	8	45.8	-56	46.1	8.9	✓
91	-57°	1732	8	45.6	-57	1.5	8.9	✓
92	-57°	1734	8	46.0	-57	7.3	8.8	✓
93	-57°	1753	8	47.9	-57	17.9	8.9	✓
94	-56°	1909	8	47.9	-56	36.4	8.5	✓
95	-57°	1777	8	50.2	-57	16.6	8.6	✓
96	-57°	1787	8	51.7	-57	17.0	8.6	✓
97	-56°	1942	8	53.9	-56	16.5	8.4	✓
98	-56°	1943	8	54.0	-56	21.0	8.6	✓
99	-56°	1948	8	54.8	-56	51.1	8.2	✓ -56° 1946 superposed. Mag. 8.6
100	-56°	1949	8	55.5	-56	59.2	8.6	✓
101	-56°	1963	8	57.0	-56	58.4	8.8	✓
102	-56°	1962	8	56.9	-56	48.6	8.4	✓
103	-56°	1968	8	57.2	-56	37.1	8.2	✓
104	-55°	1898	8	57.5	-55	59.2	8.4	✓
105	-55°	1881	8	56.0	-55	52.8	8.8	✓
106	-55°	1913	8	59.4	-55	40.8	8.4	✓
107	-56°	1987	9	0.0	-56	7.9	8.8	✓
108	-56°	1997	9	1.4	-56	13.8	8.6	✓

cards made out

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1913phae.proj.2151t

Tuesday, May 13, 1913.

B 4151 short disp.

No.	Int	Class	Remark
109	4	F8	
110	3	A0	
111	3	A0	
112	2	A0	
113	4	A3	
114	8	B9	
115	5	B9	
116	3	B9	
117	1	G5	
118	2	F8	
119	3	F5	
120	3	B9	
121	4	A0	
122	2	K0	
123	3	F0	
124	1	F8	
125	2	F0	
126	4	A5	
127	3	F0	
128	3	K0	
129	3	A2	
130	2	K0	
131	3	F0	
132	2	A0	
133	4	A2	
134	6	G5	
135	2	A0	E.

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1913phae.proj.21510

109	-57°	1886	9	4.8	-57	3.0	8.4 ✓
110	-56°	2017	9	4.6	-56	53.2	8.4 ✓
111	-56°	2028	9	5.8	-56	41.2	8.4 ✓
112	-56°	2036	9	7.6	-56	38.3	8.2 ✓
113	-57°	1909	9	7.5	-57	9.2	8.2 ✓
114	-57°	1914	9	8.1	-57	27.2	6.8 ✓
115	-57°	1913	9	8.1	-57	6.4	7.6 ✓
116	-57°	1912	9	7.8	-57	49.1	8.0 ✓
117	-57°	1892	9	5.4	-57	48.9	8.6 ✓
118	-57°	1878	9	4.1	-57	55.2	8.6 ✓
119	-58°	1389	9	3.8	-58	9.2	8.3 ✓
120	-58°	1422	9	8.5	-58	10.5	8.2 ✓
121	-58°	1423	9	8.5	-58	16.8	7.9 ✓
122	-59°	1315	9	10.2	-59	39.9	8.3 ✓
123	-59°	1321	9	11.2	-59	26.9	8.4 ✓
124	-56°	1781	8	37.2	-56	19.9	8.9 ✓
125	-55°	1693	8	39.5	-55	54.0	8.7 ✓
126	-56°	1829	8	40.8	-56	11.3	8.4 ✓
127	-55°	1706	8	40.8	-55	19.1	8.4 ✓
128	-55°	1730	8	42.6	-55	39.3	8.4 ✓
129	-55°	1758	8	44.3	-55	55.2	8.2 ✓
130	-56°	1877	8	44.8	-56	13.8	8.7 ✓
131	-55°	1788 ~~1888~~	8	46.2	-55	41.6	8.4 ✓
132	-54°	1849	8	46.2	-54	44.1	8.5 ✓
133	-54°	1855	8	46.6	-54	36.7	8.2 ✓
134	-54°	1806	8	42.5	-54	30.1	7.9 ✓
135	-54°	1877	8	48.0	-54	12.9	8.5 ✓

Cards made out.

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1913phae.proj.2151c

Tuesday, May 13, 1913.
B 4115 Spectrographic.

No	Int.	Class	Remark
136	2	Ao	E.
137	1	A	E.
138	4	Ao	E.
139	5	F8	E.
140	3	Fo	E
141	6	Ao	E.
142	5	Fo	E.
143	5	Ao	E.
144	3	K0	
145	3	B9	
146	2	A	
147	2	K0	
148	2	A2	Another star superposed on fol. side.
149	2	A3	
150	2	Ao	
151	2	Fo	
152	3	F2	
153	3	Ao	
154	2	G5	
155	3	B9	
156	6	Ao	
157	1	A	
158	2	A	
159	1	K5	
160	2	K6	
161	3	Ao	
162	5	Ao	

