

1913pnae.proj.2149C

Saturday, April 12, 1913.

Time: 10.57

B24340 short dir.

b 49 -121

No.	Int.	Class	Remark
1	3	F ₁₀	
2	4	A ₀	
3	10	A ₀	
4	2	A ₂	
5	4	A ₃	
6	7	B ₉	
7	5	B ₉	
8	2	F ₁₂	
9	4	F ₈	
10	2	F ₈	
11	5	A ₅	
12	6	A ₀	
13	4	A ₀	
14	2	F ₁₅	
15	3	F ₁₅	
16	3	F ₈	
17	6	A ₀	
18	4	B ₈	
19	2	F ₁₂	
20	7	F ₁₀	
21	4	A ₀	
22	2	F ₁₀	
23	3	B ₈	
24	5	A ₀	
25	4	B ₉	
26	5	B ₉	
27	2	F ₁₀	Another star superposed at north.

1 -9°	1629	6	37.9 - 9	14.9	8.2	1✓
2 -9°	1636	6	38.5 - 9	49.9	8.5	1✓
3 -9°	1644	6	39.8 - 9	57.4	6.3	1✓
4 -10°	1690	6	40.3 - 10	34.9	9.0	1✓
5 -10°	1697	6	40.8 - 10	53.1	9.0	1✓
6 -10°	1702	6	41.2 - 10	56.8	7.8	1✓
7 -10°	1709	6	41.7 - 10	41.2	8.3	1✓
8 -11°	1642	6	41.5 - 11	6.9	8.8	✓
9 -11°	{1635 6	6	41.0 - 11	34.3	8.5 9.0	1✓
10 -11°	1638	6	41.3 - 11	42.7	8.9	1✓
11 -11°	1641	6	41.5 - 11	51.7	8.9	1✓
12 -11°	1644	6	41.8 - 11	41.3	8.6	1✓
13 -12°	1636	6	41.8 - 12	5.0	8.8	1✓
14 -12°	1632	6	41.3 - 12	19.2	8.7	1✓
15 -12°	1635	6	41.8 - 12	16.6	9.0	1✓
16 -12°	1643	6	42.7 - 12	17.1	9.0	1✓
17 -11°	1655	6	43.1 - 11	32.5	9.0	1✓
18 -11°	1654	6	43.0 - 11	20.5	9.2	1✓
19 -11°	1656	6	43.3 - 11	12.4	9.0	1✓
20 -10°	1729	6	44.5 - 10	56.9	8.0	1✓
21 -10°	1724	6	44.0 - 10	31.0	8.8	1✓
22 -10°	1731	6	44.6 - 10	31.0	8.9	1✓
23 -10°	1733	6	44.9 - 10	19.6	9.2	1✓
24 -10°	1737	6	45.5 - 10	3.6	9.0	1✓
25 -9°	1697	6	45.8 - 9	59.8	9.0	1✓
26 -9°	1699	6	46.0 - 9	49.5	9.0	1✓
27 -9°	1702	6	46.1 - 9	56.6	9.0	1✓

Cards made out

Saturday, April 12, 1913.

B 24340 short air.

No.	Int.	Class	Remark
28	1	lys	
29	4	As	
30	8	lys	
31	2	lys	
32	4	As	
33	1	lys	
34	4	As	
35	4	As	
36	6	lys	
37	2	As	
38	3	As	
39	7	As	
40	4	lys	
41	8	As	
42	6	lys	
43	5	As	
44	6	lys	
45	6	As	
46	3	As	
47	5	B9	
48	4	As	
49	4	lys	
50	8	B9	
51	2	lys	
53	3	As	
53	2	A	
54	3	F A	Nearly all superseded on 55

28	-10°	1744	6	46.1	-10	8.9	9.3	1 ✓
29	-10°	1743	6	45.9	-10	16.0	9.0	1 ✓
30	-11°	1667	6	45.2	-11	2.0	8.0	1 ✓
31	-10°	1742	6	45.8	-10	55.7	8.7	1 ✓
32	-11°	1661	6	44.4	-11	15.9	9.0	1 ✓
33	-11°	1662	6	44.6	-11	14.3	9.0	1 ✓
34	-11°	1660	6	44.1	-11	37.6	9.1	1 ✓
35	-11°	1659	6	44.0	-11	46.1	9.5	1 ✓
36	-11°	1670	6	45.5	-11	22.2	9.0	1 ✓
37	-11°	1668	6	45.3	-11	28.8	9.3	1 ✓
38	-11°	1671	6	45.6	-11	36.6	9.4	1 ✓
39	-11°	1674	6	46.3	-11	33.0	9.0	1 ✓
40	-11°	1677	6	47.0	-11	30.1	9.0	1 ✓
41	-11°	1675	6	46.5	-11	2.9	8.3	1 ✓
42	-11°	1678	6	47.0	-11	5.1	7.8	1 ✓
43	-10°	1753	6	47.9	-10	54.7	9.0	1 ✓
44	-11°	1684	6	47.8	-11	12.3	8.7	1 ✓
45	-11°	1689	6	48.4	-11	14.9	9.0	1 ✓
46	-11°	1693	6	48.6	-11	17.8	9.4	1 ✓
47	-11°	1699	6	49.2	-11	21.1	9.2	1 ✓
48	-11°	1685	6	48.2	-11	24.7	9.3	1 ✓
49	-11°	1686	6	48.2	-11	32.1	9.0	1 ✓
50	-11°	1687	6	48.3	-11	35.0	8.9	1 ✓
51	-11°	1688	6	48.3	-11	44.6	9.0	1 ✓
52	-11°	1691	6	48.4	-11	35.2	9.6	1 ✓
53	-11°	1692	6	48.5	-11	45.5	9.6	1 ✓
54	-11°	1695	6	49.0	-11	40.7	9.2	1 ✓

cards made out

Saturday, April 12, 1913.

B 24340 short disp.

No.	Int.	Class	Remarks
55.	4	Fo	Partly superposed on 54.
56	2	A5	
57	6	A2	
58	1	A	
59	7	B9	
60	9	B	H β bright.
61	7	B9	
62	2	A	
63	3	B8	
64	2	B8	
65	3	A0	
66	4	A2	
67	3	B8	
68	2	B8	
69	4	F5	
70	4	F5	
71	7	F5	
72	2	F2	
73	4	A0	
74	4	F2	
75	2	F2	
76	3	A0	
77	7	F0	
78	8	B9	
79	3	A0	
80	3	A0	
81	4	A0	

55 -11°	1697	6	49.0 -11	40.5	9.2	1✓
56 -11°	1702	6	49.6 -11	33.9	9.6	1✓
57 -11°	1705	6	50.1 -11	11.5	9.0	1✓
58 -11°	1703	6	49.7 -11	21.1	9.8	1✓
59 -10°	1771	6	50.1 -10	48.3	8.5	1✓
60 -10°	1774	6	50.3 -10	38.4	7.2	1✓
61 -10°	1779	6	50.5 -10	45.1	8.7	1✓
62 -10°	1772	6	50.2 -10	45.5	9.0	1✓
63 -10°	1778	6	50.5 -10	55.6	9.2	1✓
64 -10°	1783	6	50.9 -10	52.2	9.3	1✓
65 -10	1788	6	51.5 -10	46.0	9.1	1✓
66 -10°	1791	6	51.8 -10	54.1	8.9	1✓
67 -10°	⁹⁹ 1788	6	^{52.6} 52.5 -10	^{57.5} 46.0	^{9.5} 9.2	1✓
68 -10°	1802	6	52.9 -10	57.3	9.3	1✓
69 -11°	1720	6	52.6 -11	18.1	8.7	1✓
70 -11°	1715	6	51.9 -11	29.9	9.2	1✓
71 -11°	1719	6	52.4 -11	28.4	8.8	1✓
72 -11°	1716	6	51.9 -11	37.8	9.3	1✓
73 -11°	1717	6	52.0 -11	46.6	9.2	1✓
74 -12°	1726	6	52.5 -12	4.7	9.0	1✓
75 -11°	1722	6	52.8 -11	52.8	9.4	1✓
76 -11°	1724	6	52.9 -11	35.9	9.4	1✓
77 -11°	1725	6	52.9 -11	46.1	8.5	1✓
78 -11°	1728	6	53.3 -11	48.7	8.7	1✓
79 -11°	1729	6	53.4 -11	36.1	9.3	1✓
80 -11°	1730	6	53.5 -11	31.7	9.2	1✓
81 -11°	1738	6	54.3 -11	31.2	9.1	1✓

cards made out

Saturday, April 12, 1913.

B24340 short clip

No.	Int.	Class	Remark
82	5	A ₃	
83	5	H ₀	
84	5	A ₀	
85	4	F ₀	
86	8	B ₃	
87	5	L ₅	
88	3	H ₀	
89	2	A ₀	
90	1	A	
91	2	A ₂	
92	4	M _a	
93	4	A ₀	
94	6	A ₀	
95	4	B ₉	
96	6	F ₀	
97	3	H ₅	
98	2	A ₀	
99	2	B ₈	
100	5	A ₃	
101	6	B ₉	
102	3	A ₀	
103	4	A ₀	
104	3	A ₂	
105	1	A	
106	2	A ₂	
107	1	H ₅	
108	1	A	

82 -12°	1739 6	54.8 -12	7.5	8.8	1
83 -12°	1745 6	55.4 -12	18.0	8.5	✓
84 -12°	1747 6	55.5 -12	24.8	8.8	1✓
85 -12°	1728 6	52.6 -12	40.5	8.8	1✓
86 -12°	1729 6	52.9 -12	48.0	8.0	1✓
87 -12°	1736 6	54.0 -12	56.9	8.7	✓✓
88 -12°	1733 6	53.7 -12	35.3	9.0	✓✓
89 -12°	1731 6	53.3 -12	25.8	9.2	1✓
90 -12°	1738 6	54.4 -12	31.6	9.4	1✓
91 -12°	1743 6 1746 6	55.2 -12 55.4 -12	36.8 34.9	9.8 9.1	✓
92 -12°	1740 6	54.8 -12	55.7	8.2	1✓
93 -13°	1777 6	54.9 -13	14.7	8.8	✓✓
94 -13°	1770 6	53.6 -13	23.5	8.5	✓✓
95 -13°	1771 6	53.7 -13	36.9	9.0	1✓
96 -13°	1764 6	52.8 -13	30.4	8.3	✓✓
97 -13°	1754 6	52.0 -13	40.1	8.4	✓✓
98 -13°	1755 6	52.1 -13	40.5	9.2	✓✓
99 -13°	1758 6	52.3 -13	52.4	9.2	✓
100 -14°	1689 6	55.6 -14	9.2	8.5	✓✓
101 -14°	1690 6	55.7 -14	11.0	8.8	✓✓
102 -13°	1787 6	55.8 -13	59.9	9.1	✓✓
103 -13°	1795 6	56.4 -13	57.5	9.1	✓
104 -14°	1692 6	55.8 -14	8.5	9.4	1✓
105 -13°	1785 6 1784 6	55.6 -13 55.5 -13	37.8 36.3	9.3 9.3	✓
106 -13°	1789 6 1785 6	56.0 -13 55.6 -13	29.0 27.8	9.1 9.3	✓
107 -13°	1782 6	55.3 -13	18.9	8.9	1✓
108 -13°	1781 6	55.2 -13	8.1	9.8	✓✓

cards made out

Saturday, April 12, 1913.

B 24340 silent clips.

No.	Int.	Class	Remarks
109	8	A ₀	
110	2	A ₀	
111	3	A ₀	
112	2	A ₂	Partly superposed on 111.
113	5	A ₃	
114	3	F ₅	
115	2	F ₅	
116	2	A ₂	
117	1	A ₀	
118	6	F ₀	
119	1	A	
120	5	F ₀	Nearly all superposed on 121.
121	5	A ₀	
122	6	B ₉	
123	5	A ₀	
124	5	B ₂	
125	2	F ₀	
126	1	F ₂	
127	2	A ₀	
128	1	F ₂	
129	1	F	
130	1	F ₅	
131	4	A ₀	
132	1	A	
133	2	F ₅	
134	1	F	
135	3	A ₀	

109	-11°	1602	6	36.2	-11	37.3	8.0	^v
110	-11°	1604	6	36.4	-11	57.3	9.1	^v
111	-12°	1608	6	37.5	-12	15.7	9.1	^v
112	-12°	1609	6	37.6	-12	22.5	9.2	^v
113	-12°	1607	6	37.5	-12	40.4	8.8	^v
114	-13°	1638	6	38.4	-13	3.5	9.0	^v
115	-13°	1636	6	38.3	-13	14.3	8.7	^v
116	-13°	1646	6	40.4	-13	1.0	9.0	^v
117	-12°	1624	6	40.4	-12	42.0	9.0	^v
118	-12°	1623	6	40.4	-12	2.5	7.8	^v
119	-11°	1631 1632	6 6	40.2 40.2	-11 -11	55.3 52.7	9.5 9.5	^v v
120	-13°	1660	6	41.7	-13	16.5	8.3	^v
121	-13°	1661	6	41.7	-13	18.6	8.4	^v
122	-13°	1669	6	42.7	-13	32.5	8.6	^v
123	-13°	1677	6	43.4	-13	27.2	8.3	^v
124	-13°	1686	6	44.4	-13	3.5	8.5	^v
125	-12°	1654	6	44.2	-12	38.5	9.1	^v
126	-12°	1661	6	44.9	-12	32.4	8.8	^v
127	-12°	1662	6	45.0	-12	45.0	9.1	^v
128	-12°	1665	6	45.2	-12	42.1	8.9	^v
129	-12°	1660	6	44.8	-12	56.8	9.2	^v
130	-12°	1664	6	45.2	-12	57.5	9.0	^v
131	-12°	1678	6	46.4	-12	48.1	9.1	^v
132	-12°	1673	6	46.3	-12	25.3	9.3	^v
133	-12°	1680	6	46.8	-12	7.6	9.3	^v
134	-12°	1668	6	45.9	-12	8.7	9.1	^v
135	-12°	1669	6	45.9	-12	12.8	9.2	^v

cards made out

Saturday, April 12, 1913.

B 24340 slant axis.

No.	Int.	Class	Remarks
136	1	F	The following of two.
137	2	A2	
138	1	F0	
139	3	A0	
140	4	F2	
141	7	A5	
142	7	B2	
143	3	A3	
144	7	A0	
145	2	F0	
146	2	B9	
147	4	F0	
148	3	G5	
149	5	B9	
150	4	Ma	Perhaps F5.
151	6	G5	
152	2	A0	
153	1	F	
154	7	A0	
155	3	A0	
156	4	F2	
157	2	A0	
158	5	F0	
159	4	B	(nearly all superimposed on a bright star.)
160	3	A2	
161	3	A0	
162	2	A0	

136 -12°	1667 b	45.5 -12	7.0	9.5	1 ✓
137 -13°	1663 b	41.9 -13	55.4	9.1	1 ✓
138 -13°	1668 b	42.4 -13	58.2	8.9	1 ✓
139 -14°	1595 b	42.2 -14	12.3	9.1	1 ✓
140 -14°	1597 b	42.2 -14	14.1	8.0	1 ✓
141 -14°	1605 b	43.5 -14	16.6	8.5	1 ✓
142 -13°	1682 b	43.8 -13	56.9	8.0	1 ✓
143 -13°	1672 b	43.0 -13	48.5	9.0	1 ✓
144 -14°	1614 b	44.3 -14	5.6	8.2	1 ✓
145 -14°	1609 b	44.1 -14	3.6	9.4	1 ✓
146 -14°	1613 b	44.3 -14	16.9	9.3	1 ✓
147 -14°	1610 b	44.2 -14	34.6	8.5	1 ✓
148 -14°	1627 b	46.9 -14	25.6	8.8	1 ✓
149 -14°	1633 b	47.7 -14	3.9	8.8	1 ✓
150 -13°	1722 b	48.2 -13	58.5	8.1	1 ✓
151 -13°	1735 b	49.2 -13	33.9	8.5	1 ✓
152 -13°	1726 b	48.4 -13	25.0	9.5	1 ✓
153 -13°	1729 b	48.7 -13	20.2	8.9	1 ✓
154 -13°	1712 b	47.2 -13	50.8	8.8	1 ✓
155 -13°	1701 b	46.6 -13	29.7	9.1	1 ✓
156 -13°	1705 b	46.9 -13	31.5	8.9	1 ✓
157 -13°	1714 b	47.2 -13	36.1	9.4	1 ✓
158 -13°	1717 b	47.5 -13	34.1	8.7	1 ✓
159 -13°	1710 b	47.2 -13	0.1	8.9	1 ✓
160 -12°	1686 b	47.5 -12	42.4	8.8	1 ✓
161 -12°	1692 b	48.0 -12	35.2	8.9	1 ✓
162 -12°	1687 b	47.7 -12	19.6	9.3	1 ✓

Cards made out

Saturday, April 12, 1913.

B 24340 short circ.

No.	Int.	Class	Remark
163	4	Fo	H _γ + H _δ double. Another star superposed?
164	4	A2	
165	1	F	
166	1	G5	
167	2	G5	
168	5	B9	
169	7	Fo	
170	1	A	
171	1	G	
172	2	Ao	
173	1	Ao	
174	3	G	
175	3	Ao	
176	1	Fo	
177	1	Fo	
178	1	B9	
179	2	A2	
180	1	A	
181	7	Ao	
182	6	B8	
183	4	F5	Perhaps "Ma."
184	3	A2	
185	8	F5	
186	2	Ao	
187	1	F2	
188	6	Fo	
189	2	Ao	

11.40
April 14, 1913
Time 10.05

163	-12°	1693	6	48.1	-12	20.7	9.0	1v
164	-12°	1698	6	48.7	-12	6.0	9.0	^v
165	-12°	1699	6	48.9	-12	2.1	9.5	1v
166	-12°	1694	6	48.3	-12	35.7	9.0	1v
167	-12°	1696	6	48.5	-12	48.7	9.1	1✓
168	-12°	1703	6	49.6	-12	40.3	9.0	1✓ -12° 1704 ^{mag. 9.1} 34 par posed
169	-12°	1714	6	50.9	-12	8.4	8.5	1v
170	-11°	1704	6	50.1	-11	57.4	9.5	1v
171	-11°	1712	6	51.3	-11	37.1	9.3	1v
172	-12°	1713	6	50.8	-12	42.1	9.4	^v
173	-12°	1716	6	51.0	-12	41.0	9.5	1v
174	-12°	1721	6	51.3	-12	46.4	9.0	^v
175	-12°	1722	6	51.5	-12	49.0	9.0	1v
176	-12°	1724	6	51.7	-12	47.6	9.0	1v
177	-12°	1725	6	52.0	-12	19.2	9.0	1v
178	-12°	1705	6	49.8	-12	52.8	9.4	1v
179	-14°	1645	6	49.2	-14	1.3	9.3	1v
180	-13°	1731	6	48.8	-13	48.3	9.8	1v
181	-12°	1802	6	57.6	-12	31.4	8.3	1v
182	-13°	1804	6	58.0	-13	43.9	8.8	1v
183	-13°	1808	6	58.4	-13	45.7	8.8	1v
184	-13°	1808	6	58.4	-13	50.3	8.8	1v
185	-13°	1814	6	59.1	-13	36.5	8.0	^v
186	-14°	1705	6	58.5	-14	12.3	9.2	1v
187	-14°	1704	6	58.1	-14	21.4	8.8	1v
188	-14°	1710	6	58.9	-14	39.5	8.2	1v
189	-13°	1819	6	59.8	-13	42.2	9.0	1v

cards made out

Monday, April 14, 1913.