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1913phae.proj.21510

136	-54 4.0	1883	8	48.5	-54 4	20.7	8.4	✓
137	-54 4.0	1894	8	49.3	-54 4	13.6	8.6	✓
138	-54 4.0	1907	8	50.1	-54 4	37.9	8.2	✓
139	-54 4.0	1922	8	51.5	-54 4	13.4	7.6	✓
140	-54 4.0	1943	8	54.1	-54 4	25.9	8.5	✓
141	-54 4.0	1952	8	55.3	-54 4	8.9	7.9	✓
142	-53°	2032	8	56.1	-53	44.9	8.0	✓
143	-53°	2050	8	57.0	-53	52.4	7.6	✓
144	-55°	1853	8	52.7	-55	3.0	8.6	✓ 8.6 magn. -55° 1852 superposed
145	-55°	1855	8	52.8	-55	28.5	8.4	✓
146	-55°	1858	8	53.8	-55	48.1	8.8	✓
147	-55°	1827	8	49.4	-55	31.1	8.6	✓
148	-55°	1819	8	49.0	-55	33.3	8.6	✓ 8.6 -55° 1822 superposed
149	-55°	1830	8	49.8	-55	55.9	8.6	✓
150	-55°	1750	8	43.5	-55	15.8	8.8	✓
151	-55°	1886	8	56.5	-55	13.2	8.6	✓
152	-55°	1889	8	56.8	-55	5.8	8.5	✓
153	-55°	1900	8	58.0	-55	9.4	8.4	✓
154	-55°	1911	8	59.2	-55	7.0	8.5	✓
155	-54°	1987	8	59.3	-54	56.1	8.2	✓
156	-54°	1982	8	58.8	-54	32.2	7.9	✓
157	-54°	1992	8	59.8	-54	39.4	8.8	✓
158	-54°	2002	9	0.7	-54	25.7	8.5	✓
159	-54°	2011	9	1.5	-54	44.5	8.7	✓
160	-54°	2018	9	2.3	-54	31.7	8.6	✓
161	-54°	2019	9	2.4	-54	24.1	8.4	✓
162	-54°	2040	9	4.2	-54	49.2	8.0	✓

cards made outs.

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1913phae.proj.21510

Tuesday, May 13, 1913.

B 41151 short disp.

	No.	Int.	Class	Remark.
	163	4	Ao	
	164	3	Bg	
	165	2	Bg	
11.09	166	1	Fo	
	167			
	168			

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1913phae.proj.21516

163	-54°	2045	9	4.5	-54	35.6	8.2 ✓
164	-55°	1937	9	1.7	-55	32.1	8.4 ✓
165	-55°	1945	9	2.2	-55	14.3	8.4 ✓
166	-54°	2015	9	1.9	-54	59.0	8.6 ✓

Identified by J.C.M. Sept. 6, 1913
Checked by A.J.C. October 25, 1913
Cards made out by G.R.B.
Cards checked by A.J.C. November 14, 1913

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1913phae.proj.21516

Tuesday, May 13, 1913.

Time: 11.16 B13025 short disp. 8 20 -62.4

No.	Int.	Class	Remark
1	10+	A?	Burns out.
2	2	G5	
3	2	A2	
4	8	B8	
5	5	B9	
6	3	A0	
7	1	F	
8	1	G	
9	1	F5	
10	2	G5	
11	2	G0	
12	8	G0	
13	2	G5	
14	3	G2	
15	2	F0	
16	2	A2	
17	5	A5	
18	2	G5	Perhaps Mag.
19	7	B8	
20	4	A2	
21	2	B8	Lines indistinct.
22	2	K2	
23	4	K5	
24	7	B9	
25	4	A3	
26	2	A0	
27	1	K5	

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1913phae.proj.21516

1	-62°	985	8	13.4	-62	31.8	6.0	✓
2	-62°	967	8	8.9	-62	31.6	8.5	✓
3	-63°	915	8	13.0	-63	57.1	8.5	✓
4	-63°	922	8	15.2	-63	47.9	6.8	✓
5	-64°	843	8	15.2	-64	0.9	7.7	✓
6	-64°	842	8	14.7	-64	7.2	8.5	✓
7	-63°	905	8	9.0	-63	40.4	8.6	✓
8	-63°	901	8	7.8	-63	57.3	8.9	✓
9	-64°	832	8	9.7	-64	8.0	8.7	✓
10	-63°	936	8	18.8	-63	36.6	8.8	✓
11	-63°	938	8	19.0	-63	40.3	8.5	✓
12	-63°	940	8	19.4	-63	42.4	7.5	✓
13	-63°	952	8	21.2	-63	20.2	8.9	✓
14	-63°	932	8	18.4	-63	6.4	8.5	✓
15	-62°	992	8	15.5	-62	28.4	8.6	✓
16	-64°	852	8	18.1	-64	24.7	8.5	✓
17	-62°	1030	8	27.4	-62	57.4	8.1	✓
18	-62°	1031	8	28.4	-62	39.3	8.8	✓
19	-61°	1037	8	29.4	-61	54.9	7.4	✓
20	-61°	1050	8	34.2	-61	31.5	8.0	✓
21	-62°	1060	8	35.4	-62	5.3	8.4	✓
22	-62°	1066	8	37.4	-62	5.0	8.8	✓
23	-62°	1063	8	36.2	-62	24.0	8.8	✓
24	-62°	1038	8	95.1	-62	24.8	7.2	
24	-61°	1067	8	41.0	-61	17.0	6.9	
25	-61°	1059	8	38.3	-61	15.1	8.2	✓
26	-62°	1046	8	32.0	-62	29.6	8.5	✓
27	-63°	1042	8	33.2	-63	6.5	8.8	✓

cards made out

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1913phae.proj.21510

Tuesday May 13, 1913

B13025 short disp.