B 24340 short disp.

No.	Int.	Class	Remarks
196	3	A0	
191	3	A0	
195	3	F0	
193	3	F2	
194	2	A0	
195	1	A2	
196	1	G5	
197	1	A3	
198	6	B35	
199	2	A2	
200	2	G5	
201	1	A5	
202	4	B3	H β , H γ bright.
203	2	A0	
204	4	A0	
205	3	B9	
206	7	F8	
207	2	G0	
208	3	A2	
209	4	F0	
210	3	B35	
211	5	B8	
212	4	B9	
213	3	B8	
214	4	A0	Another star superposed on fol. side.
215	1	F0	
216	5	B9	

190	-12°	1762	6	57.3	-12	55.8	9.0	1v
191	-12°	1764	6	57.4	-12	39.5	9.1	1v
192	-12°	1760	6	57.1	-12	20.7	8.7	1v
193	-12°	1756	6	56.5	-12	0.3	9.0	1v
194	-11°	1750	6	58.2	-11	58.4	9.3	1v
195	-11°	1749	6	55.1	-11	49.3	9.5	1v
196	-11°	1748 1746	6 6	58.1 55.0	-11 -11	44.2 42.1	9.3 9.7	1v v
197	-11°	1753	6	55.5	-11	21.8	9.8	1v
198	-11°	1755	6	55.9	-11	14.9	8.7	1v
199	-11°	1757	6	56.1	-11	34.0	9.4	1v
200	-11°	1756	6	56.1	-11	41.7	9.2	1v
201	-11°	1758	6	56.2	-11	46.1	9.5	1v
202	-11°	1760	6	56.9	-11	20.0	9.0	1v
203	-11°	1769	6	57.7	-11	36.3	9.5	1v
204	-11°	1774	6	58.1	-11	42.2	9.2	1v
205	-11°	1771	6	57.9	-11	46.0	9.0	1v
206	-11°	1772	6	57.9	-11	54.6	8.4	1v
207	-11°	1777	6	58.3	-11	45.1	9.4	1v
208	-11°	1781	6	58.9	-11	21.2	9.5	1v
209	-11°	1773	6	57.9	-11	2.5	8.8	1v
210	-11°	1766	6	57.5	-11	11.3	9.0	1v
211	-10°	1858 6	6 6	58.8 58.4	-10 -10	56.6 53.4	9.4 9.2	1v 1v
212	-11°	1778	6	58.5	-11	3.8	9.4	1v
213	-10°	1859	6	58.8	-10	56.6	9.3	1v
214	-10°	1865	6	59.1	-10	52.6	9.2	1v
215	-11°	1784	6	59.4	-11	2.6	9.0	1v
216	-11°	1788	6	59.7	-11	19.1	8.9	1v

cards made out

Monday, April 14, 1913.

B 24340 slant disp.

No.	Int.	Class	Remarks
217	3	H ₀	
218	7	B ₅	
219	2	B ₉	
220	1	A ₀	
221	4	F ₁₅	
222	3	K	0, 8, 10.
223	4	B ₅	
224	3	F ₁₂	
225	7	A ₂	
226	2	F ₁₂	
227	2	B ₅	
10.17 228	7	B ₅	
10.21 229	3	A ₀	
230	4	B ₉	
231	2	F ₁₅	
232	7	B ₈	
233	4	A ₂	
234	5	F ₁₅	
235	8	B ₉	
236	5	F ₅	
237	4	A ₀	
238	3	A ₀	
239	2	A ₀	
240	✓	B ₈	Lines misestimated.
241	4	B ₈	
242	3	A ₀	
243	3	H ₀	

217 -11°	1789	6	59.8	-11	14.0	8.7	1✓
218 -11°	1793	7	0.1	-11	6.3	8.4	1✓
219 -10°	1877	7	0.7	-10	55.6	9.3	✓
220 -11°	1799	7	0.8	-11	8.5	9.4	1✓
221 -11°	1803	7	1.2	-11	22.1	8.5	1✓
222 -11°	1805	7	1.3	-11	41.8	7.6	1✓
223 -11°	1801	7	1.1	-11	41.5	9.1	1✓
224 -11°	1795	7	0.5	-11	57.9	8.3	✓
225 -12°	1790	7	0.3	-12	0.8	8.3	1✓
226 -12°	1792	7	0.4	-12	8.4	8.3	✓
227 -12°	1787	6	59.8	-12	28.8	9.6	1✓ 12° 1786 9.7 superposed
228 -12°	1781	6	59.4	-12	43.8	8.5	1✓
229 -12°	1794	7	0.5	-12	51.8	8.6	✓
230 -13°	1827	7	0.7	-13	13.7	8.8	1✓
231 -13°	1831	7	0.9	-13	29.4	8.3	✓
232 -13°	1828 1805	7	0.7 0.8	-13 -13	49.8	8.0 7.6	✓
233 -13°	1842	7	1.9	-13	46.2	8.5	1✓
234 -12°	1808	7	1.8	-12	52.4	8.5	✓
235 -12°	1808	7	1.8	-12	39.4 52.4	7.5 8.5	✓
236 -12°	1806	7	1.7	-12	18.5	8.7	1✓
237 -12°	1813	7	2.2	-12	5.6	8.9	1✓
238 -12°	1798	7	1.0	-12	4.0	9.2	✓
239 -11°	1804	7	1.3	-11	48.1	9.4	1✓
240 -11°	1812	7	1.6	-11	37.8	8.5	✓
241 -11°	1816	7	2.1	-11	16.4	9.1	✓
242 -10°	1889	7	2.0	-10	57.1	9.0	✓
243 -9°	1768	6	52.0	-9	50.7	8.4	✓

cards made out

Monday, April 14, 1913.

B 24340 short axis

No.	Int.	Class	Remarks
244	3	Fo	
245	3	Bg	
246	5	Bg	
247	3	As	
248	4	Bg	
249	7	Bg	
250	2	Bg	
251	2	As	
252	1	Fo	
253	1	A	
254	1	A	
255	3	Fo	
256	2	As	
257	5	As	
258	4	Bg	
259	8	As	
260	8	B35	
261	4	F5	
262	1	go	
263	2	As	
264	3	F5	
265	2	F2	
266	10	B8	
267	4	As	
268	7	B0	
269	2	F2	
270	2	Fo	

244	-9°	1764	6	51.8	-9	59.1	8.7	11
245	-9°	1769	6	52.0	-9	54.5	9.1	11
246	-10°	1793	6	52.1	-10	2.4	8.5	10
247	-10°	1792	6	52.1	-10	23.5	9.3	11
248	-10°	1796	6	52.4	-10	31.0	9.3	11
249	-10°	1795	6	52.3	-10	35.5	8.5	11
250	-10°	1794	6	52.2	-10	41.1	9.6	11
251	-10°	1810	6	53.7	-10	49.3	9.5	11
	-11°	1735	6	53.8	-11	2.6	9.2	
252	-11	1737	6	54.0	-11	4.7	9.5	11
253	-11°	1734	6	53.8	-11	15.8	9.8	11
254	-11°	1736	6	53.9	-11	19.9	9.9	11
255	-11°	1742	6	54.6	-11	1.5	9.1	11
256	-10°	1820	6	55.3	-10	52.7	9.4	11
257	-10°	1821	6	55.3	-10	58.0	9.0	11
258	-10°	1833	6	56.2	-10	54.5	8.9	11
259	-10°	1836	6	56.4	-10	55.3	8.4	11
260	-10°	1834	6	56.3	-10	59.1	8.2	11
261	-10°	1824	6	55.4	-10	28.2	8.8	11
262	-10°	1828	6	55.9	-10	37.1	9.1	11
263	-10°	1831	6	56.0	-10	32.7	9.5	11
264	-10°	1832	6	56.0	-10	9.1	8.7	11
265	-10°	1841	6	56.8	-10	18.7	9.2	11
266	-9°	1818	6	57.1	-9	54.4	6.3	11
267	-10°	1846	6	57.3	-10	4.0	8.6	11
268	-10°	1848	6	57.6	-10	14.4	9.3	11
269	-9°	1827	6	57.8	-9	57.2	8.7	11
270	-9°	1832	6	58.4	-9	53.3	8.8	11

Cards in order out

Monday, April 14, 1913.

B 24 340 short circs.

No.	Int.	Class	Remarks
271	1	F ₅	
272	1	F ₂	
273	2	A	
274	10	F ₃₂	
275	5	B ₉	
276	3	F ₂	
277	4	B ₅	
278	3	B ₉	
279	3	A ₀	
280	1	A	
281	7	B ₀	
282	2	F ₅	
283	4	B ₉	
284	3	B ₈	
285	1	A ₅	
286	3	F ₀	
287	5	A ₀	
288	6	A ₀	
289	6	F ₂	
290	6	A ₅	
291	1	F ₀	
292	2	A ₀	
293	1	A	
294	2	F ₂	
295	3	A ₀	
296	4	A ₀	
297	2	F ₀	Partly superposed on 298

271 -10°	1850	6	58.0 -10	18.0	9.0	1 V
272 -10°	1858	6	58.8 -10	12.6	8.8	1 V
273 -10°	1854	6	58.3 -10	38.2	9.5	1 V ^{mag. 9.5} -10° 1853 superposed
274 -10°	1862	6	59.0 -10	26.7	7.0	1 V
275 -9°	1844	6	59.3 -9	57.0	8.2	1 V
276 -10°	1871	6	59.6 -10	0.1	8.2	1 V
277 -9°	1775	6	52.7 -9	18.1	8.6	1 V
278 -9°	1774	6	52.7 -9	31.6	9.0	1 V
279 -9°	1780	6	53.3 -9	5.5	8.5	1 V
280 -8°	1663	6	53.5 -8	59.1	9.3	1 V ^{mag. 9.3} -9° 1782 superposed
281 -8°	1667	6	53.7 -8	59.7	6.8	1 V
282 -9°	1783	6	53.8 -9	18.1	8.3	1 V
283 -9°	1784	6	53.8 -9	26.4	8.8	1 V
284 -10°	1804	6	53.1 -10	4.8	8.9	1 V
285 -9°	1777	6	53.1 -9	34.4	9.2	1 V
286 -9°	1790	6	54.4 -9	15.8	9.0	1 V
287 -9°	1803	6	55.0 -9	14.2	9.0	1 V
288 -9°	1805	6	55.3 -9	0.4	8.2	1 V
289 -9°	1796	6	54.6 -9	30.0	8.0	1 V
290 -9°	1804	6	55.2 -9	40.9	8.0	1 V
291 -9°	1801	6	54.8 -9	48.9	9.1	1 V
292 -10°	1814	6	54.5 -10	4.6	9.3	1 V
293 -10°	1811	6	54.3 -10	15.0	9.5	1 V
294 -9°	1810	6	55.7 -9	52.4	9.1	1 V ^{mag. 9.1} -9° 1808 superposed
295 -9°	1809	6	55.6 -9	7.2	9.2	1 V
296 -9°	1811	6	55.9 -9	12.4	9.0	1 V
297 -9°	1816	6	56.4 -9	20.8	9.0	1 V

cards made out

Monday, April 14, 1913.

B 24340 short axis

No.	Lat.	Class	Remarks
298	2	As	
299	6	As	E.
300	7	A2	
301	2	Fo	
302	2	A2	
303	2	F5	
304	6	F2	
305	1	As	
10.38 306	2	As	
10.55 307	4	F8	
308	2	Fo	
11.05 309	7	As	
310	4	A3	
311	4	As	
312	9	B3	
313	5	B9	
314	1	F5	
315	2	F2	
316	4	Fo	
317	2	A2	
318	8	As	
319	10	As	
320	4	As	
321	4	B5	
322	5	As	
323	4	F5	
324	3	F5	E.

298 -9°	1814 6	56.3 -9	22.9	9.1	1 ✓
299 -8°	1725 6	57.4 -8	53.7	8.4	1 ✓
300 -10°	1655 6	35.8 -10	36.2	7.8	1 ✓
301 -10°	1670 6	37.4 -10	19.1	9.0	1 ✓
302 -10°	1671 6	37.4 -10	37.8	9.0	1 ✓
303 -10°	1669 6	37.3 -10	51.0	8.3	1 ✓
304 -10°	1672 6	37.5 -10	59.2	8.3	1 ✓
305 -10°	1678 6	38.5 -10	41.5	9.0	1 ✓
306 -10°	1682 6	38.9 -10	29.5	9.0	1 ✓
307 -11°	1617 6	38.1 -11	39.6	9.1	1 ✓
308 -11°	1618 6	38.3 -11	16.0	8.8	1 ✓
309 -11°	1590 6	34.6 -11	10.5	8.3	1 ✓
310 -11°	1588 6	34.5 -11	28.0	9.0	1 ✓
311 -11°	1594 6	35.3 -11	25.7	9.0	1 ✓
312 -12°	1585 6	34.2 -12	2.8	7.3	1 ✓
313 -12°	1588 6	34.8 -12	47.8	8.5	1 ✓
314 -12°	1587 6	34.8 -12	58.5	8.8	1 ✓
315 -12°	1597 6	36.0 -12	47.9	8.5	1 ✓
316 -12°	1602 6	36.6 -12	46.0	8.5	1 ✓
317 -12°	1605 6	37.1 -12	42.3	9.0	1 ✓
318 -13°	1625 6	36.9 -13	2.9	8.3	1 ✓
319 -13°	1622 6	36.4 -13	33.5	7.3	1 ✓
320 -13°	1624 6	36.6 -13	43.1	8.8	1 ✓
321 -13°	1641 6	39.4 -13	41.2	8.8	1 ✓
322 -14°	1575 6	39.5 -14	9.1	9.0	1 ✓
323 -14°	1572 6	39.3 -14	20.4	8.7	1 ✓
324 -14°	1563 6	38.1 -14	34.9	8.7	1 ✓

cards made out

Monday, April 14, 1913.

1324340 short disp.

No. Int. Class Remark

325 4 Hs

326 7 Ao

327 2 Hs

328 2 Ao

329 3 Fo

330 1 A

331 2 Ho

332 1 G

333 1 Ao

334 2 Ao

335 2 Hs

336 3 Hs

337 4 Ao

Time 11.12 338 3 Ao

~~339~~

~~340~~

~~341~~

~~342~~

339 7 Hs

340 3 Hs

cul. 133,160

325 -14°	1542	6	35.2 -14	20.1	8.5	1✓
326 -13°	1609	6	34.8 -13	48.3	8.0	1✓
327 -13°	1606	6	34.6 -13	39.6	8.5	1✓
328 -13°	1614	6	35.4 -13	20.8	9.2	1✓
329 -13°	1619	6	36.2 -13	16.2	9.0	1✓
330 -13°	1605	6	34.3 -13	13.1	9.3	1✓
331 -13°	1604	6	34.0 -13	9.3	8.5	1✓
332 -12°	1591	6	35.6 -12	30.7	9.1	1✓
333 -12°	1593	6	35.6 -12	9.9	9.1	1✓
334 -12°	1598	6	36.2 -12	10.6	9.1	1✓
335 -11°	1583	6	33.6 -11	58.6	9.0	1✓
336 -12°	1580	6	33.5 -12	32.5	9.0	1✓
337 -13°	1596	6	33.3 -13	49.9	8.7	1✓
338 -13°	1597	6	33.4 -13	55.6	9.0	1✓

Identified by AMC. June 18, 1913
 Checked July 10, 1913 J.W.

cards made out by W. C. W.

cards checked by J. F. G. July 16, 1913

✓ 339 -10°	1818	6	55.0 -10	41.1	7.0	✓
✓ 340 -10	1651	6	35.4 -10	22	8.9	82 on B27463

Monday, April 14, 1913.

Time: 11.14

B12672 short dirp.

No.	Int.	Class	Remark
1	1	F ₅	
2	3	F ₀	
3	5	F ₅	
4	4	F ₀	
5	^{3.5} 6.1	A ₂	
6	3	A ₀	
7	2	B ₈	
8	2	G	
9	3	F ₀	
10	9	F ₀	
11	2	A ₀	
12	6	B ₈	
13	2	A ₂	
14	6	A ₂	
15	2	G ₅	
16	4	F ₀	
17	3	A ₂	
18	7	F ₀	
19	2	B ₈	Lines indistinct.
20	7	F ₀	
21	5	F ₀	
22	2	F ₅	
23	4	F ₀	
24	4	F ₀	
25	2	A ₂	
26	3	A ₀	
27	6	B ₈	

1	-8°	1416	6	17.1	-8	59.8	8.3	^✓	
2	-9°	1446	6	16.9	-9	16.7	8.5	^✓	
3	-9°	1444	6	16.7	-9	48.4	6.3	^✓	
4	-9°	1456	6	18.4	-9	0.6	7.5	^✓	
5	-9°	1462	6	19.4	-9	57.5	8.0	^✓	
6	-9°	1464	6	19.6	-9	15.2	8.5	^✓	
7	-9°	1458	6	19.2	-9	19.3	9.0	^✓	
8	-10°	151 ² ₃	6	18.4	-10	13.2	8.9	^✓	-10° 1513 9.8 superposed
9	-10°	1515	6	18.5	-10	52.0	7.8	^✓	
10	-11°	1478	6	17.4	-11	27.0	6.0	^✓	
11	-11°	1484	6	19.0	-11	15.1	9.0	^✓	
12	-11°	1500	6	22.1	-11	10.7	7.8	^✓	
13	-11°	1499	6	22.0	-11	32.8	8.6	^✓	
14	-11°	1506	6	22.7	-11	22.4	8.0	^✓	
15	-10°	1552	6	23.3	-10	39.2	8.3	^✓	
16	-10°	155 ⁵ ₄	6	23.6	-10	29.4	8.6	^✓	
17	-10°	1557	6	24.4	-10	19.1	8.6	^✓	
18	-9°	1493	6	23.3	-9	59.3	6.3	^✓	
19	-9°	1498	6	23.9	-9	33.9	8.6	^✓	magn. 9.2
20	-11°	1520	6	26.0	-11	3.8	7.0	^✓	1497 superposed
21	-11°	1536	6	27.7	-11	6.7	8.1	^✓	
22	-11°	1533	6	27.3	-11	21.7	8.3	^✓	
23	-11°	1550	6	29.1	-11	15.8	7.5	^✓	
24	-11°	1554	6	30.1	-11	18.2	8.2	^✓	
25	-11°	1564	6	30.9	-11	33.5	8.5	^✓	
26	-11°	1570	6	32.3	-11	8.2	8.5	^✓	
27	-11°	1577	6	32.8	-11	34.5	8.2	^✓	

Cards made out.

Monday, April 14, 1913.

B12672 ^{short} long axis.

No.	Int.	Class	Remarks
28	2	H ₀	
29	4	B ₉	
30	8	H ₅	
31	3	A ₀	
32	3	B ₉	
33	3	A ₂	
34	7	H ₀	
35	2	H ₀	
36	6	H ₅	
37	4	F ₈	
38	3	A ₀	
39	4	A ₃	
40	2	A ₂	
41	5	B ₅	
42	8	H ₀	
43	7	B ₃	
44	4	H ₀	
45	2	H ₀	
46	9	B ₅	
47	4	F ₀	
48	4	A ₂	
49	4	B ₃	H _β + H _γ not seen. Bright?
50	8	B ₉	
51	3	B ₉	
52	2	Ly _α E.	
53	4	A ₀	
54	3	A ₀	Nearly all superseded on 53.

28 - 11°	1576 6	32.7 - 11	54.7	8.0	^✓
29 - 10°	1631 6	33.2 - 10	11.5	8.4	^✓
30 - 9°	1601 6	35.0 - 9	2.1	5.9	^✓
31 - 9°	1606 6	35.6 - 9	25.8	8.4	^✓
32 - 9°	1609 6	36.1 - 9	35.4	8.5	^✓
33 - 8°	1518 6	33.9 - 8	29.9	8.5	^✓
34 - 12°	1566 6	31.0 - 12	50.6	6.8	^✓
35 - 13°	1585 6	32.0 - 13	7.6	8.2	^✓
36 - 13°	1570 6	30.1 - 13	12.0	6.0	^✓
37 - 12°	1547 6	28.3 - 12	29.8	7.8	^✓
38 - 12°	1544 6	27.7 - 12	21.8	9.0	^✓
39 - 12°	1545 6	28.1 - 12	7.3	8.5	^✓
40 - 11°	1547 6	28.7 - 11	53.0	9.0	^✓
41 - 11°	1524 6	26.1 - 11	57.8	8.5	^✓
42 - 12°	1518 6	24.6 - 12	17.2	5.0	^✓
43 - 12°	1520 6	24.7 - 12	27.5	7.2	^✓
44 - 11°	1514 6	23.8 - 11	58.9	7.5	^✓
45 - 12°	1507 6	23.5 - 12	15.9	8.2	^✓
46 - 13°	1519 6	23.9 - 13	3.2	6.3	^✓
47 - 13°	1523 6	24.6 - 13	30.4	7.7	^✓
48 - 12°	1503 6	21.9 - 12	57.5	7.6	^✓
49 - 12°	1500 6	21.6 - 12	57.5	7.7	^✓
50 - 13°	1504 6	21.3 - 13	4.3	7.4	^✓
51 - 12°	1494 6	20.5 - 12	45.2	8.0	^✓
52 - 13°	1483 6	18.2 - 13	9.0	8.0	^✓
53 - 13°	1493 6	19.7 - 13	38.4	8.5	^✓
54 - 13°	1492 6	19.7 - 13	40.7	9.0	^✓

Cards made out.

Monday, April 14, 1913.

B 12672 short disp.

No.	Int.	Class	Remarks
55	6	Ko	
56	2	As	
57	4	B8	
58	2	As	
59	3	B9	
60	7	B8	
61	4	B8	
62	2	As	
63	6	B9	
64	2	B9	
65	8	Ko	
66	3	F5	
67	3	As	
68	2	Ko	
69	2	F8	
70	3	As	

Time: 11.27

55 -14°	1450	6	20.1 -14	31.2	7.0	Λ✓
56 -14°	1453	6	20.5 -14	35.9	8.9	Λ✓
57 -14°	1467	6	22.7 -14	7.1	8.5	Λ✓
58 -14°	1471	6	23.2 -14	16.0	8.7	Λ✓
59 -14°	1481	6	24.4 -14	23.7	9.0	Λ✓
60 -14°	1476	6	23.9 -14	51.7	7.5	Λ✓
61 -15°	1410	6	23.9 -15	0.3	8.8	Λ✓
62 -15°	1402	6	23.0 -15	1.0	9.1	Λ✓
63 -14°	1490	6	26.7 -14	42.2	8.2	Λ✓
64 -14°	1494	6	27.4 -14	40.8	8.8	Λ✓
65 -14°	1526	6	32.7 -14	1.0	5.5	Λ✓
66 -14°	1524	6	32.5 -14	25.6	8.3	Λ✓
67 -14°	1532	6	33.4 -14	36.8	8.8	Λ✓
68 -14°	1515	6	31.3 -14	19.9	8.2	Λ✓

Identified by Amc. June 20, 1913

Checked Nov. 7 1913 *RDW*

Cards made out by S. R. B.

Cards checked by Amc.

✓ 69 -12 1580 6 33.5 -12 32 9.0 326 on B24483
 ✓ 70 -14 1479 6 24.4 -14 56 8.6 232 ..

Monday, April 14, 1913.

Start Time: 11:30

B39861 short disp.

No.	Int.	Class	Remarks
1	3	Hs	
2	1	Hs	
3	7	Ly	
4	1	Hs	
5	6	Ly	
6	3	Fs	
7	3	Ao	
8	2	Ao	
9	4	Bg	
10	6	Bg	
11	1	Ly	
12	1	Ao	
13	4	Hs	
14	3	Ly	
15	2	A2	
16	4	Ly	
17	7	Bg	
18	1	A	
19	4	A5	
20	4	Ao	
21	6	A2	
22	3	Hs	
23	3	Hs	
24	4	Fs	
25	2	Ao	
26	3	Ao	
27	3	Fs	

1	-18°	1498	6	32.7	-18	3.6	7.8 ✓
2	-18°	1495	6	32.2	-18	14.2	8.6 ✓
3	-18°	1492	6	31.5	-18	6.7	4.9 ✓
4	-18°	1487	6	30.9	-18	24.9	8.2 ✓
5	-18°	1480	6	30.0	-18	32.6	6.5 ✓
6	-18°	1481	6	30.0	-18	13.6	8.5 ✓
7	-18°	1476	6	29.5	-18	11.9	8.8 ✓
8	-17°	1542	6	28.5	-17	54.9	8.5 ✓
	-17°	1540	6	28.1	-17	15.7	8.8
9	-16	1506	6	24.4	-16	11.5	8.5 ✓
10	-17°	1528	6	26.4	-17	36.5	7.8 ✓
11	-17°	1533	6	27.0	-17	58.6	8.7 ✓
12	-17°	1526	6	26.0	-17	58.6	9.0 ✓
13	-17°	1521	6	25.6	-17	57.7	6.3 ✓
14	-17°	1515	6	24.3	-17	49.0	8.4 ✓
15	-16°	1511	6	24.8	-16	46.5	9.1 ✓
16	-16°	1504	6	24.0	-16	50.6	8.2 ✓
17	-16°	1500	6	23.2	-16	55.1	7.3 ✓
18	-17°	1513	6	23.4	-17	17.0	9.0 ✓
19	-16°	1506	6	24.4	-16	11.5	8.5 ✓
20	-16°	1513	6	25.0	-16	17.9	8.7 ✓
21	-15°	1423	6	26.2	-15	43.7	8.0 ✓
22	-15°	1416	6	25.4	-15	22.8	8.2 ✓
23	-15°	1407	6	23.5	-15	37.6	8.2 ✓
24	-15°	1406	6	23.4	-15	57.8	9.0 ✓
25	-16°	1498	6	22.5	-16	3.9	9.1 ✓
26	-16°	1491	6	21.6	-16	3.0	9.0 ✓
27	-15°	1399 1400	6	22.5	-15	46.2	9.0 ✓

Cards made out

Monday, April 14, 1913.

B39861 short disp.

No.	Int	Class	Remarks
28	4	A3	
29	2	F2	
30	1	F0	
31	1	F0	
32	2	A2	
33	3	A0	
34	1	F0	
35	1	Fy	
36	7	B9	
37	5	F0	
38	3	A2	
39	4	F0	
40	5	F5	
41	6	F5	
42	2	A0	
43	3	A0	
44	6	B9	
45	3	A2	
46	3	F5	
47	5	A2	
48	8	B9	
49	4	A0	
50	4	A2	
51	1	F2	
52	1	F0	
53	6	F0	
54	3	A5	

28	-14°	1479	6	24.4	-14	56.1	8.6 J
29	-14°	1480	6	24.4	-14	38.9	8.5 J
30	-14°	1489	6	25.9	-14	44.6	8.8 J
31	-14°	1487	6	25.7	-14	25.3	8.8 X
32	-14°	1485	6	25.4	-14	14.5	9.1 J
33	-14°	1493	6	27.2	-14	4.0	8.9 J
34	-15°	1427	6	26.9	-15	25.9	8.8 J
35	-15°	1431	6	27.6	-15	27.7	9.0 J
36	-15°	1448	6	29.3	-15	59.3	8.0 J
37	-15°	1446	6	29.0	-15	53.8	8.2 J
38	-16°	1531	6	28.3	-16	3.8	8.8 J
39	-15°	1437	6	28.3	-15	55.0	8.8 J
40	-15°	1433	6	28.0	-15	54.8	8.7 J
41	-15°	1432	6	27.8	-15	54.0	7.7 J
42	-16°	1524	6	27.4	-16	30.6	9.3
42	-15°	1433	6	28.0	-15	54.8	8.7 J
43	-16°	1537	6	29.5	-16	41.4	8.8 J
44	-16°	1542	6	30.5	-16	14.1	7.9 J
45	-17°	1554	6	30.3	-17	6.8	8.8 J
46	-16°	1546	6	31.3	-16	53.0	8.2 J
47	-17°	1564	6	31.5	-17	5.8	8.3 J
48	-16°	1554	6	32.1	-16	45.0	6.3 J
49	-16°	1558	6	32.5	-16	41.2	8.7 J
50	-16°	1560	6	32.8	-16	31.8	8.2 J
51	-16°	1563	6	33.8	-16	21.0	8.7 J
52	-16°	1564	6	33.9	-16	46.0	9.1 J
53	-17°	1578	6	33.6	-17	9.5	7.8 J
54	-17°	1574	6	33.0	-17	25.4	9.0 J

See DM; how
marked?

Cards made out

Monday, April 14, 1913.

B 39861 short disp

No	Int.	Class	Remark
55	2	A ₀	
56	1	A	
57	3	F ₀	
58	2	K ₂	
59	4	A ₃	
60	6	A ₀	
61	4	A ₀	
62	1	G ₀	
63	8	A ₀	
64	2	A ₀	
65	5	A ₀	
66	1	F ₂	
67	4	A ₂	
68	2	A ₅	
Time: 11.44	69	2	F ₈
	70	1	
	71		

Cont. 133, 148

70

55	-17°	1570	6	32.6	-17	29.1	9.1 ✓
56	-17°	1566	6	32.2	-17	25.7	9.1 ✓
57	-17°	1560	6	30.9	-17	49.6	8.7 ✓
58	-15°	1469	6	34.0	-15	52.4	8.5 ✓
59	-15°	1467	6	33.9	-15	43.5	8.5 ✓
60	-15°	1464	6	32.9	-15	59.9	8.7 ✓
61	-15°	1463	6	32.4	-15	50.5	8.5 ✓
62	-16°	1559	6	32.5	-16	19.3	8.7 ✓
63	-16°	1556	6	32.3	-16	8.1	7.3 ✓
64	-16°	1549	6	31.7	-16	20.4	9.1 ✓
65	-15°	1459	6	31.3	-15	49.1	8.6 ✓
66	-15°	1461	6	31.8	-15	34.7	9.1 ✓
67	-15°	1454	6	30.6	-15	22.8	8.7 ✓
68	-15°	1456	6	31.1	-15	16.5	9.1 ✓
69	-14°	1512	6	30.9	-14	50.8	8.8 ✓

Identified by J. B. M. April 26, 1913

Checked by Amc. April 30, 1913

cards made out by M. C. W.

Cards checked by Amc.

Tuesday, April 15, 1913.

Time: 9.48

B24463 short disp. 6 27 -13.1

No.	Int.	Class	Remarks
1	3	A ₀	
2	3	F ₀	
3	2	F ₅	
4	4	F ₀	
5	2	F ₀	
6	2	G ₅	
7	2	F ₂	
8	2	A ₀	
9	1	F ₀	
10	4	F ₀	
11	7	G ₅	
12	3	F ₅	
13	3	F ₀	
14	4	A ₀	
15	4	A ₀	
16	3	F ₅	
17	2	M _a	
18	7	F ₀	
19	3	B ₉	
20	3	F ₀	
21	2	F ₂	
22	3	F ₅	
23	4	A ₀	
24	3	A ₂	
25	4	A ₀	
26	5	F ₅	
27	4	F ₀	

1	-9°	1435	6	15.4	-9	23.6	9.4	^✓
2	-9°	1439	6	16.1	-9	44.2	9.0	^✓
3	-9°	1449	6	17.2	-9	19.4	9.1	^✓
4	-8°	1416	6	17.1	-8	59.8	8.3	^✓
5	-9°	1452	6	18.1	-9	4.8	9.4	^✓
6	-8°	1428	6	18.9	-8	43.0	9.1	^✓
7	-8°	1431	6	19.0	-8	57.6	9.4	^✓
8	-9°	1463	6	19.5	-9	4.3	9.8	^✓
9	-9°	1467	6	20.3	-9	20.8	9.4	^✓
10	-9°	1469	6	20.3	-9	47.0	9.1	^✓
11	-9°	1475	6	21.5	-9	44.1	8.7	^✓
12	-9°	1476	6	21.6	-9	40.3	9.0	^✓
13	-9°	1477	6	21.7	-9	50.3	9.4	^✓
14	-9°	1478	6	21.9	-9	18.7	9.0	^✓
15	-9°	1479	6	22.1	-9	33.1	9.1	^✓
16	-9°	1481	6	22.2	-9	46.2	9.4	^✓
17	-9°	1484	6	22.5	-9	49.5	9.0	^✓
18	-9°	1486	6	22.6	-9	27.0	8.7	^✓
19	-9°	1489	6	22.7	-9	38.3	9.3	^✓
20	-9°	1490	6	22.9	-9	13.7	9.0	^✓
21 -9° <i>21.2 pos.</i>				23.2	-9	13.5		
				23.4	-9	12.9	9.8	✓
22	-9°	1495	6	23.6	-9	18.1	9.3	^✓
23	-9°	1499	6	24.0	-9	9.5	9.1	^✓
24	-9°	1503	6	24.6	-9	28.8	9.6	^✓
25	-9°	1504	6	24.7	-9	39.0	9.1	^✓
26	-9°	1510	6	25.6	-9	57.5	8.5	^✓
27	-9°	1513	6	26.1	-9	58.8	9.0	^✓

cards made out

Tuesday, April 15, 1913

B 24463 short disp.

No.	Int.	Class	Remark
28	5	A ₀	
29	2	F ₀	
30	4	F ₀	
31	3	A ₀	
32	7	A ₀	
33	2	G ₀	
34	8	F ₅	
35	6	F ₂	
36	2	G ₅	
37	4	A ₀	
38	5	F ₀	
39	4	B ₃	
40	3	F ₂	
41	6	A ₀	
42	1	F ₀	
43	1	F ₀	
44	1	F ₀	
45	2	G ₅	
46	6	A ₃	
47	2	F ₀	
48	2	A ₀	
49	3	A ₀	
50	2	F ₀	
51	3	A ₀	
52	3	A ₂	
53	3	G ₅	Image hazy. Another star superposed?
54	2	F ₀	

28	-10°	1574	6	26.7	-10	16.2	9.0	^J
29	-9°	1576	6	26.4	-9	33.0	9.1	^J
30	-9°	1519	6	27.0	-9	15.1	8.7	^J
31	-9°	1520	6	27.1	-9	19.9	9.3	^J
	-8°	1482	6	28.1	-8	45.8	8.7	
32	-9°	1521	6	27.2	-9	56.4	9.1	✓
	-8°	1482	6	27.2	-8	56.4	9.1	
33	-9°	1521	6	28.2	-9	56.4	9.1	✓
34	-10°	1580	6	27.2	-10	37.2	8.8	^J
35	-10°	1584	6	27.4	-10	45.7	9.1	^J
36	-10°	1583	6	27.4	-10	51.9	9.1	^J
37	-11°	1543	6	28.5	-11	6.7	9.2	^J
38	-10°	1599	6	29.0	-10	51.7	8.5	^J
39	-10°	1602	6	29.4	-10	43.2	9.0	^J
40	-10°	1595	6	28.6	-10	28.3	8.6	^J
41	-10°	1598	6	28.9	-10	20.3	8.7	^J
42	-10°	1601	6	29.1	-10	12.6	9.2	^J
43	-10°	1592	6	28.3	-10	0.4	9.4	^J
44	-10°	1603	6	29.6	-10	58.5	9.5	^J
45	-10°	1604	6	29.8	-10	51.2	9.1	^J
46	-10°	1606	6	30.2	-10	45.8	8.8	^J
47	-10°	1608	6	30.7	-10	46.7	9.2	^J
48	-10°	1611	6	30.9	-10	38.1	9.7	^J
49	-9°	1552	6	31.0	-9	56.0	9.1	^J
50	-9°	1543	6	30.0	-9	45.2	9.0	^J
51	-9°	1559	6	31.7	-9	27.5	9.2	^J
52	-9°	1561	6	32.0	-9	38.5	9.2	^J
53	-9°	1558	6	31.7	-9	38.8	9.1	^J
54	-9°	1568	6	32.5	-9	50.7	9.0	^J

Cards made out

magn. 9.2
superposed

Tuesday, April 15, 1913.

7524463 short exp.