No.	Int.	Class	Remark
28	3	K2	
29	5	B3	
30	4	A2	
31	3	F5	
32	1	G5	
33	4	K0	
34	3	K0	
35	5	A0	
36	3	A2	
37	2	A2	
Time 11.30 38	1	K0	
39			
40			
41			
42			
43			
39	6	K0	
40	2	A0	

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1913phae.proj.21510

28	-63°	991	8	31.3	-63	24.9	8.5 ✓
29	-63°	1012	8	34.8	-63	11.4	7.5 ✓
30	-62°	1072	8	38.3	-62	44.4	7.8 ✓
31	-62°	1086	8	42.1	-62	4.2	8.5 ✓
32	-62°	1089	8	42.7	-62	33.9	8.8 ✓
33	-62°	1063 (95)	8	~~36.2~~ 44.4	-62	~~24.0~~ 43.8	~~8.8~~ 8.1 ✓
34	-62°	1105	8	47.3	-62	43.0	7.8 ✓
35	-63°	1038	8	45.0	-63	21.0	7.6 ✓
36	-63°	1033	8	43.5	-63	26.2	8.1 ✓
37	-63°	1035	8	44.2	-63	7.0	8.4 ✓
38	-62°	1102	8	46.0	-62	58.0	8.8 ✓

Identified by M. C. W. Aug. 5, 1913.
Checked by AMC. Aug. 6. 1913
cards made out by M. C. W.
Cards checked by AMC.

39	-60°	1068	8	6	4.5	-60	42.6	7.6
40	-60°	1071	8	6	20.7	-60	26.0	8.8

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1913phae.proj.21510

Tuesday, May 13, 1913.

Time: 11.31 — B1302b short disp. — 8 51 – 62.1

No.	Int	Class	Remark
1	3	Ao	
2	5	Fz	
3	3	A2	
4	6	Ao	
5	2	Ao	
6	8	F3g	
7	1	A	
8	4	F38	
9	9	Ao	
10	3	Ao	
11	3	Fo	
12	2	Ao	
13	2	K2	
14	2	Ao	
15	3	Ao	
16	21	K5	
17	1	K2	
18	7	Fo	
19	5	F8	
20	4	K5	
21	1	K5	
22	3	Ao	
23	2	F	
24	9	Ao	
25	5	Ao	
26	6	F8	
11.37 27	B4	Ao	

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1913phae.proj.21510

1	−61°	1092	8	47.1	−61	8.6	8.4 ✓
2	−62°	1104	8	47.2	−62	2.5	8.0 ✓
3	−62°	1109	8	47.9	−62	16.4	8.5 ✓
4	−62°	1120	8	50.1	−62	23.2	7.8 ✓
5	−62°	1127	8	52.7	−62	25.3	8.6 ✓
6	−62°	1138	8	54.2	−62	34.0	7.6 ✓
7	−62°	1141	8	55.0	−62	24.8	8.6 ✓
8	−62°	1148	8	57.6	−62	30.2	7.9 ✓
9	−62°	1145	8	56.9	−62	58.7	6.8 ✓
10	−63°	1072	8	55.0	−63	0.9	8.1 ✓
11	−62°	1136	8	53.9	−62	59.0	8.3 ✓
12	−63°	1067	8	53.6	−63	17.4	8.4 ✓
13	−63°	1056	8	50.2	−63	8.0	8.6 ✓
14	−63°	1055	8	50.1	−63	5.2	8.8 ✓
15	−61°	1142	8	56.4	−61	44.6	8.7 ✓
16	−61°	1126	8	56.6	−61	22.8	8.6 ✓
17	−61°	1125	8	53.7	−61	23.8	8.9 ✓
18	−61°	1167	9	0.5	−61	51.4	8.1 ✓
19	−61°	1172	9	2.5	−61	36.1 ~~19.6~~	8.3 ✓
20	−61°	1172	9	2.5	−61	19.6	8.3 ✓
21	−61°	1182	9	4.2	−61	15.7	8.8 ✓
22	−61°	1191	9	6.3	−61	25.7	8.5 ✓
23	−60°	1318	9	4.8	−60	40.2	8.5 ✓
24	−60°	1354	9	9.8	−60	24.1 ~~24.2~~	8.4 ~~8.4~~ ✓
25	−60°	1367	9	11.0	−60	1.1	7.5 ✓
26	−60°	1366	9	10.8	−60	45.7	7.2 ✓
27	−60°	1361	9	10.6	−60	42.4	8.0 ✓

Identified by J.C.M Jan. 20, 1914 Cards made out by S.R.B.
Checked by A.M.C. Jan. 27, 1914 Cards checked by A.M.C

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1913phae.proj.2151C

Nov. Int.
28

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1913phae.proj..2151C

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1913phae.proj.2151c

Saturday, October 4, 1913

Time 11.02 B 18977 short disp

G.M.T.	No.	Int.	Class	Remark
	1	3	F0	Partly superposed on 2
	2	7	A3	
	3	1	F8	
	4	2	G5	
	5	2	A0	Partly superposed on 4
	6	5	F2	
	7	2	G0	
	8	1	K	
	9	4	A0	
	10	2	F2	
	11	6	A0	
	12	2	K5	
	13	6	F5	Another star superposed at south.
	14	2	A5	Partly superposed on 15
	15	3	K5	
	16	9	A0	
	17	5	F2	
	18	4	A0	
	19	3	A0	
	20	4	A5	
	21	7	A0	
	22	2	K5	
	23	5	A0	
	24	5	G5	
	25	1	K0	
	26	1	A5	
	27	1	K0	
	28	1	G0	