No.	Int.	Class	Remarks
55	3	Sp	
56	2	Sp	
57	6	As	
58	2	Sp	
59	3	Sp	
60	6	Sp	
61	4	Bg	
62	2	Sp	
63	1	A Partly superposed on 61.	
64	5	Bg	
65	3	Bg	
66	2	Sp	
67	1	Sp	
68	4	Sp	
69	3	F2	
70	3	As	
71	2	Sp	
72	4	As	
73	1	As	
74	2	Sp	
75	4	Sp	
76	2	Sp	
77	3	Sp	
78	3	Sp	
79	1	Ma	
80	2	As	
81	3	As	

55	-9°	1573	6	32.8	-9	43.2	8.8	^v
56	-10°	1632	6	33.3	-10	4.7	9.1	^v
57	-10°	1641	6	34.1	-10	0.3	8.8	^v
58	-10°	1642	6	34.2	-10	14.1	9.0	^v
59	-10°	1640	6	34.1	-10	26.3	9.2	^v
60	-10°	1638	6	33.9	-10	41.5	8.7	^v
61	-10°	1635	6	33.6	-10	46.0	9.2	^v
62	-10°	1634	6	33.4	-10	48.2	9.4	^v
63	-10°	1636	6	33.7	-10	54.5	9.8	^v
64	-10°	1628	6	32.9	-10	27.9	9.2	^v 1627 mag. 9.4 -10° 2707 Superposed
65	-10°	1626	6	32.8	-10	40.9	9.0	^v
66	-10°	1624	6	32.8	-10	45.7	8.8	^v
67	-10°	1633	6	33.4	-10	29.6	9.2	^v
68	-11°	1578	6	33.1	-11	12.0	9.0	^v
69	-11°	1581	6	33.3	-11	27.0	9.3	^v
70	Approx. pos (1855)	6	33.4	-11	32			v
71	-11°	1586	6	34.3	-11	12.1	9.2	^v
72	-10°	1646	6	34.6	-10	53.1	9.3	^v
73	-11°	1591	6	34.9	-11	8.1	9.8	^v
74	-11°	1595	6	35.4	-11	13.8	9.4	^v
75	-10°	1662	6	36.5	-10	55.9	9.0	^v
76	-10°	1660	6	36.1	-10	50.1	9.5	^v
77	-10°	1659	6	36.0	-10	32.0	9.4	^v
78	-10°	1663	6	36.5	-10	24.5	8.8	^v
79	-10°	1667	6	36.8	-10	19.9	9.2	^v
80	Approx. pos (1855)	6	36.3	-10	37			v
81	-10°	1666	6	36.7	-10	45.3	9.3	^v

cards made out

Tuesday, April 15, 1913.

B 24463 short disp.

No.	Int.	Class	Remarks
82	6	A	Lines very indistinct.
83	4	A ₀	
84	5	A ₀	
85	4	F ₂	
86	4	A ₂	
87	3	A ₀	
88	7	A ₀	
89	3	F ₀	
90	2	F ₅	
91	2	F ₅	
92	4	A ₀	
93	8	A	
94	7	F ₅	
95	3	A ₀	
96	2	A ₂	
97	3	F ₀	
98	4	A ₂	
99	4	A ₃	
100	2	F ₅	
101	3	A ₂	
101 ^a	3	A	
102	3	F ₀	
103	3	F ₅	
104	2	F ₀	
105	1	A ₀	
106	3	A ₀	
107	4	A ₀	
108	4	A ₀	

82	-10°	1651	6	35.4	-10	22.2	8.9	1✓
83	-9°	1599	6	34.9	-9	57.6	9.0	1✓
84	-9°	1602	6	35.2	-9	44.2	8.9	1✓
85	-10°	1649	6	35.3	-10	6.5	9.0	1✓
86	-10°	1654	6	35.6	-10	9.7	9.1	1✓
87	-10°	1658	6	36.0	-10	2.0	9.8	1✓
88	-9°	1610	6	36.1	-9	56.0	9.0	1✓
89	-9°	1603	6	35.3	-9	46.5	9.0	1✓
90	-9°	1615	6	36.6	-9	56.8	9.0	1✓
91	-10°	1665	6	36.7	-10	10.6	9.1	1✓
92	-9°	1627	6	37.7	-9	37.0	9.4	1✓
93	-9°	1636	6	38.5	-9	49.9	8.5	1✓
94	-9°	1629	6	37.9	-9	14.9	8.2	1✓
95	-9°	1628	6	37.9	-9	6.5	9.1	1✓
96	-9°	1631	6	38.2	-9	8.0	9.3	1✓
97	-8°	1536	6	36.9	-8	54.7	8.9	1✓
98	-8°	1541	6	37.8	-8	31.9	9.5	1✓
99	-8°	1539	6	37.3	-8	16.9	9.0	1✓
100	-8°	1538	6	37.1	-8	16.7	9.0	1✓
101	-7°	1541	6	37.1	-7	58.9	9.3	1✓
101	-8°	1535	6	36.9	-8	27.7	9.1	✓
102	-7°	1535	6	36.1	-7	54.5	9.0	1✓
103	-7°	1534	6	35.8	-7	32.9	9.2	1✓
104	Opposite pos. (1955)	6		36.3	-7	46		✓
105	-7°	1542	6	37.2	-7	46.8	9.5	1✓
106	-7°	1547	6	38.1	-7	50.7	9.7	1✓
107	-7°	1548	6	38.1	-7	45.3	9.3	1✓
108	-7°	1549	6	38.7	-7	45.8	9.5	1✓

Cards made out

Tuesday, April 15, 1913.

B24463 short disp.

	Time	Int.	Class	Remarks
Time: 10.16	109	3	B ₉	
" 10.27	110	1	F ₅	
	111	4	A ₂	
	112	5	B ₉	
marked B24149	113	4	B ₉	
Trail of 112	114	3	B₉	
	115	2	A	
	116	1	F ₅	
	117	2	A ₀	
	118	5	A ₀	
	119	4	B ₉	
	120	4	F ₀	
	121	5	A ₂	
	122	3	F ₅	
	123	2	A ₃	
	124	4	F ₀	
	125	5	A ₀	
	126	4	F ₅	
	127	4	A ₃	
	128	3	F ₀	
	129	8	A ₂	
	130	3	B ₉	
	131	8	F ₀	
	132	2	F ₀	
	133	4	F ₀	
	134	2	F ₀	
	135	1	F ₅	

109	-7°	1550	6	38.9	-7	34.0	9.4	1✓
110	-8°	1517	6	33.8	-8	53.0	9.1	1✓
111	-8°	1516	6	33.7	-8	50.5	9.2	1✓
112	-8°	1515	6	33.6	-8	48.8	8.8	1✓
113	-8°	1514	6	33.6	-8	50.3	8.7	1✓
115	-9°	1592	6	34.3	-9	18.4	9.3	1✓
116	-9°	1593	6	34.5	-9	16.1	9.4	1✓
117	-9°	1596	6	34.6	-9	22.5	9.4	1✓
118	-11°	1568	6	31.5	-11	25.2	9.0	1✓
119	-11°	1562	6	30.8	-11	14.0	9.2	1✓
120	-11°	1561	6	30.8	-11	20.2	8.7	1✓
121	-11°	1558	6	30.4	-11	14.0	9.1	1✓
122	-11°	1553	6	30.0	-11	27.8	8.4	1✓
123	-11°	1552	6	29.5	-11	26.6	9.5	1✓
124	-11°	1551	6	29.3	-11	42.0	9.2	1✓
125	-11°	1548	6	28.9	-11	42.4	9.1	1✓
126	-11°	1546	6	28.6	-11	34.0	8.8	1✓
127	-11°	1539	6	28.2	-11	25.0	9.1	1✓
128	-11°	1531	6	27.0	-11	37.6	9.1	1✓
129	-11°	1529	6	26.9	-11	45.3	8.8	1✓
130	-11°	1530	6	27.0	-11	58.9	9.4	1✓
131	-12°	1540	6	26.8	-12	0.5	8.9	1✓
132	-11°	1521	6	26.0	-11	25.9	9.1	1✓
133	-10°	1572	6	26.2	-10	55.4	8.8	1✓
134	-10°	1575	6	26.7	-10	39.6	9.2	1✓
135	-10°	1565	6	25.0	-10	14.7	9.3	1✓

cards made out

Tuesday, April 15, 1913.

7324463 short ainfo

No.	Int.	Class	Remarks
136	4	F2	
137	4	As	
138	4	As	
139	4	As	
140	3	As	H ₂ + H ₂ P faint for this class. Comp?
141	4	F2	
142	5	F2	
143	5	F2	
144	7	As	
145	3	ly	
146	1	A	
147	2	F2	
148	1	Ma	
149	1	ly	
150	3	ly	
151	2	F2	
152	5	ly	
153	2.2	ly	
154	4	ly	
155	3	As	
156	3	F2	
157	3	As	Partly superposed on 158.
158	4	ly	
159	4	ly	
160	3	ly	
161	2	F2	
162	1	F2	

136 -10°	1559 6	24.5 -10	54.9	8.9	^ ✓
137 -10°	1556 6	23.9 -10	53.0	9.1	^ ✓
138 -11°	1515 6	24.2 -11	12.1	9.3	^ ✓
139 -10°	1551 6	23.2 -10	43.7	9.0	^ ✓
140 -10°	1550 6	23.0 -10	51.0	9.1	^ ✓
141 -10°	1547 6	22.5 -10	20.1	8.8	^ ✓
142 -10°	1546 6	22.2 -10	15.0	8.5	^ ✓
143 -10°	1543 6	21.9 -10	8.2	9.0	^ ✓
144 -10°	1544 6	21.9 -10	15.0	9.1	^ ✓
145 -10°	1536 6	21.5 -10	2.7	9.2	^ ✓
146 -10°	1545 6	21.9 -10	33.9	9.2	^ ✓
147 -10°	1541 6	21.7 -10	19.3	9.0	^ ✓
148 -10°	1533 6	21.1 -10	23.1	9.1	^ ✓
149 -10°	1535 6	21.3 -10	33.4	9.3	^ ✓
150 -10°	1532 6	20.7 -10	40.2	9.2	^ ✓
151 -10°	1528 6	20.2 -10	39.2	9.3	^ ✓
152 -11°	1492 6	20.1 -11	7.7	8.8	^ ✓
153 -11°	1489 6	19.6 -11	12.1	9.4	^ ✓
154 -11°	1486 6	19.0 -11	10.2	9.0	^ ✓
155 -10°	1522 6	19.3 -10	47.8	9.4	^ ✓
156 -10°	1516 6	18.6 -10	33.5	9.1	^ ✓
157 -10°	1513 6	18.4 -10	13.2	9.4	^ ✓
158 -10°	1512 6	18.4 -10	13.1	8.9	^ ✓
159 -10°	1510 6	18.0 -10	20.9	8.8	^ ✓
160 -10°	1508 6	17.8 -10	28.2	8.7	^ ✓
161 -10°	1504 6	17.2 -10	37.7	8.7	^ ✓
162 -10°	1501 6	16.6 -10	41.5	8.9	^ ✓

cards made out

Tuesday, April 15, 1913.

B 24463 short dips.

No.	Int.	Class	Remarks
163	2	Fo	
164	3	A3	
165	2	A2	
166	2	Fo	
167	1	A3	
168	3	Go	
169	1	Fo	
170	1	Fo	
171	1	Rs	
172	4	Ao	
173	1	Rs	
174	3	Go	
175	1	Go	
176	3	A5	
177	5	F2	
178	2	Go	
179	7	F5	
180	3	Go	
181	5	Ao	
182	3	Ao	
183	4	Ao	
184	3	Ao	
185	3	A2	
186	1	Go	
187	1	Rs	
188	2	Rs	
189	4	Fo	

163 -10°	1499 6	16.2 -10	25.2	9.0	^v
164 -10°	1500 6	16.3 -10	35.9	9.2	^J
165 -10°	1495 6	15.2 -10	25.7	9.1	^J
166 -9°	1450 6	17.8 -9	34.0	9.3	^v
167 -9°	1451 6	18.1 -9	27.3	9.5	^v
168 -11°	1464 6	15.7 -11	17.7	9.3	^J
169 -11°	1465 6	15.7 -11	36.2	9.5	^J
170 -11°	1466 6	15.7 -11	44.9	9.4	^J
171 -11°	1469 6	16.3 -11	45.8	9.2	^J
172 -11°	1472 6 1473 6	16.9 -11 16.9 -11	36.4 31.4	9.3 9.6	^J
173 -11°	1474 6	17.0 -11	39.9	9.4	^J
174 -11°	1481 6	18.5 -11	30.2	9.0	^J
175 -12°	1471 6	17.9 -12	6.2	9.5	^J
176 -11°	1485 6	19.0 -11	56.7	9.2	^J
177 -11°	1488 6	19.4 -11	51.6	8.5	^J
178 -12°	1485 6	19.2 -12	1.8	9.2	^v
179 -12°	1481 6	18.6 -12	9.9	8.5	^J
180 -12°	1479 6	18.4 -12	18.2	9.2	^v
181 -12°	1473 6	18.1 -12	34.9	9.1	^v
182 -12°	1474 6	18.2 -12	48.2	9.4	^v
183 -12°	1476 6	18.3 -12	56.2	9.1	^J
184 -13°	1486 6	18.4 -13	7.5	9.5	^J
185 -13°	1482 6	17.9 -13	18.8	9.4	^J
186 -13°	1479 6	17.7 -13	26.0	9.5	^v
187 -13°	1480 6	17.7 -13	32.3	9.5	^J
188 -13°	1476 6	17.2 -13	40.4	9.1	^J
189 -14°	1429 6	17.5 -14	24.9	9.1	^J

cards made out

Tuesday April 15, 1913.

B 24463 short disp.

No.	Int.	Class	Remarks
190	7	A ₀	
191	4	F ₀	
192	5	F ₁	
193	4	A ₀	
194	2.	F ₂	
195	5	A ₂	
196	2	G ₅	
197	2	F ₅	
198	4	A ₀	
199	7	A ₀	
200	1.	F ₁	
10.42	201	1	F ₀
11.45	202	4	A ₀
	203	2	F ₂
	204	1	G ₅
	205	1	F ₅
	206	6	G ₅
	207	2	G ₅
	208	3	F ₀
	209	2	F ₀
	210	2	A ₂
	211	4	G ₅
	212	3	F ₀
	213	6	A ₀
	214	2	A ₃
	215	7	G ₅
	216	3	A ₃

190 -13°	1489	6	18.9	-13	16.0	9.0	1✓
191 -13°	1494	6	19.9	-13	28.1	9.0	1✓
192 -12°	1490	6	19.6	-12	58.9	9.3	1✓
193 -12°	1487	6	19.2	-12	49.5	9.4	1✓
194 -12°	1483	6	19.0	-12	46.7	9.4	1✓
195 -12°	1488	6	19.5	-12	31.2	9.4	1✓
196 -12°	1482	6	18.8	-12	28.7	9.3	1✓
197 -12°	1491	6	19.7	-12	14.0	9.7	1✓
198 -12°	1492	6	20.0	-12	2.0	9.4	1✓
199 -11°	1493	6	20.5	-11	45.2	8.8	1✓
200 -11°	1490	6	19.9	-11	48.1	9.1	1✓
201 -11°	1487	6	19.2	-11	23.5	9.4	1✓
202 -11°	1495	6	21.4	-11	16.1	9.0	1✓
203 -11°	1503	6	22.4	-11	8.8	9.4	1✓
204 -10°	1542	6	21.8	-10	56.4	9.5	1✓
205 -11°	1502	6	22.4	-11	35.1	9.4	1✓
206 -11°	1505	6	22.6	-11	42.3	9.0	1✓
207 -11°	1501	6	22.4	-11	53.3	9.8	1✓
208 -11°	1498	6	21.8	-11	51.2	8.9	1✓
209 -12°	1499	6	21.5	-12	4.2	9.4	1✓
210 <i>Off-axis pos (1855)</i>	6	22.2	-11	58			✓
211 -12°	1506	6	22.9	-12	6.1	9.1	1✓
212 -11°	1572	6	23.4	-11	43.8	9.0	1✓
213 -11°	1510	6	23.3	-11	37.6	9.0	1✓
214 -11°	1508	6	23.2	-11	31.6	9.8	1✓
215 -12°	1519	6	24.7	-12	7.4	8.5	1✓
216 -12°	1517	6	24.3	-12	13.9	9.3	1✓

cards made out

Tuesday, April 15, 1913.

1324463 short aip.

No.	Int	Class	Remark
217	2	A ₀	
218	5	G ₅	
219	6	F ₀	
220	8	F ₅	
221	2	A ₀	Another star supposed on fol. side not in Cat.
222	2	F ₅	
223	3	F ₀	
224	1	A ₀	
225	2	G ₅	
226	6	A ₀	
227	5	A ₂	
228	5	F ₀	
229	4	A ₂	
230	1	F ₀	
231	6	F ₂	
232	8	F ₀	
233	1	F ₀	
234	2	A ₀	
235	4	F ₀	
236	1	F ₅	
237	3	F ₀	
238	3	F ₀	
239	4	A ₀	
240	4	A ₀	
241	4	G ₅	
242	3	F ₅	
243	2	F ₀	

217 -12°	1514	6	24.1 - 12	15.5	10	1.5
218 -12°	1515	6	24.2 - 12	24.9	9.1	1.0
219 -12°	1510	6	23.9 - 12	23.1	9.0	1.1
220 -12°	1516	6	24.2 - 12	44.2	8.8	1.0
221 -12°	1511	6	23.9 - 12	36.8	9.3	1.5
222 -12°	1509	6	23.7 - 12	51.1	9.4	1.5
223 -12°	1505	6	22.9 - 12	53.9	9.1	1.1
224 -13°	1515	6	23.3 - 13	2.1	10	1.0
225 -13°	1518	6	23.5 - 13	24.6	9.2	1.1
226 -13°	1521	6	24.2 - 13	34.4	9.0	1.1
227 -13°	1520	6	24.2 - 13	45.6	9.1	1.1
228 -13°	1517	6	23.5 - 13	41.1	9.0	1.0
229 -14°	1482	6	24.4 - 14	8.3	9.3	1.1
230 -14°	1477	6	24.0 - 14	19.9	9.8	1.0
231 -14°	1480	6	24.4 - 14	38.9	8.5	1.0
232 -14°	1479	6	24.4 - 14	56.1	8.6	1.0
233 -14°	1488	6	24.7 - 14	48.6	9.7	1.0
234 -14°	1475	6	23.8 - 14	40.2	9.8	1.0
235 -14°	1473	6	23.5 - 14	19.7	9.3	1.0
236 <i>Alpha</i> pos (1865)	6		23.4 - 14	28		1
237 -14°	1468	6	23.0 - 14	22.9	9.7	1.0
238 -14°	1465	6	22.4 - 14	30.0	9.7	1.0
239 -14°	1461	6	22.0 - 14	45.5	9.1	1.0
240 -14°	1459	6	21.8 - 14	57.7	9.2	1.1
241 -15°	1396	6	21.9 - 15	16.9	9.0	1.0
242 -14°	1457	6	21.3 - 14	29.1	9.3	1.1
243 -14°	1456	6	20.9 - 14	5.8	9.3	1.0

Cards made out

Tuesday April 15, 1913.

B 24463 to short axis

No.	Int	Class	Remark
244	5	Ao	
245	4	Bg	
246	2	F5	
247	2	Ao	
248	3	Fo	
249	2	F5	
250	3	G ₀	
251	3	F5	
252	2	Ao	
253	3	F5	
254	2	F5	
255	1	Ly	
256	2	Ma	
257	4	F5	
258	6	F8	
259	3	F ₀	
260	3	F ₀	
261	4	Ao	
262	7	F5	
263	3	A2	
264	6	Bg	
265	2	F ₀	
266	3	Ao	
267	2	Ao	
268	4	A2	
269	2	Ao	
270	4	Ly	

244 -14°	1452	6	20.4	-14	6.5	9.2	^J
245 -13°	1507	6	21.7	-13	44.4	9.1	^J
246 -14°	1462	6	22.0	-14	2.1	9.3	^J
247 -14°	1463	6	22.3	-14	2.0	9.4	^J
248 -14°	1464	6	22.3	-14	9.9	9.8	^J
249 -13°	1511	6	22.4	-13	23.8	9.4	^J
250 -13°	1524	6	24.6	-13	23.7	9.0	^J
251 -13°	1526	6	24.9	-13	36.9	9.0	^J
252 -13°	1529	6	25.1	-13	45.5	9.8	^J
253 -13°	1532	6	25.4	-13	37.4	9.3	^J
254 -13°	1525	6	24.8	-13	19.7	9.1	^J
255 -13°	1528	6	25.0	-13	31.5	9.6	^J
256 -14°	1486	6	25.5	-14	2.6	9.0	^J
257 -13°	1534	6	25.7	-13	57.2	9.3	^J
258 -13°	1542	6	26.6	-13	59.6	8.8	^J
259 -13°	1536	6	25.9	-13	12.3	8.9	^J
260 -13°	1537	6	26.0	-13	19.3	9.2	^J
261 -12°	1535	6	26.4	-12	59.2	9.1	^J
262 -12°	1536	6	26.4	-12	47.5	8.5	^J
263 -12°	1539	6	26.8	-12	35.4	9.4	^J
264 -12°	1542	6	27.2	-12	31.6	9.1	^J
265 -12°	³³ 1525	6	26.1	-12	13.0	9.7	^J
266 -12°	1525	6	25.4	-12	20.8	9.7	^J
267 -12°	1532	6	25.8	-12	29.0	10	^J
268 -12°	1530	6	25.7	-12	46.6	9.4	^J
269 -13°	1543	6	26.7	-13	20.9	9.5	^J
270 -13°	1546	6	27.1	-13	33.2	8.9	^J

cards made out

Tuesday, April 15, 1913

B24463 short exp.

No.	Int.	Class	Remarks
271	3	No	
272	2	lys	
273	2	F8	
274	7	A0	
275	7	A0	
276	7	A0	
277	4	lys	
278	3	lys	
279	3	lys	
280	3	A0	
281	2	No	
282	3	F8	
283	5	A2	
284	5	B8	
285	3	lys	
286	3	F8	
287	5	lys	
288	2	No	
289	5	F8	
290	3	No	
291	2	A0	
292	5	lys	
293	3	lys	
294	6	lys	
295	3	A0	
296	1	A2	
297	2	F2	

271	-13°	1545	6	27.0	-13	14.2	9.0	1 ✓
272	-13°	1548	6	27.4	-13	15.3	9.2	1 ✓
273	-12°	1549	6	28.5	-12	57.9	9.3	1 ✓
274	-13°	1556	6	28.7	-13	10.9	8.8	1 ✓
275	-13°	1562	6	29.6	-13	18.8	9.0	1 ✓
276	-13°	1560	6	29.2	-13	38.2	8.5	1 ✓
277	-13°	1559	6	29.1	-13	50.1	9.0	1 ✓
278	-13°	1553	6	28.4	-13	53.8	9.0	1 ✓
279	-13°	1550	6	27.9	-13	56.1	9.5	1 ✓
280	-14°	1495	6	27.8	-14	29.4	9.6	1 ✓
281	-14°	1498	6	28.2	-14	29.8	9.6	1 ✓
282	-14°	1499	6	28.8	-14	26.9	9.3	1 ✓
283	-14°	1501	6	29.3	-14	33.1	9.1	1 ✓
284	-14°	1502	6	29.5	-14	13.1	9.4	1 ✓
285	-14°	1505	6	29.7	-14	14.0	9.3	1 ✓
286	-14°	1506	6	30.0	-14	27.6	9.8	1 ✓
287	-14°	1509	6	30.4	-14	32.9	9.1	1 ✓
288	-14°	1508	6	30.3	-14	16.9	9.6	1 ✓
289	-14°	1511	6	30.5	-14	8.8	8.9	1 ✓
290	-14°	1510	6	30.4	-14	25.5	9.1	1 ✓
291	Approx. pos (1855) 6			30.9	-14	8		✓
292	-13°	1574	6	30.9	-13	52.5	9.0	1 ✓
293	-13°	1572	6	30.5	-13	40.8	9.0	1 ✓
294	-13°	1569	6	30.1	-13	40.2	8.5	1 ✓
295	-13°	1567	6	30.0	-13	42.7	9.2	1 ✓
296	Approx. pos (1855) 6			29.6	-13	40		✓
297	-13°	1561	6	29.5	-13	41.4	9.0	1 ✓

cards made out

Tuesday, April 15, 1913.

B24463 short dips

No.	Int	Class	Remark
298	3	As	
299	5	Bg	
300	2	lys	
301	3	No	
302	2	As	
303	4	As	
304	1	As	The following of two.
305	2	As	
306	4	No	
307	1	As	
308	2	lys	
309	6	No	
310	8	lys	
311	3	lys	
312	5	Bg	
313	5	No	
314	3	lys	
315	2	As	
316	4	Fo	
317	3	No	
318	1	No	
319	3	No	
320	3	lys	
321	1	A	
322	3	lys	
323	5	Fo	Another star superposed at north
324	2	Fo	

298	-13°	1571	6	30.2	-13	20.9	9.1	1 ✓
299	-12°	1556	6	29.4	-12	49.8	9.0	^ ✓
300	-12°	1554	6	29.2	-12	51.7	9.5	^ ✓
301	-12°	1557	6	29.4	-12	43.1	9.0	^ ✓
302	-12°	1553	6	29.1	-12	4.6	9.6	1 ✓
303	-12°	1561	6	30.3	-12	4.7	9.3	1 ✓
304	-11°	1563	6	30.8	-11	53.1	9.8	1 ✓
305	Diff. box, 1905 (1885)		6	30.8	-12	20		✓
306	-12°	1563	6	30.7	-12	33.6	8.7	^ ✓
307	-12°	1564	6	30.8	-12	37.4	9.8	✓
308	-12°	1567	6	31.1	-12	43.4	9.4	1 ✓
309	-12°	1565	6	30.9	-12	42.1	9.0	1 ✓
310	-12°	1562	6	30.4	-12	37.0	8.6	1 ✓
311	-12°	1560	6	30.2	-12	43.2	9.3	1 ✓
312	-12°	1559	6	30.2	-12	43.8	9.0	1 ✓
313	-12°	1571	6	31.7	-12	55.3	8.5	1 ✓
314	-13°	1586	6	32.0	-13	1.1	9.0	1 ✓
315	-13°	1579	6	31.5	-13	7.3	9.8	1 ✓
316	-13°	1581	6	31.7	-13	17.1	9.3	1 ✓
317	-13°	1577	6	31.4	-13	20.5	9.0	1 ✓
318	-13°	1575	6	31.2	-13	32.1	9.2	1 ✓
319	-13°	1580	6	31.5	-13	58.4	8.9	1 ✓
320	-14°	1516	6	31.4	-14	8.7	9.3	1 ✓
321	-14°	1520	6	31.8	-14	7.2	9.8	1 ✓
322	-13°	1587	6	32.4	-13	55.3	9.3	1 ✓
323	-13°	1584	6	31.7	-13	41.5	9.0	1 ✓ 13° magn. 9.5
324	-13°	1594	6	33.0	-13	1.5	9.4	1 ✓ 1583 superposed

cards made out

Tuesday, April 15, 1913.

B24463 short disp.

No.	Int.	Class	Remarks
3257	1	A ₀	
326	6	F ₈	
327	4	A ₀	
328	2	F ₈	
329	2	F ₈	
330	2	G ₅	
331	3	G ₅	
332	1	G ₅	
333	2	A ₀	
334	2	A ₀	
12.10 april 16, 1913 10.00	335	2	F ₈
	336	3	A ₀
	337	3	A ₅
	338	2	F ₀
	339	3	F ₀
	340	2	F ₅
	341	2	A ₀
	342	2	F ₀
	343	2	G ₅
	344	4	A ₀
	345	1	F ₀
	346	1	F ₅
	347	3	B ₉
	348	1	G ₅
	349	2	A ₂
	350	3	B ₉
	351	2	A ₀

325	-12°	1579	6	33.2	-12	54.1	10	1✓
326	-12°	1580	6	33.5	-12	32.5	9.0	1✓
327	-12°	1572	6	31.8	-12	32.7	9.3	1✓
328	-12°	1568	6	31.1	-12	27.5	9.4	1✓
329	-12°	1573	6	31.9	-12	11.5	9.5	1✓
330	-11°	1569	6	31.7	-11	39.3	9.4	1✓
331	-11°	1575	6	32.5	-11	56.7	9.1	1✓
332	-12°	1578	6	33.4	-12	7.8	9.5	1✓
333	-12°	1576	6	32.7	-12	6.7	9.5	✓
334	-12°	1578	6	33.1	-12	7.6	9.5	1✓
335	-12°	1581	6	33.7	-12	47.5	9.2	✓
336	-12°	1583	6	34.1	-12	54.5	9.2	✓
337	-12°	1584	6	34.2	-12	30.1	9.4	1✓
338	-12°	1589	6	34.8	-12	27.8	9.4	1✓
339	-12°	1599	6	36.4	-12	16.1	9.0	1✓
340	-12°	1601	6	36.6	-12	31.3	9.5	1✓
341	-12°	1606	6	37.3	-12	34.5	10	1✓
342	-12°	1610	6	37.9	-12	42.9	9.0	1✓
343	-12°	1611	6	38.0	-12	30.3	9.5	✓
344	-12°	1618	6	38.9	-12	29.3	9.3	✓
345	-12°	1619	6	38.9	-12	10.5	9.3	✓
346	-11°	1623	6	39.0	-11	51.3	9.4	✓
347	-11°	1613	6	37.4	-11	44.3	9.3	1✓
348	Approx pos (1855)	6	37.4	-11	55			✓
349	Approx pos (1855)	6	37.8	-11	57			✓
350	-11°	1603	6	36.4	-11	38.4	9.8	1✓
351	-11°	1598	6	35.8	-11	40.4	9.4	1✓

Cards in a de out

Wednesday, April 16, 1913.

B 24463 short aisp.

No.	Int.	Class	Remarks
352	1	Fo	
353	1	F ₁₅	
354	2	Fo	
355	2	Fo	
356	2	F ₂	
357	2	Fo	
358	3	A ₃	
359	8	A ₁	
360	3	Fo	
361	2	Fo	
362	3	A ₃	
363	3	A ₅	
364	2	A ₂	
365	2	Fo	
366	1	Fo	
367	2	A ₃	
368	4	Fo	
369	4	Fo	
370	4	F ₅	
371	2	A ₃	
372	1	A ₃	
373	2	A ₃	
374	3	ly	Partly superposed on 375.
375	2	ly	" " " 374.
376	2	F ₅	
377	4	F ₈	
378	2	A ₃	

352	-12°	1590	6	34.9	-12	6.2	9.5	1J
353	-11°	1587	6	34.5	-11	49.3	9.8	1J
354	-11°	1585	6	34.2	-11	43.0	9.5	1J
355	-11°	1601	6	36.2	-11	17.9	9.3	1J
356	-11°	1606	6	36.4	-11	16.1	9.5	1J ^{mag. 9.5}
357	-11°	1607	6	36.9	-11	22.2	9.6	1J
358	-11°	1612	6	37.3	-11	11.0	9.3	1J
359	-13°	1625	6	36.9	-13	2.9	8.3	1J
360	-13°	1619	6	36.2	-13	16.2	9.0	1J
361	-13°	1616	6	35.7	-13	7.3	9.2	1J
362	-13°	1617	6	35.7	-13	14.2	9.4	1J
363	-13°	1613	6	35.4	-13	38.7	9.3	1J
364	-13°	1603	6	34.0	-13	25.3	9.7	1J
365	-13°	1598	6	33.4	-13	11.2	9.1	1J
366	-13°	1599	6	33.4	-13	15.8	9.8	1J
367	-13°	1600	6	33.5	-13	23.3	9.5	1J
368	-14°	1529	6	33.1	-14	19.7	8.5	1J
369	-14°	1527	6	32.9	-14	32.5	8.8	1J
370	-14°	1523	6	32.3	-14	42.9	8.8	1J
371	Refined pos (1885)	6	31.4	-14	30			
372	-15°	1452	6	29.9	-15	5.9	10	1J
373	-15°	1449	6	29.6	-15	5.4	9.8	1J
374	-15°	1444	6	29.0	-15	8.8	9.0	1J
375	-15°	1445	6	29.0	-15	11.3	9.2	1J
376	-15°	1441	6	28.8	-15	8.8	9.3	1J
377	-15°	1438	6	28.4	-15	13.1	9.0	1J
378	-15°	1435	6	28.4	-15	20.8	9.3	1J

cards made out

Wednesday, April 16, 1913.

B24463 short airp

No.	Int.	Class	Remarks
379	1	H ₀	
380	2	A ₀	
381	1	H ₀	The following of two.
382	2	H ₅	The s. f. of two
383	2	F ₀	
384	3	H ₂	
385	2	H ₀	
386	2	H ₂	
387	1	A	
388	3	H ₅ E.	
389	3	F ₅ E.	
390	2	A ₂ E.	
391	3	H ₅ E.	
392	2	H ₅ E.	The following of two, marked on the CL. 24147
393	3	H ₅ E.	
394	2	H ₀ E.	
395	2	A ₀ E.	
396	3	A ₀ E.	
397	2	F ₈ E.	
398	3	H ₀ E.	
399	2	A ₂ E.	
400	2	F ₅ E.	
401	3	A ₂ E.	
402	2	F ₅ E.	
403	2	H ₅ E.	
404	2	A ₃ E.	
405	1	H ₅ E.	

379	-15°	1429 6	27.3	-15	8.7	9.4	✓
380	-15°	1428 6	26.7	-15	10.4	9.7	✓
381	-15°	1422 6	26.1	-15	34.3	9.4	✓
382	-15°	1415 6	25.1	-15	32.7	9.2	✓
383	-15°	1408 6	23.8	-15	40.4	9.4	✓
384	-15°	1403 6	23.3	-15	5.3	9.1	✓
385	-15°	1405 6	23.4	-15	11.3	9.4	✓
386	-15°	1400 6	22.9	-15	8.3	9.2	✓
387	-15°	1401 6	23.0	-15	26.0	9.6	✓
388	-15°	1392 6	21.1	-15	41.9	9.0	✓
389	-15°	1386 6	20.6	-15	50.4	9.1	✓
390	-16°	1493 6	21.9	-16	40.1	9.5	✓
391	-16°	1509 6	24.7	-16	36.2	9.0	✓
392	-16°	1510 6	24.7	-16	32.0	9.2	✓
393	-16°	1514 6	25.0	-16	9.8	9.0	✓
394	-16°	1518 6	25.7	-16	1.2	9.3	✓
395	-16°	1517 6	25.7	-16	28.7	9.8	✓
396	-16°	1516 6	25.4	-16	25.1	9.3	✓
397	-16°	1515 6	25.2	-16	22.4	9.2	✓
398	-16°	1526 6	27.8	-16	11.2	9.0	✓
399	-16°	1530 6	28.3	-16	20.7	9.5	✓
400	-16°	1528 6	28.1	-16	3.5	9.2	✓
401	-16°	1523 6	28.4	-16	33.7	9.1	✓
402	-16°	1532 6	28.4	-16	51.1	9.5	✓
403	-16°	1536 6	28.8	-16	54.7	8.8	✓
404	-15°	1453 6	29.9	-15	41.1	9.5	✓
405	-15°	1455 6	30.9	-15	38.9	9.2	✓

cards made out

Wednesday, April 16, 1913.

7324463 short disc.

No.	Int.	Class	Remark
406	2	Fo	E.
407	2	B2	E.
408	4	B0	E.
409	2	B2	E.
410	1	Fo	E.
411	3	F8	E.
412	3	F2	E.
413	2	A0	E.
414	3	Ly	E.
415	2	F2	E.
416	3	B2	
417	4	A2	
418	2	A	
419	1	Fo	
420	1	F	
421	2	A	
422	2	Ly	
423	2	Ma	
424	2	A0	
425	3	A2	
10.20 426	1	F2	
10.42 427	2	Fo	E.
428	3	F5	E.
429	2	A	E.
430	2	Fo	E.
431	3	A	E.
432	3	Fo	E.

406	-15°	1458	6	31.1	-15	58.4	9.1	1✓
407	<i>Alphax</i> (302 ⁽⁸⁵⁸⁾)	6		31.5	-15	40		✓
408	-16°	1549	6	31.7	-16	20.4	9.1	1✓
409	-16°	1547	6	31.6	-16	35.3	9.4	1✓
410	-16°	1553	6	32.1	-16	23.7	9.3	1✓
411	-16°	1559	6	32.5	-16	19.3	8.7	1✓
412	-15°	1469	6	34.0	-15	52.4	8.5	1✓
413	-16°	1569	6	34.5	-16	7.0	9.5	1✓
414	-16°	1572	6	35.2	-16	4.1	9.0	1✓
415	-16°	1573	6	35.4	-16	8.2	9.0	1✓
416	-15°	1473	6	34.3	-15	1.0	9.1	1✓
417	-14°	1537	6	34.4	-14	48.9	9.2	1✓
418	-14°	1538	6	34.5	-14	38.1	9.6	1✓
419	-14°	1535	6	34.3	-14	24.8	9.3	1✓
420	-14°	1553	6	36.3	-14	27.9	9.5	1✓
421	-14°	1561	6	37.4	-14	23.3	9.8	1✓
422	-14°	1557	6	37.1	-14	3.9	9.3	1✓
423	-13°	1626	6	37.0	-13	42.6	8.8	1✓
424	-13°	1632	6	37.8	-13	1.1	9.5	1✓
425	-13°	1635	6	38.0	-13	11.5	9.2	1✓
426	-13°	1639	6	38.5	-13	23.4	9.3	1✓
427	-13°	1647	6	40.5	-13	20.3	8.9	1✓
428	-13°	1670	6	42.7	-13	14.0	9.0	1✓
429	-12°	1627	6	40.6	-12	22.1	9.4	1✓
430	-12°	1629	6	40.9	-12	20.3	9.2	1✓
431	-14°	1577	6	39.7	-14	46.3	9.2	1✓
432	-14°	1569	6	38.9	-14	48.4	8.8	1✓

cards made out

Wednesday, April 16, 1913.