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1913phae.proj.2151c

1	−19°	2673	q	11.7	−19	45.2	9.0	∧ ∨
2	−19°	2674	q	11.8	−19	45.2	8.0	∧ ∨
3	−19°	2676	q	12.5	−19	49.7	9.0	∧ ∨
4	−20°	2856	q	12.3	−20	10.7	8.5	∧ ∨
5	−20°	2855	q	12.2	−20	13.6	9.3	∧ ∨
6	−20°	2868	q	14.3	−20	22.1	8.3	∧ ∨
7	−20°	2861	q	13.7	−20	44.9	8.8	∧ ∨
8	−20°	2858	q	13.0	−20	7.3	9.3	∧ ∨
9	−20°	2853	q	11.9	−20	59.4	8.7	∧ ∨
10	−21°	2751	q	11.2	−21	9.7	8.5	∧ ∨
11	−21°	2745	q	10.3	−21	21.0	7.3	∧ ∨
12	−20°	2835	q	9.3	−20	55.1	7.5	∧ ∨
13	−20°	2836	q	9.6	−20	35.6	7.7	∧ ∨
14	−20°	2844	q	10.7	−20	37.4	9.0	∧ ∨
15	−20°	2845	q	10.8	−20	43.7	7.7	∧ ∨
16	−21°	2756	q	12.6	−21	56.8	7.5	∧ ∨
17	−22°	2558	q	11.6	−22	3.6	8.0	∧ ∨
18	−22°	2557	q	11.5	−22	22.7	8.3	∧ ∨
19	−22°	2556	q	11.2	−22	19.1	8.5	∧ ∨
20	−22°	2550	q	9.8	−22	31.7	7.7	∧ ∨
21	−22°	2544	q	9.1	−22	53.6	7.0	∧ ∨
22	−22°	2542	q	8.4	−22	11.9	7.7	∧ ∨
23	−21°	2735	q	8.3	−21	41.1	8.2	∧ ∨
24	−22°	2530	q	7.3	−22	16.1	7.0	∧ ∨
25	−21°	2733	q	7.6	−21	10.7	8.9	∧ ∨
26	−21°	2725	q	6.3	−21	13.7	9.0	∧ ∨
27	−21°	2731	q	7.4	−21	28.7	8.7	∧ ∨

magn. 9.0
∧ ∨ ∧ ∨ −20° 2837 Pupeln.

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1913phae.proj.21516

Saturday, October 4, 1913

B 18977 short disp.

No.	Int.	Class	Remark
28	1	G_0	
29	1	F_8	
30	1	K_5	
31	4	F_8	
32	3	A_2	
33	4	A_0	
34	4	F_8	
35	7	F_0	
36	2	G_5	
37	3	G_5	
38	2	A_3	
39	5	K_0	
40	7	A_0	
41	7	A_5	
42	6	F_2	
43	3	K_2	
44	8	A_0	
45	1	Ma	
46	2	K_0	
47	3	K_2	
48	1	G_5	
49	2	A_3	
50	2	F_8	
11·13	51	1	F_5
	52		
	53		
	52	2	K_0

cmh. 135, 1 dr

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1913phaa..proj..21510

28	-20°	2808	q	3.4	-20	8.1	9.0 ∧ v
29	-21°	2715	q	4.3	-21	8.8	9.0 ∧ v
30	-23°	8175	q	9.1	-23	26.0	8.5 ∧ v
31	-23°	8245	q	13.2	-23	56.0	7.9 ∧ v
32	-23°	8258	q	13.4	-23	13.1	9.1 ∧ v
33	-22°	2569	q	12.8	-22	47.5	7.9 ∧ v
34	-22°	2572	q	13.4	-22	21.1	8.5 ∧ v
35	-22°	2574	q	13.7	-22	51.7 ~~21.1~~	7.5 ~~8.5~~ ∧ v
36	-22°	2575	q	13.9	-22	47.7	8.3 ∧ v
37	-23°	8288	q	15.8	-23	15.2	8.6 ∧ v
38	-23°	8274	q	14.7	-23	26.0	9.0 ∧ v
39	-23°	8283	q	15.2	-23	34.6	7.9 ∧ v
40	-23°	8296	q	16.3	-23	36.1	8.4 ∧ v
41	-24°	7976	q	15.8	-24	16.8	7.9 ∧ v
42	-23°	8331	q	18.2	-23	7.0	7.6 ∧ v
43	-23°	8347	q	19.2	-23	17.1	7.6 ∧ v
44	-21°	2782	q	16.9	-21	11.9	8.0 ∧ v
45	-21°	2780	q	16.5	-21	19.3	8.7 ∧ v
46	-21°	2781	q	16.8	-21	36.7	8.5 ∧ v
47	-21°	2774	q	15.9	-21	54.0	8.2 ∧ v
48	-21°	2772	q	15.7	-21	59.2	8.8 ∧ v
49	-20°	2879	q	15.9	-20	33.2	9.0 ∧ v
50	-22°	2589	q	16.0	-22	23.5	8.5 ∧ v
51	-22°	2587	q	15.8	-22	43.0	8.7 ∧ v

Identified by Anc. Feb. 12, 1914
Checked March 18, 1914 ADW
Cards made out by E. C. S.
Cards checked by E. R. B.

-52 -22 2599 q 18.8 -22 6 8.8

B 1343

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1913phae.proj.21511

Saturday, October 4, 1913

B 13323 short disp

Time 11 1/5	No.	Int.	Class.	Remarks
G.M.T.	1	1	G_5	
	2	3	A_0	
	3	3	A_0	
	4	2	G_0	
	5	10	K_0	
	6	5	K_0	
	7	1	K_5	
	8	1	K	
	9	2	K_5	
	10	8	A_0	
	11	3	K_0	
	12	6	K_0	
	13	2	K_0	
	14	3	A_0	
	15	6	A_2	
	16	1	K_2	
	17	5	F_5	
	18	10	B9	
	19	5	K_0	
	20	4	A_0	
	21	2	F_5	
	22	5	K_2	
	23	4	K_2	
	24	5	B9	
	25	2	A_5	
	26	2	G_5	
	27	7	A_3	

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1913phae.proj.21510

1	−20°	2900	9	18.7	−20	28.7	8.5	✓
2	−21°	2794	9	19.5	−21	29.8	8.7	✓
3	−21°	2797	9	19.9	−21	17.4	8.6	✓
4	−21°	2800	9	20.3	−21	20.9	8.5	✓
5	−21°	2802	9	20.7	−21	42.3	4.7	✓
6	−21°	2807	9	21.3	−21	53.9	7.3	✓
7	−22°	2607	9	19.2	−22	11.5	8.2	✓
8	−22°	2599	9	18.0	−22	6.0	8.8	✓
9	−22°	2598	9	17.9	−22	17.5	8.7	✓ 9.0 −22° 2597 superposed
10	−23°	8373	9	21.0	−23	37.6	6.8	✓
11	−23°	8402	9	22.3	−23	8.3	7.8	✓
12	−22°	2623	9	23.3	−22	42.6	6.5	✓
13	−22°	2627	9	24.2	−22	52.4	8.0	✓
14	−23°	8449 (51)	9	25.2 (3)	−23	8.4 (5.3)	9.1 (8.7)	✓
15	−22°	2629	9	24.9	−22	52.3	7.3	✓
16	−22°	2632	9	25.3	−22	41.2	8.0	✓
17	−21°	2841	9	26.3	−21	52.7	8.0	✓
18	−22°	2645	9	26.8	−22	13.0	6.1	✓
19	−22°	2658	9	28.8	−22	2.2	7.5	✓
20	−23°	8487	9	27.3	−23	14.8	8.3	✓
21	−23°	8411	9	22.9	−23	53.1	8.4	✓
22	−23°	8441	9	24.6	−23	44.0	7.0	✓
23	−23°	8457	9	~~47.3~~ 25.7	−23	47.3	7.3	✓
24	−24°	8175	9	25.5	−24	17.5	8.0	✓
25	−24°	8158	9	24.7	−24	28.8	8.4	✓
26	−24°	8173	9	25.5	−24	33.8	8.3	✓
27	−25°	7258	9	25.1	−25	3.9	7.5	✓

23

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Saturday, October 4, 1913

B 13323 short disp.

No.	Int.	Class	Remark
28	4	K0	
29	3	F2	
30	7	A3	
31	2	F5	
33	7	B9	
33	1	G5	
34	1	K0	
35	4	A2	
36	6	A2	
37	7	G5	
38	8	K0	
39	3	F8	
40	3	G5	
41	6	A3	
42	1	G0	
43	2	G0	
44	2	A0	
45	8	F2	
46	8	K0	
47	1	G5	Partly superposed on 46.
48	4	B8	
49	5	B9	
50	4	F0	
51	7	B9	
52	2	F5	
53	1	K0	
54	4	K0	

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1913phae.proj.21510

28	−24°	8145	9	24.2	−24	58.8	7.7	✓
29	−25°	7237	9	23.6	−25	6.4	8.6	✓
30	−24°	8115	9	23.1	−24	53.7	7.3	✓
31	−24°	8076	9	20.7	−24	33.5	8.3	✓
32	−24°	8060	9	20.0	−24	48.5	7.1	✓
33	−24°	8040	9	18.9	−24	52.8	8.4	✓
34	−24°	8028	9	18.3	−24	5.7	8.4	✓
35	−25°	7224	9	22.9	−25	45.1	8.3	✓
36	−25°	7226	9	23.1	−25	48.6	8.2	✓
37	−26°	7114	9	24.2	−26	2.9	7.2	✓
38	−26°	7117	9	24.4	−26	2.7	6.0	✓
39	−25°	7284	9	27.0	−25	52.3	8.0	✓
40	−24°	8226	9	29.1	−24	35.1	8.2	✓
41	−23°	8517	9	28.8	−23	59.3	7.6	✓
42	−23°	8490	9	27.6	−23	35.3	8.8	✓
43	−23°	8529	9	29.6	−23	17.0	8.6	✓
44	−24°	8247	9	30.2	−24	17.1	8.9	✓
45	−24°	8263	9	30.9	−24	9.3	6.8	✓
46	−24°	8272	9	31.4	−24	44.3	6.4	✓
47	−24°	8273	9	31.4	−24	39.5	8.8	✓
48	−23°	8619	9	35.3	−23	34.9	8.3	✓
49	−23°	8639	9	36.3	−23	42.2	8.5	✓
50	−23°	8641	9	36.4	−23	8.0	8.3	✓
51	−22°	2673	9	32.5	−22	26.6	7.3	✓
52	−22°	2671	9	32.3	−22	18.5	8.8	✓
53	−21°	2861	9	29.9	−21	47.0	8.5	✓
54	−20°	2981	9	33.9	−20	55.2	7.7	✓

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1913phae.proj.21511

Saturday, October 4, 1913

B13323 short disp.