B24463 short circs

No.	Lat.	Class	Remarks
-----	------	-------	---------

433	2	H5	E.
-----	---	----	----

434	1	H5	E.
-----	---	----	----

Time: 10.44

435	2	H2	E.
-----	---	----	----

436	3	G0	
-----	---	----	--

437	3	A0	
-----	---	----	--

433 -14°	1574	6	39.4 - 14	33.1	9.0	11
434 -14°	1568	6	38.8 - 14	22.0	9.2	11
435 -14°	1587	6	40.4 - 14	56.7	9.1	11

Identified by AmC. June 21. 1913

Checked. June 28. 1913 Low

cards made out by M. C. W.

Cards checked by AmC.

✓ 436 -12°	1591	6	35.6 - 12	31	9.1	332 on B24840
✓ 437 -13°	1605	6	34.3 - 13	13	9.3	330

Friday, April 18, 1913.

Time: 10.104

B43640 along disp.

8 10 - 26.8

No.	Int.	Class	Remarks
1	3	A3	E. Por. frans.
2	7	B9	
3	8	A0	
4	3	F5	
5	5	F0	
6	4	A0	
7	2	F2	
8	2	A3	
9	4	F0	
10	1	A0	
11	6	A0	Line 4128, 31 = F.
12	2	B8	
13	7	A0	
14	4	F5	
15	3	A0	
16	3	A3	
17	6	F5	
18	8	A2	
19	3	B8	
20	2	B5	
21	3	B5	
22	3	A0	
23	3	F5	
24	5	B9	
25	3 1	F2	
26	2	F5	
27	1	A0	

1	-29°	6224	8	23.8	-29	32.0	7.8	✓	
2	-28°	6048	8	21.7	-28	48.5	6.9	✓	
3	-28°	5961	8	18.7	-28	33.8	6.8	✓	
4	-28°	5931	8	17.4	-28	34.2	8.0	✓	magn. 9.3 -28° 39' 30" superposed
5	-29°	6041	8	17.4	-29	17.7	7.2	✓	
6	-29°	6079	8	18.6	-29	58.9	7.5	✓	
7	-30°	6167	8	18.5	-30	23.6	7.5	✓	
8	-29°	6089	8	18.9	-29	27.3	8.2	✓	
9	-28°	5917	8	17.0	-28	13.6	7.7	✓	
10	-28°	5900	8	16.2	-28	10.2	8.8	✓	
11	-29°	5976	8	15.2	-29	8.9	7.6	✓	
12	-29°	5957	8	14.6	-29	47.2	8.0	✓	
13	-29°	5887	8	12.6	-29	18.4	7.3	✓	
14	-29°	5836	8	10.9	-29	47.6	7.4	✓	
15	-30°	5917	8	10.0	-30	2.4	7.9	✓	
16	-30°	5918	8	10.0	-30	29.0	7.5	✓	
17	-30°	5946	8	10.9	-30	32.7	6.9	✓	
18	-29°	5738	8	7.7	-29	32.1	6.9	✓	
19	-29°	5713	8	6.9	-29	50.0	7.6	✓	
20	-28°	5624	8	6.9	-28	38.0	8.0	✓	
21	-29°	5674	8	5.7	-29	46.6	7.9	✓	
22	-29°	5663	8	5.3	-29	39.5	8.0	✓	
23	-29°	5620	8	4.1	-29	57.4	7.0	✓	
24	-25°	5530	8	1.7	-25	45.2	7.7	✓	
25	-25°	5458	8	58.8	-25	38.1	7.7	✓	
26	-27°	4894	8	57.5	-27	12.0	7.5	✓	
27	-27	4873	7	56.5	-27	19.4	8.8	✓	

Cards made out

Friday, April 18, 1913

B43040 long disp.

No.	Int.	Class	Remarks
28	5	B ₉	
29	3	A ₀	
30	4	A ₂	
31	4	B ₉	
32	3	B ₅	
33	3	A ₅	
34	5	F ₀	
35	4	A ₀	
36	3	A ₃	
37	2	A ₂	
38	2	A ₀	
39	2	B ₉	
40	3	B ₃	
41	3	A ₀	
42	2	A ₀	
43	2	B ₉	
44	2	B ₉	
45	6	F ₅	
46	8	A ₂	
47	5	B ₃₅	
Time: 10.22	48	B ₉	

49

50

51

49 52 8 B₃50 53 5 A₀51 54 7 F₀

52 5 15

Lines rather narrow

-emb. 138, 194

28	⁶ -25°	5395	7	56.8	⁶ -25	52.1	7.3	J
29	-25°	5466	7	57.1	-25	43.4	8.0	J
30	-25°	5436	7	56.0 58.3	-25	38	7.5	J
31	-24°	6329	8	56.1	-24	37.0	8.1	J
32	-25°	5665	8	4.6	-25	28.8	8.1	✓
33	-24°	6666	8	8.9	-24	33.1	7.5	✓
34	-23°	6974	8	7.9	-23	54.9	7.4	✓
35	-23°	6977	8	8.2	-23	35.0	8.4	✓
36	-23°	6971	8	7.8	-23	7.9	7.7	J
37	-24°	6550	8	4.5	-24	9.0	8.2	J
38	-24°	6545	8	4.3	-24	14.9	8.0	J
39	⁶ -25°	5671	8	6.6	⁶ -25	44.3	8.8	✓
40	-27°	5730	8	6.7	-27	9.2	8.1	J
41	-24°	6769	8	13.0	-24	13.9	7.9	J
42	-24°	6822	8	15.5	-24	44.6	8.2	✓
43	-24°	6857	8	17.1	-24	22.9	8.3	J
44	⁶ -25°	6030	8	20.8	⁶ -25	57.5	8.5	J
45	⁶ -25°	6035	8	21.0	⁶ -25	43.8	7.4	✓
46	-25°	6109	8	22.6	-25	43.5	7.0	J
47	-27°	5512	8	23.0	-27	9.4	7.6	J
48	⁶ -25°	6103	8	24.2	⁶ -25	55.0	7.0	J

Identified by M.C.W. July 28, 1913

Checked by Anne. Aug. 4, 1913

cards made out by M.C.W.

✓ 49	-31	5742	8	9.3	-31	46	6.7	427 on B40080
- 50	-29	5897	8	12.9	-29	37	7.0	139 " "
✓ 51	-26	5988	8	17.5	-25	57	6.5	260 " "
✓ 52	-23	7269	8	18.5	-23	18	7.7	42 on B11036

Saturday, April 19, 1913.

Time: 10.18

B13054 short dirfs

No.	Int	Class	Remarks
1	6	A5	
2	2	B8	
3	8	h5	
4	2	A0	
5	1	A2	
6	3	B9	
7	3	A3	
8	3	A0	
9	3	F0	
10	2	A0	
11	5	Ma	
12	4	h5	
13	2	B9	
14	1	A	
15	3	A0	
16	2	B9	
17	3	F0	
18	3	F5	
19	2	B9	
20	1	F5	
21	2	A0	
22	3	B9	
23	3	F0	
24	2	A3	
25	4	B9	
26	1	A	
27	2	A2	

1	-34°	4365	8	3.3	-34	50.7	7.3	✓
2	-35°	4235	8	3.5	-35	7.3	8.9	✓
3	-35°	4256	8	4.5	-35	5.2	6.8	✓
4	-34°	4404	8	4.7	-34	42.9	8.9	✓
5	-34°	4424 ³⁰	8	5.3 ⁴	-34	37.9 40.3	9.7	✓
6	-34°	4438	8	5.9	-34	36.9	8.5	✓
7	-34°	4442	8	6.0	-34	33.3	8.3	✓
8	-34°	4448	8	6.3	-34	30.6	8.6	✓
9	-35°	4304	8	6.6	-35	4.7	9.0	✓
10	-35°	4308	8	6.8	-35	2.6	9.0	✓
11	-35°	4316	8	7.2	-35	23.2	7.5	✓
12	-35°	4322	8	7.4	-35	21.7	8.3	✓
13	-35°	4302	8	6.5	-35	26.2	9.4	✓
14	CPD-35°	1982	8	5.9	-35	23.1	9.1	✓
15	-35°	4282	8	5.7	-35	24.2	9.0	✓
16	-35°	4284	8	5.7	-35	13.7	9.3	✓
17	-35°	4270	8	5.2	-35	35.9	8.0	✓
18	-35°	4283	8	5.7	-35	51.7	8.0	✓
19	-35°	4261	8	4.7	-35	44.1	9.1	✓
20	-36°	4239	8	4.1	-36	4.3	9.0	✓
21	-36°	4252	8	4.6	-36	9.6	9.5	✓
22	-36°	4270	8	5.4	-36	9.6	9.0	✓
23	-36°	4262	8	5.0	-36	27.8	8.4	✓
24	-36°	4278	8	5.7	-36	13.8	9.3	✓
25	-36°	4284	8	6.1	-36	23.8	8.9	✓
26	-36°	4289	8	6.3	-36	11.8	9.9	✓
27	-36°	4304	8	6.8	-36	15.8	9.5	✓

Saturday, April 19, 1913.

B13054 dust disks

No.	Int.	Class	Remarks
28	7	Ko	
29	2	F5	
30	5	Ao	
31	6	B8	
32	3	F2	Another star superposed on file side
33	2	B9	
34	8	B8	
35	8	B9	Partly superposed on 34.
36	7	B8	
37	8	B8	
38	4	B9	
39	6	A2	
40	1	A	
41	3	Ao	
42	5	Ao	
43	2	Ao	
44	6	B9	
45	7	F2	
46	5	lys	
47	5	B9	
48	2	Ao	
49	3	B9	
50	2	F8	
51	2	Ao	
52	1	F8	
53	2	A2	
54	2	Ao	

28	-36°	4350	8	6.7	-36	25.8	7.5	✓	
29	-35°	4319	8	7.3	-35	44.0	9.1	✓	
C.P. 29	-35°	2049	.	8.6		39.7	8.2		
30	-35°	4338	8	8.8	-35	38.0	9.4	✓	not in C. Wm.
31	-36°	4328	8	8.1	-36	7.9	9.6	✓	
32	-36°	4325	8	7.9	-36	17.8	7.7	✓	-36° 4326 superind 9.5
33	-36°	4331	8	8.2	-36	17.8	9.9	✓	
34	-35°	4344	8	8.6	-35	57.8	8.0	✓	
35	-35°	4346	8	8.7	-35	55.6	8.0	✓	
36	-36°	4348	8	8.8	-36	1.6	8.7	✓	
37	-36°	4358	8	9.4	-36	2.9	8.0	✓	
38	-35°	4364	8	9.5	-35	55.6	8.0	✓	
39	-35°	4368	8	9.6	-35	46.5	8.7	✓	
40	-35°	4379	8	10.2	-35	40.0	9.4	✓	
41	-35°	4389	8	10.8	-35	32.5	9.0	✓	
42	-35°	4388	8	10.7	-35	50.6	8.7	✓	
43	-35°	4382	8	10.4	-35	57.0	9.3	✓	
44	-36°	4385	8	10.7	-36	5.2	8.5	✓	
45	-35°	4401	8	11.3	-35	31.2	6.8	✓	
46	-35°	4406	8	11.5	-35	30.2	7.5	✓	
47	-35°	4414	8	11.8	-35	20.6	9.4	✓	
48	-35°	4416	8	11.8	-35	17.9	9.6	✓	
49	-35°	4425	8	12.4	-35	31.7	9.3	✓	
50	-36°	4160	7	59.5	-36	3.7	8.9	✓	
51	-36°	4166	7	59.8	-36	4.4	9.5	✓	
52	-35°	4161	7	59.7	-35	41.1	9.0	✓	
53	-36°	4172	7	59.9	-36	25.2	8.7	✓	
54	-36°	4184	8	0.8	-36	9.2	9.1	✓	

Saturday, April 19, 1913.

B 13054 short axis

No.	Int.	Class	Remarks
55	3	B ₉	
56	1	F ₃	
57	3	A ₃	
58	1	A ₀	
59	1	A ₂	
60	3	F ₃	
61	4	F ₀	Partly superposed on 60.
62	1	A ₂	
63	1	F ₁	Partly superposed on 62.
64	2	A ₀	
65	1	A ₀	
66	4	T ₃	(Partly superposed on a la. star.)
67	3	T ₃	
68	4	T ₃	
69	4	B ₉	
70	2	T ₃	
71	3	T ₃	
72	1	T ₃	
73	1	A ₀	
74	6	B ₅	
75	5	T ₃	
76	5	A	H, P, & double. Two stars?
77	3	B ₉	
78	4	B ₉	
79	4	A	Another star superposed.
80	2	A	Partly superposed on 79.
81	3	L ₅	

55	-36°	4195	8	1.4	-36	1.0	9.0	✓
56	-36°	4196	8	1.5	-36	3.3	8.2	✓
57	-36°	4205	8	2.1	-36	30.2	8.6	✓
58	-35°	4217	8	2.5	-35	11.8	9.0	✓
59	-35°	4223	8	3.0	-35	38.6	9.5	✓
60	-37°	4271	8	3.1	-37	4.5	8.3	✓
61	-37°	4273	8	3.2	-37	3.8	8.0	✓
62	-37°	4258 ⁶	8	2.3	-37	9.4 10.4	8.8 9.7	✓
63	-37°	4260 ⁵⁸	8	2.5 ³	-37	13.4 9.4	9.9 8.8	✓
64	-36°	4253	8	4.6	-36	49.4	9.3	✓
65	-36°	4257	8	4.7	-36	51.9	9.6	✓
66	-36°	4287	8	6.3	-36	50.9	8.7	✓ -36° 4291 superimposed 6.8
67	-37°	4330	8	6.2	-37	5.2	8.9	✓
68	-37°	4341	8	6.7	-37	5.5	8.7	✓
69	-36°	4309	8	7.1	-36	48.9	8.9	✓
70	-36°	4308	8	7.0	-36	50.9	9.0	✓
71	-37°	4370	8	7.6	-37	9.4	8.9	✓
72	-37°	4365	8	7.4	-37	9.4	9.0	✓
73	-37°	4365 ¹	8	7.4 ³	-37	9.4 3.7	9.0 9.6	✓
74	-37°	4352	8	7.0	-37	0.5	8.5	✓
75	-37°	4359	8	7.2	-37	11.6	8.5	✓
76	-37°	4368	8	7.5	-37	16.9	9.3	✓ -37° 4369 superimposed 9.7
77	-37°	4393	8	8.2	-37	20.6	8.9	✓
78	-37°	4400	8	8.4	-37	23.6	9.0	✓
79	-37°	4413	8	8.9	-37	6.4	9.2	✓
80	-37°	4414	8	8.9	-37	10.0	9.2	✓
81	-37°	4425	8	9.3	-37	18.3	8.6	✓

Saturday, April 19, 1913.

B 13054 short arcs.

No.	Int.	Class	Remarks
82	7	B ₉	
83	1	A	
84	2	B ₉	
85	2	B	Lines barely seen.
86	2	A ₀	
87	3	A ₅	
88	5	A ₀	
89	2	B ₉	
90	2	F ₂	
91	1	A ₂	
92	2	A ₂	
93	3	A ₀	
94	3	A ₀	
95	6	A ₀	
96	7	A ₀	
97	1	F	
98	3	F ₁	
99	3	F ₈	
100	7	A ₀	
101	5	A ₀	
102	3	A ₀	
103	3	B ₉	
104	2	F ₅	
105	4	A ₀	
106	7	F ₅	
107	9	F ₀	
108	5	F _{1/2}	

82	-37°	4420	8	9.2	-37	20.6	8.8	✓
83	-37°	4417	8	9.1	-37	32.3	9.0	✓
84	-37°	44 ³⁶ 42	8	10.1 ^{9.9}	-37	32.5 ^{29.0}	8.0 ^{9.0}	✓
85	-36°	4390	8	10.9	-36	44.1	9.0	✓
86	-36°	4401	8	11.4	-36	52.8	9.5	✓
87	-37°	4487	8	11.9	-37	4.7	8.7	✓
88	-36°	4423	8	12.5	-36	43.3	8.7	✓
89	-36°	4418	8	12.1	-36	33.2	9.4	✓
90	-36°	4414	8	12.0	-36	15.5	8.1	✓
91	-35°	4420	8	12.1	-35	58.0	9.7	✓
92	-36°	4438	8	13.3	-36	9.5	9.5	✓
93	-36°	4441	8	13.4	-36	30.0	9.2	✓
94	-35°	4474	8	14.5	-35	31.0	9.3	✓
95	-35°	4460	8	13.8	-35	7.9	9.0	✓
96	-34°	4632	8	15.0	-34	55.7	7.9	✓
97	-34°	4583	8	12.7	-34	46.3	8.4	✓
98	-35°	4428	8	12.5	-35	6.4	8.6	✓
99	-34°	4568	8	12.1	-34	28.5	8.2	✓
100	-34°	4573	8	12.3	-34	6.7	7.5	✓
101	-33°	4800	8	13.0	-33	56.7	8.3	✓
102	-34°	4472	8	7.6	-34	41.5	8.7	✓
103	-34°	4487	8	8.2	-34	46.3	8.7	✓
104	-35°	4337	8	8.2	-35	1.6	8.5	✓
105	-34°	4493	8	8.6	-34	59.9	8.6	✓
106	-34°	4504	8	9.1	-34	49.9	7.1	✓
107	-35°	4365	8	9.5	-35	6.7	6.4	✓
108	-35°	4380	8	10.2	-35	18.4	7.5	✓

Saturday, April 19, 1913.

B 13054 short disc.