No.	Int.	Class	Remark
55	2	F5	
56	5	F8	
57	7	B9	
58	8	K0	
59	4	A5	
60	3	G5	
61	4	F2	
62	5	F2	
63	2	G5	
64	7	G5	
65	4	K0	
66	4	G5	
67	7	A0	
68	5	K0	
69			
70			
71			
72			
73			
74			
75			
76			

cont. in 134, 124

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1913phae.proj.21510

55	-21°	2882	9	34.8	-21	8.0	8.2	✓
56	-20°	2992	9	35.7	-20	28.3	7.7	✓
57	-20°	3000	9	37.0	-20	29.8	8.2	✓
58	-19°	2795	9	36.8	-19	42.1	7.0	✓
59	-19°	2809	9	38.6	-19	40.5	8.2	✓
60	-20°	3009	9	38.5	-20	0.3	8.2	✓
61	-21°	2889	9	36.5	-21	39.7	7.8	✓
62	-22°	2693	9	36.2	-22	18.1	7.8	✓
63	-22°	2698	9	37.2	-22	6.7	8.4	✓
64	-22°	2705	9	37.9	-22	5.0	6.8	✓
65	-22°	2706	9	38.0	-22	41.6	7.7	✓
66	-22°	2707	9	38.0	-22	55.0	7.8	✓
67	-22°	2708	9	38.3	-22	49.1	8.0	✓
68	-21°	2904	9	39.6	-21	58.6	7.8	✓

Identified by J C M Jan. 20, 1914
Checked by AMC. Jan. 24, 1914
Cards made out by G. R. B.
Cards checked by AMC.

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1913phae.proj.21510

Saturday October 4, 1913

B 13145 short disp.

	No.	Int.	Class	Remark.
G.T.M.	1	1	K_0	E.
	2	1	K_0	E.
	3	2	K_0	
	4	3	F_8	
	5	3	K_0	
	6	3	F_5	
	7	2	F_5	
	8	8	A_0	
	9	1	A_5	
	10	3	G_0	
	11	2	K_0	
	12	5	F_2	
	13	6	K_0	
	14	1	K_0	
	15	2	K_0	
	16	2	K_2	
	17	4	K_0	
	18	4	G_5	
	19	1	K_0	
	20	1	K_0	
	21	5	A_0	
	22	3	A_5	
	23	5	G_0	
	24	3	A_2	
	25	4	F_0	
	26	7	A_0	
	27	1	F_5	Focus poor

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1913phae.proj.21510

1	−19°	2786	9	35.1	−19	30.7	8.5	✓
2	−19°	2785	9	35.0	−19	41.9	8.6	✓
3	−19°	2790	9	35.6	−19	49.0	8.5	✓
4	−18°	2767	9	37.3	−18	52.0	8.5	✓
5	−18°	2770	9	38.0	−18	47.2	7.8	✓
6	−18°	2772	9	~~39.0~~ 38.9	−18	~~2.1~~ 55.0	8.9	✓
7	−19°	2811	9	38.9	−19	1.8	8.8	✓
8	−19°	2813	9	39.3	−19	3.5	7.0	✓
9	−19°	2814	9	39.4	−19	46.9	9.1	✓
10	−19°	2821	9	40.2	−19	42.4	8.5	✓
11	−19°	2830	9	41.7	−19	17.1	8.2	✓
12	−18°	2794	9	42.3	−18	58.4	8.2	✓
13	−18°	2792	9	42.0	−18	38.4	7.2	✓
14	−19°	2839	9	43.2	−19	35.9	9.0	✓
15	−19°	2842	9	44.0	−19	26.3	8.5	✓
16	−19°	2844	9	44.3	−19	27.6	8.7	✓
17	−19°	2850	9	45.0	−19	21.8	8.0	✓
18	−18°	2799	9	44.7	−18	59.2	8.0	✓
19	−18°	2800	9	44.9	−18	46.7	8.5	✓
20	−19°	2849	9	45.0	−19	5.0	8.6	✓
21	−20°	3032	9	44.0	−20	5.6	8.0	✓
22	−20°	3031	9	43.9	−20	24.2	8.5	✓
23	−20°	3036	9	44.3	−20	23.5	7.8	✓
24	−20°	3026	9	43.3	−20	27.5	8.5	✓
25	−20°	3033	9	44.1	−20	47.4	8.1	✓
26	−21°	2912	9	42.1	−21	20.5	7.2	✓
27	−21°	2915	9	42.7	−21	15.1	8.9	✓

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1913phae.proj.21510

Saturday, October 4, 1913

B 13145 short disp

No	Int.	Class	Remark
28	2	$F5^-$	
29	1	K	
30	4	$G5^-$	
31	2	$G5^-$	
32	6	F8	
33	6	B9	
34	1	F5?	Partly superposed on 35
35	3	A2	
36	3	$G5^-$	
37	1	G	
38	2	K_0	
39	2	$K5^-$	
40	2	$F5^-$	
41	1	G	
42	1	F8	
43	1	$F5^-$	
44	2	F	
45	1	A	
46	1	K	
47	3	F_0	
48	5	K_0	
49	2	K_2	
50	4	A_2	
51	3	B8	
52	4	K_0	
53	3	$F5^-$	
54	2	G5	

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1913phae.proj.21510

28	−21°	2919	9	42.9	−21	6.3	8.8	✓
29	−20°	3024	9	42.7	−20	48.5	9.0	✓
30	−20°	3022	9	42.3	−20	45.7	8.5	✓
31	−20°	3021	9	42.2	−20	41.2	8.7	✓
32	−21°	2907	9	40.4	−21	1.8	7.7	✓
33	−22°	2725	9	41.9	−22	0.2	8.1	✓
34	−22°	2722	9	41.7	−22	3.7	9.0	✓
35	−22°	2724	9	41.7	−22	9.8	9.0	✓ 9.1 −22° 2723 superposed
36	−21°	2905	9	39.7	−21	39.5	8.5	✓
37	−21°	2903	9	39.6	−21	45.7	8.8	✓
38	−21°	2902	9	39.2	−21	5.5	8.7	✓
39	−22°	2897	9	38.0	−22′	17.7	8.8	✓
40	−22°	2898	9	38.0	−22′	23.8	9.0	✓
41	−22°	2899	9	38.2	−22′	47.2	9.0	✓
42	−22°	2704	9	37.7	−22	32.8	9.0	✓
43	−22°	2720	9	41.4	−22	51.2	8.8	✓
44	−20 −28	2727 ~~8707~~	9	42.2 ~~43.1~~	−2 −28	58.5 ~~3.8~~	9.0	✓
45	−22°	2728	9	42.5	−22	42.6	9.0	✓
46	−22°	2730	9	42.7	−22	42.6	9.0	✓
47	−23°	8758	9	43.2	−23	42.9	8.5	✓
48	−24°	8477	9	43.5 ~~42.9~~	−24	3.9 ~~58.0~~	7.3 ~~8.0~~	✓
49	−23°	8773	9	44.2	−23	46.9	8.2	✓
50	−23°	8777	9	44.5	−23	54.0	8.6	✓
51	−24°	8504	9	44.6	−24	10.3	8.8	✓
52	−23°	8801	9	46.3	−23	37.9	8.0	✓
53	−23°	8806	9	46.5	−23	20.0	8.4	✓
54	−23°	8809	9	46.7	−23	10.7	8.8	✓

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1913phae.proj.21516

Saturday October 4, 1913

B 13145 short disp.

No.	Int.	Class	Remark
55	4	g_5	
56	4	K_0	
57	2	K_5	
58	3	g_0	
59	3	K_2	
60	4	a_2	
61	6	g_0	
62	5	K_2	
63	4	7_8	
64	3	a_0	
65	3	K_2	
66	10	a_0	
67	5	7_5	
68	1	K_0	
69	1	K_0	
70	2	7_0	
71	10+	a	
72	1	a	
73	2	K_2	
74	2	a_5	
75	6	7_5	
76	7	a_0	
77	3	7_0	
78	7	g_5	
79	3	K_0	
80	4	g_5	
81	2	h	0, 6, 10

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1913phae.proj.21510

55	−23°	8812	9	46.8	−23	8.1	8.3	✓
56	~~−28°~~ 2750 ~~8822~~		9	~~47.5~~ 46.6	~~−28~~ −23	59.5	~~8.2~~ 7.8	✓
57	−23°	8831	9	47.8	−23	30.6	8.0	✓
58	−22°	2756	9	47.7	−22	37.8	8.5	✓
59	−22°	2759	9	48.4	−22	48.9	7.8	✓
60	~~−28°~~ 2770 ~~8869~~		9	~~50.8~~ 50.0	~~−28~~ −23	~~4.5~~ 59.5	~~8.7~~ 8.5	✓
61	−23°	8866	9	50.8	−23	30.2	7.8	✓
62	−24°	8593	9	50.5	−24	28.8	7.9	✓
63	−24°	8603	9	51.0	−24	44.3	8.4	✓
64	−24°	8579	9	49.8	−24	56.3	8.8	✓
65	−24°	8551	9	48.4	−24	52.9	7.3	✓
66	−24°	8622	9	52.5	−24	31.7	7.0	✓
67	−23°	8889	9	52.8	−23	44.5	7.7	✓
68	−23°	8883	9	52.4	−23	14.8	8.6	✓
69	−23°	8895	9	53.2	−23	8.4	9.0	✓
70	~~−28°~~ 2788 ~~8902~~		9	~~53.7~~ 52.8	~~−28~~ −23	~~1.2~~ 55.0	~~8.8~~ 9.0	✓
71	−23°	8898	9	53.3	−23	21.0	6.2	✓
72	−22°	2780	9	51.7	−22	27.2	9.1	✓
73	−22°	2792	9	53.1	−22	38.7	8.5	✓
74	−22°	2796	9	53.4	−22	23.1	8.9	✓
75	−22°	2803	9	54.5	−22	27.1	7.8	✓
76	−22°	2804	9	54.5	−22	4.0	7.4	✓
77	−22°	2807	9	55.0	−22	53.8	8.5	✓
78	−23°	8928	9	56.0	−23	12.4	7.1	✓
79	−21°	2957	9	51.9	−21	38.1	7.8	✓
80	−21°	2958	9	52.3	−21	29.9	8.2	✓
81	−22°	2739	9	44.4	−22	20.4	6.6	✓

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1913phae.proj.2151c

Saturday October 4, 1913

B 13145 short disp

No.	Int.	Class	Remark
82	1	G_5	
83	2	K_0	
84	3	K_0	
85	10+	A	
86	2	A_5	
87	3	K_0	
88	2	G_5	
89	2	K_2	
90	4	G_5	
91	6	G_0	
92	3	G_5	
93	5	G_5	
94	1	G_5	
95	6	A_0	
96	8	A_0	
97	4	K_0	
98	3	Ma	
99	6	78	
Time 11.39	100	7	K_2
	101		
	102		
	103		
	104		
	105		
	106		
	107		