No.	Int.	Class	Remarks
109	2	B	Almost cont.
110	5	A ₀	
111	3	F ₅	
112	4	A ₂	
113	2	M ₀	
114	2	A ₀	
115	6	A ₀	E.
116	3	A ₃	E.
117	7	F ₀	
118	5	A ₀	
119	2	A ₀	
120	1	F ₁	
121	3	A ₀	
122	3	F ₂	
123	2	M ₅	
124	3	A ₀	
125	5	A ₂	
126	4	F ₂	
127	2	A ₀	
128	4	A ₀	
129	5	A ₅	
130	6	A ₀	
131	7	F ₀	
132	2	F ₅	
133	1	A	Partly superposed on 134.
134	1	A ₀	
135	4	F ₀	

109	-35°	4396	8	11.1	-35	15.4	9.0	✓
110	-34°	4501	8	9.0	-34	21.7	8.1	✓
111	-34°	4508	8	9.4	-34	24.7	8.5	✓
112	-33°	4680	8	8.4	-33	56.5	8.5	✓
113	-34°	4488	8	8.3	-34	11.9	7.3	✓
114	-34°	4471	8	7.6	-34	6.6	8.7	✓
115	-33°	4582	8	3.2	-33	39.6	7.8	✓
116	-33°	4619	8	5.3	-33	40.0	8.3	✓
117	-36°	4148	7	58.9	-36	47.3	9.1	✓
118	-36°	4149	7	59.0	-36	57.3	8.6	✓
119	-37°	4189	7	58.7	-37	12.8	8.7	✓
120	-37°	4220	8	0.1	-37	11.5	8.8	✓
121	-37°	4188	7	58.7	-37	50.3	8.8	✓
122	-38°	4011	7	59.6	-38	4.1	8.3	✓
123	-38°	3998	7	58.9	-38	16.9	7.7	✓
124	-37°	4162	7	57.3	-37	46.9	8.7	✓
125	-38°	3963	7	57.4	-38	8.2	8.4	✓
126	-38°	3939	7	56.4	-38	22.9	7.8	✓
127	-38°	3930	8 7	56.1	-38	39.6	9.0	✓
128	-38°	3909	7	55.2	-38	49.6	8.3	✓
129	-38°	4048	8	0.8	-38	42.2	7.7	✓
130	-38°	4059	8	1.5	-38	47.7	8.2	✓
131	-38°	4064	8	1.8	-38	31.8	7.2	✓
132	-38°	4080	8	2.6	-38	41.5	8.7	✓
133	-38°	4087	8	2.9	-38	29.3	9.0	✓
134	-38°	4088	8	2.9	-38	33.5	9.4	✓
135	-38°	4108	8	3.8	-38	31.8	8.1	✓

Saturday, April 19, 1913.

B13054 short circ.

No.	Int.	Class	Remarks
136	1	G5	
137	5	G10	
138	5	F5	
139	2	F5	
140	3	B9	
141	4	A0	
142	1	F5	
143	1	F2	
144	5	A0	
145	4	B8	
146	3	F0	
147	4	B8	
148	7	A2	
149	6	A0	
150	3	B8	
151	2	B9	
152	5	B9	
153	4	B9	
154	2	B9	
155	2	A0	
156	3	B8	
157	2	A0	
158	1	F5	
159	4	B9	
160	2	F2	
161	1	A0	
162	2	A0	

136	-38°	4110	8	4.1	-38	47.4	9.5	✓
137	-39°	4040	8	4.6	-39	9.1	8.3	✓
138	-39°	4064	8	6.1	-39	17.5	8.0	✓
139	-39°	4087	8	7.1	-39	0.7	8.7	✓
140	-38°	4186	8	8.8	-38	40.9	8.7	✓
141	-37°	4362	8	7.3	-37	34.0	8.5	✓
142	-38°	4241	8	12.0	-38	15.6	8.3	✓
143	-38°	4242	8	12.0	-38	24.8	8.0	✓
144	-38°	4258	8	12.7	-38	45.5	8.3	✓
145	-38°	4265	8	13.2	-38	42.9	8.4	✓
146	-38°	4272	8	13.4	-38	26.3	8.7	✓
147	-38°	4284	8	14.0	-38	22.3	8.5	✓
148	-38°	4285	8	14.1	-38	17.3	7.9	✓
149	-37°	4546	8	14.6	-37	46.9	8.0	✓
150	-37°	4526	8	13.7	-37	33.4	9.0	✓
151	-37°	4530	8	13.9	-37	22.5	8.9	✓
152	-37°	4523	8	13.5	-37	5.2	8.5	✓
153	-36°	4506	8	16.3	-36	12.1	9.8	✓
154	-36°	4511	8	16.6	-36	26.8	9.0	✓
155	-36°	4504	8	16.2	-36	49.1	9.3	✓
156	60 -37°	2243	8	16.8	-37	0.2	8.6	Not in 62M unless away out in R.A. or Dec. might be -36° 45' 17" 10"
157	-37°	4583	8	16.7	-37	6.5	9.5	✓
158	-37°	4612	8	17.8	-37	14.1	8.5	✓
159	-37°	4619	8	18.0	-37	23.9	9.3	✓
160	-37°	4599	8	17.1	-37	48.4	8.3	✓
161	-37°	4581	8	16.6	-37	44.9	9.3	✓
162	-38°	4346	8	17.0	-38	2.4	9.0	✓

Saturday, April 19, 1913.

B13054 short arcs.

No.	Int.	Class	Remarks
163	4	B ₈	
164	3	B ₈	
165	3	A ₃	
166	3	B ₈	
167	6	Ma	
168	6	B ₈	
169	3	F ₀	
170	3	F _{1/2}	
171	4	A ₀	
172	3	F _{1/5}	
173	2	F _{1/5}	
174	3	B ₇	Lines very indistinct.
175	3	A ₀	
176	3	F ₅	
177	5	A ₂	
178	1	F	
179	1	F ₅	
180	8	A ₂	
181	6	A ₃	
182	3	F ₈	
183	3	A ₃	
184	7	B ₉	
185	3	A ₃	
186	5	A ₀	
187	4	A ₂	
188	10	F ₀	
189	5	A ₂	

163	-38°	43 ⁶¹ 46	8	17.6	-38	7.9 2.4	8.5 9.2 ✓
164	-38°	4370	8	18.2	-38	29.5	8.5 ✓
165	-37°	462 ⁶ 5	8	18.1	-37	54.4	9.4 ✓
166	-37°	4633	8	18.4	-37	49.9	8.9 ✓
167	-37°	4638	8	18.7	-37	52.9	6.9 ✓
168	-38°	4389	8	19.0	-38	2.7	7.9 ✓
169	-37°	4687	8	21.1	-37	24.7	8.5 ✓
170	-37°	4711	8	22.4	-37	31.8	7.5 ✓
171	-37°	4736	8	23.5	-37	18.8	8.5 ✓
172	-36°	4648	8	22.4	-36	30.7	7.3 ✓
173	-36°	4643	8	22.2	-36	15.7	7.7 ✓
174	-36°	4649	8	22.5	-36	14.5	8.8 ✓ 36° 4646 superposed 9.0
175	-36°	4654	8	22.8	-36	15.5	8.5 ✓
176	-36°	4664	8	23.5	-36	19.0	8.5 ✓
177	-36°	4672	8	23.9	-36	7.7	8.5 ✓
178	-35°	4600	8	20.8	-35	17.7	8.9 ✓
179	-35°	4586	8	20.1	-35	12.4	8.7 ✓
180	-35°	4570	8	19.4	-35	5.9	7.4 ✓
181	-34°	4747	8	19.3	-34	33.7	7.6 ✓
182	-34°	4718	8	18.2	-34	33.7	8.2 ✓
183	-34°	4722	8	18.4	-34	16.5	8.2 ✓
184	-34°	4668	8	16.3	-34	29.8	8.0 ✓
185	-34°	4674	8	16.6	-34	4.5	8.3 ✓
186	-33°	4922	8	17.7	-33	31.4	8.7 ✓ ^{magn. 9.3} -33° 4921 superposed
187	-32°	5204	8	17.2	-32	57.6	8.3 ✓ ^{magn. 9.1} -32° 5202 superposed
188	-32°	5185	8	16.5	-32	39.3	5.7 ✓
189	-32°	5139	8	14.5	-32	58.3	8.0 ✓

Saturday, April 19, 1913.

B13054 short dips

No.	Int.	Class	Remarks
-----	------	-------	---------

190	2	A ₀	
-----	---	----------------	--

191	1	A ₁	
-----	---	----------------	--

192	3	A ₂	
-----	---	----------------	--

193	10	A ₀	
-----	----	----------------	--

194	5	A ₂	E.
-----	---	----------------	----

195	3	A ₂	E.
-----	---	----------------	----

196	8	A ₂	E.
-----	---	----------------	----

197	3	A ₀	E.
-----	---	----------------	----

198	3	A ₃	E.
-----	---	----------------	----

199	4	B ₉	
-----	---	----------------	--

11.15	200	6	B ₈ E.
-------	-----	---	-------------------

201	3	B	Perhaps: B ₈
-----	---	---	-------------------------

202	4	B ₈	
-----	---	----------------	--

203	4	B ₉	
-----	---	----------------	--

190	-33°	4854	8	14.9	-33	12.4	9.0	✓
191	-33°	4844	8	14.6	-33	20.5	8.0	✓
192	-33°	4830	8	14.1	-33	39.3	8.6	✓
193	-32°	5087	8	12.6	-32	28.9	7.8	✓
194	-32°	5076	8	12.2	-32	37.3	8.2	✓
195	-32°	4997	8	8.7	-32	55.4	7.9	✓
196	-33°	4705	8	8.8	-33	11.5	7.0	✓
197	-32°	4990	8	8.4	-32	35.7	8.8	✓
198	-32°	4950	8	6.4	-32	46.9	8.3	✓
199	-32°	4930	8	5.5	-32	39.9	8.3	✓
200	-32°	4905	8	4.1	-32	52.9	7.9	✓

Identified by J.C.M. Dec. 17, 1913

Checked by Amc. Jan. 8, 1914

Cards made out by B.R.B.

Cards checked by Amc.

✓	201	-36	4114	7	57.0	-36	51	8.5	53 on B4-908
✓	202	-36	4479	8	15.2	-36	48	8.5	68 on B8897
✓	203	-40	4084	8	14.2	-40	1	8.2	100

Monday Sept. 22, 1913.
B38418 short

12.10	No.	Dist.	Class	Remarks
m.a.g. Rec.	1	3	A2	
	2	4	A3	
	3	2	A5	
	4	14	K0	another star super. at north
	5	2	A5	
	6	7	B9	
	7	3	G5	
	8	5	A0	
	9	3	A3	
	10	1	A0	
	11	4	A0	
	12	1	A2	
	13	3	A2	
	14	3	K2	
	15	1	G5	
	16	2	A2	
	17	4	A2	
	18	3	A2	Partly super. on 19
	19	6	A0	
	20	3	A2	
	21	1	A2	
	22	5	A2	
	23	1	K0	
	24	3	A0	
	25	3	B8	
	26	1	A	another star super
	27	1	A	

1	-43°	4839	8	55.9	-43	25.6	9.0	1✓	
2	-43°	4848	8	56.3	-43 ³	21.8	9.0	1✓	
3	-43°	4849	8	56.3	-43 ³	3.8	9.3	1✓	
4	-43°	4856	8	56.9	-43	12.6	9.2	1✓	-43° 4859 ¹ superfund 9.8
5	-43°	4864	8	57.4	-43	20.0	9.5	1✓	
6	-43°	4873	8	57.9	-43	28.6	8.6	1✓	
7	-43°	4861	8	57.0	-43	45.7	8.8	1✓	
8	-43°	4877	8	58.3	-43	44.9	8.5	1✓	
9	-43°	4878	8	58.4	-43	55.6	9.2	1✓	
10	-44°	5069	8	58.5	-44	2.7	9.8	1✓	
11	-44°	5064	8	58.3	-44	8.9	8.6	1✓	
12	-44°	5073	8	58.9	-44	25.2	9.8	1✓	
13	-44°	5096	89	0.3	-44	5.5	9.1	1✓	
14	-44°	5097	9	0.3	-44	18.6	8.0	1✓	
15	-44°	5099	9	0.5	-44	28.3	9.3	1✓	
16	-44°	5102	9	0.6	-44	33.4	9.6	1✓	
17	-44°	5112	9	1.0	-44	34.2	9.3	1✓	
18	-44°	5114	9	1.2	-44	37.0	9.4	1✓	
19	-44°	5115	9	1.2	-44	39.6	8.8	1✓	
20	-44°	5121	9	1.4	-44	58.6	9.6	1✓	
21	-45°	4855	9	1.5	-45	5.8	9.8	1✓	
22	-44°	5125	9	1.6	-44	56.2	8.8	1✓	
23	-45°	4870	9	2.5	-45	10.0	9.2	1✓	
24	-45°	4871	9	2.6	-45	22.3	9.4	1✓	
25	-44°	5130	9	2.0	-44	36.5	9.5	1✓	
26	-44°	5123	9	1.5	-44	32.1	9.8	1✓	-44° 5122 ^{10.0} superfund
27	-44°	5120	9	1.4	-45 ⁴	28.2	9.9	1✓	

Monday Sept. 22, 1913.
B 38 418

No	Int.	Class	Remarks
28	1	K0	
29	3	F0	
30	2	G5	
31	1	F0	
32	5	A3	
33	1	K5	
34	1	F8	
35	2	F0	
36	3	A0	
37	3	B8	
38	9	B5	
39	4	B8	
40	2	A5	Partly super. on 41.
41	3	K2	
42	7	A0	
43	3	F0	
44	2	B	almost continuous
45	3	A3	
46	5	F5	
47	2	A2	
48	1	A	Partly super. on 47.
49	3	F5	
12.18	50	F5	
11.17 Sept 23.	51	mL	
m. a. g.	52	K0	
	53	B8	
	54	A0	

28	-44°	5118	9	1.3	-44	13.0	9.7	1✓
29	-43°	4924	9	1.2	-43	42.0	9.4	1✓
30	-43°	4934	9	1.9	-43	22.5	9.7	1✓
31	-43°	4939	9	2.1	-43	30.8	9.8	1✓
32	-43°	4952	9	2.8	-43	27.3	8.9	1✓ -43° 4954 9 2.9-43 27.5 magn. 10 superposed
33	-43°	4957	9	3.1	-43	39.2	9.0	1✓
34	-43°	4958	9	3.1	-43	40.3	9.8	1✓
35	-43°	4964	9	3.5	-43	42.9	9.9	1✓
36	-43°	4969	9	3.8	-43	53.6	9.5	1✓
37	-44°	5156	9	3.5	-44	3.3	9.2	1✓
38	-44°	5150	9	3.2	-44	7.6	7.2	1✓
39	-44°	5160	9	3.6	-44	38.2	8.9	1✓
40	-44°	5178	9	5.0	-44	10.4	9.8	1✓
41	-44°	5177	9	5.0	-44	3.6	8.3	1✓
42	-43°	4995	9	5.4	-43	40.2	8.1	1✓
43	-43°	4987	9	4.8	-43	16.6	9.1	1✓
44	-43°	4989	9	5.0	-43	22.7	9.0	1✓
45	-43°	4996	9	5.5	-43	25.2	9.3	1✓
46	-43°	5015	9	6.6	-43	32.6	8.7	1✓
47	-43°	5019	9	6.8	-43	48.5	9.7	1✓
48	-43°	5020	9	6.8	-43	54.0	9.9	1✓
49	-43°	5032	9	7.4	-43	40.8	9.0	1✓
50	-43°	5035	9	7.4	-43	32.6	9.6	1✓
51	-43°	5040	9	7.8	-43	16.0	8.6	1✓
52	-43°	5039	9	7.7	-43	9.6	9.1	1✓
53	-43°	5041	9	7.9	-43	5.8	6.7	1✓
54	-42°	5065	9	8.2	-42	58.6	8.9	1✓

Tuesday Sept. 23, 1913
1338 418

No	Int.	Class	Remarks
55	5	A0	
56	2	K2	
57	1	G5	
58	1	K0	Another star super. at south?
59	2	F5	
60	3	A2	
61	2	A0	Partly super. on 62.
62	8	A2	
63	6	F0	
64	1	A0	
65	3	A2	
66	5	A0	
67	2	K2	
68	2	K5	
69	9	K0	
70	6	G0	
71	5	F2	
72	1	A0	
73	5	A5	
74	2	A3	
75	4	F0	
76	8	A5	
77	1	A	
78	1	A2	
79	2	A3	
80	3	A.0.	
81	1	F0	

55	-42°	5059	9	7.9	-42	46.8	9.0	✓	
56	-42°	5058	9	7.8	-42	26.2	9.0	✓	
57	-42°	5047	9	6.8	-42	56.8	9.7	✓	
58	-43°	5026	9	7.2	-43	12.0	9.2	✓	-43° 5025 ¹ supersound ^{9.9}
59	-43°	5026 ³¹	9	7.2 ³	-43	12.0 ^{7.0}	9.2	✓	
60	-43°	5007	9	6.1	-43	1.6	9.7	✓	
61	-42°	5037	9	6.2	-42	47.5	9.9	✓	
62	-42°	5038	9	6.3	-42	45.3	7.5	✓	
63	-42°	5040	9	6.5	-42	45.6	8.2	✓	
64	-42°	5035	9	6.1	-42	55.7	9.9	✓	
65	-42°	5032	9	6.0	-42	34.3	9.8	✓	
66	-42°	5055	9	7.6	-42	4.8	9.1	✓	
67	-42°	5064	9	8.2	-42	1.2	8.7	✓	
68	-42°	5068	9	8.6	-42	0.0	9.0	✓	
69	-41°	4904	9	8.6	-41	46.2	6.9	✓	
70	-41°	4907	9	9.1	-41	47.7	8.3	✓	
71	-41°	4918 ⁵	9	9.3 ⁴	-41	57.7 ²	8.3	✓	
72	-41°	4916	9	9.6	-41	55.2	9.6	✓	
73	-41°	4909	9	9.2	-41	32.7	8.7	✓	
74	-41°	4914	9	9.4	-41	35.9	9.8	✓	
75	-41°	4917	9	9.6	-41	42.7	9.3	✓	4918 9 7.7-01 38.9 mag 9.3 sup
76	-41°	4921	9	9.8	-41	21.7	7.8	✓	
77	-41°	4930	9	10.3	-41	17.7	9.9	✓	
78	-41°	4940 ⁴⁹	9	11.0 ^{11.0}	-41	31.2 ^{31.2}	9.6	✓	
79	-41°	4937	9	10.9	-41	38.6	9.8	✓	
79	-41°	4941	9	11.4	-41	51.7	9.5	✓	
80	-41°	4948	9	11.9	-41	44.7	9.0	✓	
81	-41°	4956	9	12.2	-41	59.8	9.5	✓	