Continued in Bk. 77, 128

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1913phae.proj.21510

82	−22°	2741	9	44.6	−22	16.8	8.8 ✓
83	−22°	2751	9	46.7	−22	5.2	8.8 ✓
84	−22°	2753	9	46.9	−22	15.7	8.5 ✓
85	−21°	2935	9	47.8	−21	48.2	6.0 ✓
86	−21°	2938	9	47.9	−21	30.2	8.8 ✓
87	−21°	2941	9	48.4	−21	39.2	8.3 ✓
88	−20°	3051	9	49.1	−20	48.4	8.7 ✓
89	−20°	3052	9	49.8	−20	34.3	8.2 ✓
90	−20°	3059	9	51.0	−20	29.3	7.7 ✓
91	−20°	3049	9	49.0	−20	3.6	7.7 ✓
92	−19°	2857	9	47.6	−19	36.9	8.4 ✓
93	−18°	2806	9	46.7	−18	48.0	7.7 ✓
94	−19°	2856	9	47.1	−19	8.8	8.8 ✓
95	−19°	2865	9	48.7	−19	17.8	8.0 ✓
96	−18°	2814	9	48.9	−18	59.0	7.5 ✓
97	−19°	2871	9	49.4	−19	1.5	8.0 ✓
98	−19°	2870	9	49.2	−19	15.6	8.7 ✓
99	−19°	2883	9	52.5	−19	28.6	8.0 ✓
100	−19°	2884	9	52.5	−19	39.8	6.4 ✓

Identified by J & M Jan. 20, 1914.
Checked by A.M.C. Feb. 4. 1914
Cards made out by G.R.B.
Count. in Bk. 77, 128

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1913phae.proj.21512

Wednesday - November 12, 1913

11.25 I 38611 long

No	Dist.	Class	Remarks
✓ 1	2	F5	
✓ 2	1	K0	
✓ 3	1	F8	
✓ 4	2	F8	
✓ 5	2	G5	
✓ 6	1	G5	
✓ 7	1	K0	
✓ 8	2	K0	
✓ 9	1	K0	Partly superposed on 8
✓ 10	2	F8	
✓ 11	1	K2	
✓ 12	2	F5	
✓ 13	3	K2	
✓ 14	2	G0	
✓ 15	1	K0	
✓ 16	5	B9	
✓ 17	1	K0	
✓ 18	3	A5	
✓ 19	2	G5	
✓ 20	1	K2	
✓ 21	2	K0	
✓ 22	1	Ma	
✓ 23	5	K0	
✓ 24	7	A5	Another superposed on free side
✓ 25	2	G5	
✓ 26	2	F5	
✓ 27	3	A2	

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1913phae.proj.21510

		8	1874	8	1.1	8	47	4
1	+38°		~~+828~~	8	~~59.8~~	+38	~~59.6~~	8.5
2	+37°		1825	7	59.3	+37	37.2	8.7 ✓
3	+37°		1827	7	59.6	+37	38.2	8.8 ✓
4	+38°		1863	7	58.4	+38	22.7	8.5 ✓
5	+39°		2074	8	4.3	+39	27.0	8.4 ✓
6	+38°		1879	8	2.9	+38	52.2	8.6 ✓
7	+37°		1839	8	4.0	+37	37.9	8.7 ✓
8	+38°		1881	8	4.6	+38	11.8	8.3 ✓
9	+38°		1882	8	4.7	+38	22.9	8.4 ✓
10	+38°		1889	8	6.3	+38	55.6	8.5 ✓
11	+37°		1841	8	6.5	+37	52.8	8.9 ✓
12	+37°		1843	8	7.1	+37	43.8	9.2 ✓
13	+36°		1769	8	5.4	+36	55.9	8.2 ✓
14	+36°		1763	8	3.8	+36	8.6	8.4 ✓
15	+36°		1775	8	6.4	+36	23.0	8.6 ✓
16	+35°		1789	8	7.1	+35	59.7	7.6 ✓
17	+36°		1791	8	10.7	+36	18.1	8.4 ✓
18	+36°		1799	8	12.4	+36	30.7	8.6 ✓
19	+36°		1801	8	12.8	+36	35.4	8.5 ✓
20	+36°		1808	8	14.4	+36	46.9	8.3 ✓
21	+35°		1824	8	13.8	+35	57.1	8.5 ✓
22	+35°		1808	8	11.9	+35	47.2	8.0 ✓
23	+35°		1803	8	10.5	+35	39.1	7.3 ✓
24	+35°		1802	8	10.2	+35	30.4	7.5 ✓ +35° 1801 super. 8.6
25	+34°		1807	8	12.1	+34	46.9	8.3 ✓
26	+34°		1824	8	17.0	+34	40.7	8.3 ✓
27	+34°		1841	8	20.2	+34	44.6	8.0 ✓

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	34	1	K0	
	35	6	F0	
	36	7	K0	
	37	4	K0	
	38	2	K2	
	39	3	K2	
	40	3	K0	

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28	+34°	1842	8	20.3	+34	36.4	8.5 ✓
29	+34°	1838	8	19.8	+34	12.8	8.0 ✓
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31	+35°	1832	8	21.8	+35	51.8	7.8 ✓
32	+39°	2095	8	15.0	+39	56.9	8.2 ✓
33	+34°	1735	7	55.2	+34	3.7	8.4 ✓
34	+33°	1664	8	6.0	+33	58.3	8.5 ✓

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✓ 37	+39	2068	8	3.2	+39	54	7.5	40 m J33704
✓ 38	+34	1772	8	3.3	+34	56	8.4	76 m J33448
✓ 39	+34	1781	8	5.2	+34	24	7.3	77 " "
✓ 40	+40	2026	8	9.8	+40	3	7.6	47 " "

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