Tuesday Sept. 23, 1913
B 38 418

No	Int.	class	Remarks
82	3	B9	
83	3	F0	
84	3	A2	
85	1	A	Partly super. on 84.
86	1	F0	
87	3	K0	
88	7	K0	
89	2	A3	
90	10	B8	Burned out.
91	1	A2	
92	1	A0	
93	1	A0	
94	1	K0	
95	1	A2	
96	2	K0	
97	10	B9	Burned out
98	2	G5-	
99	1	F0	
100	2	A0	
101	1	G5	
102	10+	B?	Burned out.
103	5	F0	
104	4	B9	
105	1	A3	
106	2	A3	
107	1	A0	
108	1	F0	

82	-41°	4961	9	12.5	-41	54.7	9.7	^✓
83	-42°	5105	9	10.7	-42	14.8	9.3	^✓
84	-42°	5109	9	11.2	-42	29.6	9.3	^✓
85	-42°	5112	9	11.3	-42	26.9	9.7	^✓
86	-42°	5103	9	10.5	-42	37.6	9.9	^✓
87	-42°	5102	9	10.5	-42	54.8	9.3	^✓
88	-42°	5095	9	10.1	-42	57.0	7.6	^✓
89	-43°	5079	9	10.2	-43	7.0	9.6	^✓
90	-42°	5086	9	9.8	-42	42.6	5.9	^✓
91	-42°	5084	9	9.7	-42	29.8	9.9	^✓
92	-42°	5075	9	8.9	-42	15.8	9.9	^✓
93	-42°	5071	9	8.7	-42	45.6	9.9	^✓
94	-42°	5073	9	8.7	-42	57.4	9.8	^✓
95	-43°	5071	9	10.0	-43	18.6	10	^✓
96	-43°	5072	9	10.0	-43	20.8	8.7	^✓
97	-43°	5068	9	9.5	-43	37.8	6.5	^✓
98	-43°	5053	9	8.6	-43	43.5	9.7	^✓ -43° 5054 9 8.6 -43 44.2 mag 10.0 su/period
99	-43°	5042	9	7.9	-43	46.9	9.8	^✓
100	-43°	5036	9	7.5	-43	47.8	9.6	^✓
101	-44°	5220	9	7.1	-44	2.0	9.4	^✓
102	-44°	5206	9	6.5	-44	21.4	5.6	^✓
103	-44°	5210	9	6.7	-44	26.3	8.2	^✓
104	-44°	5251	9	9.0	-44	4.0	9.1	^✓
105	-44°	5262	9	9.5	-44	0.1	9.9	^✓
106	-44°	5276	9	10.0	-44	6.9	10	^✓ -44° 5275 9 10.0 -44 8.2 mag 10.0 su/period
107	-44°	5279	9	10.2	-44	18.6	9.9	^✓
108	-44°	5284	9	10.5	-44	13.0	9.9	^✓

Tuesday Sept. 23, 1913.
B 38418

No	Int.	Class	Remarks
109	3	B9	
110	4	A0	
111	1	K0	
112	10	B	Burned out.
113	1	K0	
114	1	A0	
115	6	A0	
116	2	G0	
117	3	K0	
118	1	K0	
119	7	B8	
120	3-2	A0	
121	3	A2	
122	1	A0	
123	2	A3	
124	9	F5	
125	2	A2	
126	1	G5	
127	2	A0	
128	2	A3	
129	10	A	Burned out.
130	2	B8	
131	2	A2	
132	2	A2	
133	1	A	
134	1	G	Parity super. on 135.
135	4	F8	

109	-44°	5281	9	10.3	-44	6.1	9.3	✓
110	-44°	5295	9	10.9	-44	23.1	9.0	✓
111	-44°	5299	9	11.1	-44	24.3	9.0	✓
112	-44°	5305	9	11.5	-44	23.0	6.7	✓
113	-44°	5167	9	4.3	-44	59.8	9.3	✓
114	-44°	5167 ⁷⁶	9	4.3 ⁹	-44	57.4	9.5	✓
115	-45°	4906	9	5.1	-45	0.8	8.7	✓
116	-45°	4916	9	5.9	-45	23.0	9.1	✓
117	-45°	4918	9	6.2	-45	4.0	8.7	✓
118	-44°	5200	9	6.4	-44	48.0	9.6	✓
119	-44°	5228	9	7.4	-44	43.3	8.4	✓
120	-44°	5233	9	7.7	-44	57.1	9.2	✓
121	-45°	4928	9	6.9	-45	29.2	9.3	✓
122	-45°	4929	9	7.1	-45	33.7	9.6	✓
123	-45°	4930	9	7.2	-45	43.3	9.3	✓
124	-45°	4935	9	7.8	-45	20.2	7.2	✓
125	-45°	4944	9	8.3	-45	27.7	9.3	✓
126	-45°	4957	9	9.3	-45	40.5	9.4	✓
127	-45°	4975	9	10.3	-45	25.8	9.7	✓
128	-45°	4991	9	11.2	-45	29.8	9.4	✓
129	-45°	4982	9	10.7	-45	2.3	6.5	✓
130	-45°	4971	9	10.1	-45	3.7	9.4	✓
131	-45°	4956	9	9.2	-45	0.1	9.3	✓
132	-44°	5252	9	9.2	-44	53.0	9.5	✓
133	-44°	5258	9	9.3	-44	43.8	9.8	✓
134	-44°	5264	9	9.5	-44	31.4	9.3	✓
135	-44°	5269	9	9.7	-44	33.2	9.0	✓

Tuesday Sept. 23, 1913.
13 38418

No	Int.	class	Remarks
136	3	A0	
137	8	A0	
138	3	A0	
139	1	F8	
140	2	A5	
141	2	A0	Partly super. on 142.
142	7	B8	
143	2	B8	
144	1	A	
145	1	A2	
146	2	K0	
147	4	A0	
148	2	B9	
149	2	F8	
150	3	A0	
151	2	A3	
152	1	A	
153	2	A0	
154	2	A2	
155	1	F2	
156	6	A0	
157	2	F2	
158	3	B9	
159	6	K0	
160	1	K0	
161	5	A3	
162	4	A0	

136	-44°	5315	9	12.0	-44	33.4	9.3	✓
137	-44°	5319	9	12.4	-44	29.3	7.3	✓
138	-44°	5326	9	12.8	-44	12.4	9.4	✓
139	-44°	5330	9	13.0	-44	20.2	9.6	✓
140	-44°	5338	9	13.2	-44	57.8	9.4	✓
141	-45°	5025 ⁴	9	13.5 ⁴	-45	6.2 7.0	9.5 7.4	✓
142	-45°	5025	9	13.5	-45	7.0	7.4	✓
143	-45°	5009	9	12.8	-45	45.0	9.4	✓
144	-45°	5022	9	13.3	-45	34.4	9.4	✓
145	-45°	5039	9	14.1	-45	37.0	9.6	✓
146	-45°	5033	9	13.9	-45	25.3	9.1	✓
147	-45°	5031	9	13.8	-45	19.2	9.2	✓
148	-45°	5053	9	15.1	-45	9.2	9.5	✓
149	-45°	5054	9	15.2	-45	15.4	9.5	✓
150	-45°	5068	9	16.0	-45	3.4	9.8	✓
151	-44°	5396	9	16.3	-44	59.1	9.6	✓
152	-45°	5076	9	16.5	-45	2.6	9.9	✓
153	-44°	5407	9	16.9	-44	56.5	9.6	✓
154	-45°	5094	9	17.5	-45	6.6	9.6	✓
155	-44°	5391	9	16.1	-44	45.8	9.8	✓
156	-44°	5355	9	14.0	-44	5.3	8.6	✓
157	-44°	5348	9	13.7	-44	28.1	9.1	✓
158	-44°	5353	9	13.9	-44	29.1	9.3	✓
159	-44°	5362	9	14.3	-44	29.0	7.7	✓
160	-43°	5159	9	14.5	-43	56.3	9.5	✓
161	-43°	5152	9	14.2	-43	31.0	9.1	✓
162	-43°	5157	9	14.4	-43	39.0	9.6	✓

Tuesday Sept. 23, 1913.

No	Int.	Class	Remarks
			B 38418
163	3	F0	
164	1	G5	Partly super. on 163.
165	7	A2	
166	2	A2	
167	4	B9	
168	2	A0	
169	7	A0	
170	2	G5	
171	5	A2	
172	6	A0	
173	6	M5	
174	3	K0	
175	1	K0	
176	2	A0	
177	2	G0	
178	1	K0	
179	2	A2	
180	4	B9	
181	1	F0	
182	8	K2	
183	4	A0	
184	3	A3	
185	2	F8	
186	6	B9	
187	5	A0	
188	1	G5	
189	2	F2	
190	1	G0	

		5171			46.7	9.6	
163	-43°	5170	9	15.0	-43	40.4	9.5 ✓
		5170				40.4	9.5
164	-43°	5171	9	15.0	-43	46.7	9.6 ✓
165	-43°	5186	9	15.9	-43	45.2	8.6 ✓
166	-43°	5191	9	16.1	-43	43.8	9.8 ✓
167	-43°	5187	9	15.9	-43	23.2	9.4 ✓
168	-43°	5193	9	16.2	-43	17.6	9.7 ✓
169	-43°	5215	9	17.8	-43	34.2	8.5 ✓
170	-43°	5229	9	18.8	-43	22.4	9.1 ✓
171	-43°	5225	9	18.7	-43	4.0	8.7 ✓
172	-43°	5250	9	19.7	-43	20.8	8.5 ✓
173	-43°	5262	9	20.4	-43	26.4	7.2 ✓
174	-43°	5263	9	20.4	-43	7.0	8.8 ✓
175	-42°	5240	9	18.8	-42	46.4	9.5 ✓
176	-42°	5248	9	19.5	-42	50.9	9.8 ✓
177	-42°	5255	9	19.9	-42	43.5	9.4 ✓
178	-42°	5256	9	19.9	-42	28.7	9.4 ✓
179	-42°	5266	9	20.7	-42	16.8	9.5 ✓
180	-43°	5093	9	11.0	-43	43.4	9.3 ✓
181	-43°	5087	9	10.5	-43	57.1	9.9 ✓
182	-43°	5103	9	11.8	-43	44.5	5.6 ✓
183	-43°	5112	9	12.1	-43	54.9	9.1 ✓
184	-43°	5114	9	12.2	-43	33.1	9.7 ✓
185	-43°	5107	9	11.9	-43	23.6	9.6 ✓
186	-43°	5097	9	11.5	-43	9.2	8.8 ✓
187	-43°	5099	9	11.5	-43	2.0	9.1 ✓
188	-43°	5102	9	11.7	-43	3.3	9.4 ✓
189	-43°	5120	9	12.5	-43	4.5	9.7 ✓
190	-43°	5124	9	12.6	-43	6.3	9.6 ✓

Tuesday Sept. 23, 1913
B 38418

No	Int.	class	Remarks
191	4	A2	
192	5	A3	
193	6	A2	
194	1	K2	
195	1	G5	
196	4	F2	
197	5	K0	
198	2	A2	
199	2	F0	
200	2	F2	Partly super. on 197.
201	5	K0	
202	3	A3	
203	3	K2	
204	5	F5	
205	6	K0	
206	2	K0	
207	2	K5	
208	3	A2	
209	1	G0	
210	1	K0	
211	1	F5	
212	1	G5	
213	1	A0	
214	3	A2	
215	2	A0	
216	5	F0	
217	6	F0	

191	-43°	5128	9	12.9	-43	10.1	9.7	✓
	-43°	5087	9	10.5	-43	57.1	9.9	✓
192	-42°	5136	9	12.6	-42	52.5	9.3	✓
193	-42°	5149	9	13.8	-42	50.2	9.2	✓
194	-42°	5156	9	13.9	-42	52.9	9.5	✓
195	-42°	5163	9	14.3	-42	53.1	9.8	✓
196	-42°	5168	9	14.7	-42	41.5	9.4	✓
197	-42°	5183	9	15.5	-42	52.1	8.0	✓
198	-43°	5179	9	15.5	-43	11.3	9.6	✓
199	-42°	5198	9	16.2	-42	59.4	9.9	✓
200	-42°	5186	9	15.6	-42	52.6	9.5	✓
201	-42°	5190	9	15.7	-42	30.3	8.6	✓
202	-42°	5192	9	16.0	-42	31.8	9.8	✓
203	-42°	5194	9	16.1	-42	33.4	8.6	✓
204	-42°	5195	9	16.1	-42	17.7	8.1	✓
205	-42°	5203	9	16.6	-42	17.4	7.9	✓
206	-42°	5212	9	17.1	-42	42.7	9.4	✓
207	-42°	5216	9	17.6	-42	55.0	9.3	✓
208	-42°	5220	9	17.7	-42	36.8	9.8	✓
209	-43°	5199	9	17.1	-43	14.7	9.7	✓
210	-43°	5197	9	17.0	-43	33.2	9.7	✓
211	-43°	5204	9	17.3	-43	39.3	9.9	✓
212	-44°	5429	9	18.5	-44	2.1	9.7	✓
213	-44°	5418	9	17.5	-44	31.0	9.8	✓
214	-44°	5448	9	19.5	-44	27.5	9.4	✓
215	-43°	5248	9	19.7	-43	38.3	9.9	✓
216	-42°	4849	8	54.6	-42	37.7	9.0	✓
217	-42°	4844	8	54.4	-42	58.0	8.2	✓

Tuesday Sept. 23, 1913
- B 38418

No	Int.	class	Remarks
218	3.	Ao	Partly super on 217.
219	4	Ao	
220	4	B9	
221	4	Ao	
222	4	Ao	
223	3	A2	
224	10+	B	Burned out.
225	2	Ao	
226	2	Ko	nearly all super. on 227.
227	3	Ao	
228	2	Ko	
229	3	G5	
230	2	Ao	
231	8	Ao	
232	2	A	Partly super. on 231.
233	6	Ao	
234	3	Ko	
235	1	Ko	
236	2	F8	
237	2	Ko	
238	5.	F8	
239	1	Ko	
240	4	Ao	
241	2	K5	
242	2	F2	
243	4.	Fo	
244	4	Ao	

218	-42°	4846	8	54.4	-42	56.2	9.2	✓
219	-43°	4819	8	54.4	-43	8.4	9.2	✓
220	-42°	4855	8	54.9	-42	52.1	9.6	✓ -42° 4857 8.55.1-42.50.9 magn. 9.5 superpower
221	-43°	4831	8	55.3	-43	3.4	8.7	✓
222	-42°	4870	8	55.6	-42	26.5	9.5	✓
223	-42°	4882	8	56.2	-42	17.6	9.6	✓
224	-42°	4875	8	55.8	-42	41.2	6.6	✓
225	-42°	4876	8	55.9	-42	50.6	9.6	✓
226	-42°	4880	8	56.0	-42	49.4	9.0	✓
227	-42°	4881	8	56.1	-42	51.8	9.7	✓
228	-42°	4889	8	56.6	-42	35.0	9.6	✓
229	-42°	4898	8	57.2	-42	44.8	9.2	✓
230	-42°	4904	8	57.5	-42	34.7	9.7	✓
231	-42°	4906	8	58.0	-42	12.9	7.8	✓
232	-42°	4907	8	58.1	-42	13.1	10	✓
233	-42°	4913	8	58.4	-42	28.3	9.4	✓
234	-42°	4918	8	58.8	-42	17.2	9.5	✓
235	-42°	4930	8	59.4	-42	23.8	9.7	✓
236	-42°	4934	8	59.8	-42	22.3	9.7	✓
237	-42°	4933	8	59.8	-42	50.7	9.6	✓
238	-42°	4936	8 9	0.0	-42	57.6	9.0	✓
239	-43°	4882	8	58.7	-43	38.0	9.7	✓
240	-43°	4885	8	58.9	-43	33.7	9.3	✓
241	-43°	4894	8	59.5	-43	20.8	9.2	✓
242	-43°	4912	8 9	0.8	-43	15.4	9.8	✓
243	-43°	4921	9	1.1	-43	7.3	9.2	✓
244	-42°	4959	9	1.2	-42	55.8	9.3	✓

Tuesday Sept. 23, 1913.
B 38418

No	Int.	Class	Remarks
245	3	A0	
246	4	G0	
247	1	F5	
248	4	A3	
249	2	A0	
250	7	A3	
251	5	A2	
252	5	G5	
253	5	A3	
254	6	G5	
255	4	A3	
256	3	A0	
257	3	G5	
258	1	K5	
259	1	G5	
11.58	260	1	A0
10.23	261	1	G0
Sept. 24.	262	1	F2
M. A. G.	263	7	G0
	264	1	K0
	265	2	G5
	266	1	B9
	267	2	A0 (Partly super. on br. star)
	268	2	F8
	269	3	A0 another star super. at south.
	270	1	F8
	271	1	K0

245	-42°	4941	9	0.2	-42	46.0	9.2	✓
246	-42°	4953	9	0.8	-42	32.6	8.9	✓
247	-42°	4939	9	0.1	-42	34.2	9.8	✓
248	-41°	4785	9	0.2	-41	53.9	9.2	✓
249	-41°	4786	9	0.3	-41	45.7	9.7	✓
250	-41°	4793	9	0.7	-41	40.5	7.7	✓
251	-41°	4773	8	59.7	-41	38.7	9.0	✓
252	-41°	4762	8	58.9	-41	46.1	8.7	✓
253	-41°	4756	8	58.6	-41	33.4	8.5	✓
254	-41°	4765	8	59.2	-41	4.0	7.3	✓
255	-40°	4920	9	1.9	-40	55.4	8.7	✓
256	-41°	4814	9	1.7	-41	27.2	8.5	✓
257	-41°	4817	9	1.9	-41	30.2	8.5	✓
258	-41°	4813	9	1.7	-41	40.0	8.5	✓
259	-42°	4957	9	1.2	-42	8.6	9.7	✓
260	-42°	4973	9	2.4	-42	10.4	9.8	✓
261	-42°	5970	9	2.3	-42	41.9	9.5	✓
262	-43°	4936	9	2.0	-43	6.6	9.7	✓
263	-42°	4968	9	2.1	-42	59.8	7.9	✓
264	-43°	4951	9	2.6	-43	13.1	9.4	✓
265	-43°	4965	9	3.6	-43	4.5	9.1	✓
266	-42°	4994	9	3.6	-42	50.9	9.7	✓
267	-42°	4992	9	3.5	-42	49.5	9.2	✓
268	-42°	4991	9	3.5	-42	39.3	9.5	✓
269	-42°	4989	9	3.4	-42	17.0	9.8	✓
270	-42°	4978	9	2.6	-42	23.6	9.3	✓
271	-42°	4979	9	2.7	-42	18.2	9.3	✓

~~4990 mag 2.5~~
~~suppressed~~

Wednesday Sept. 24, 1913
B 38418

No.	Dist.	class	Remarks
2721		A0	
2734		A0	
2747		K0	
2755		A0	
2766		F5	
2776		A0	
2782		A0	Partly super. on 277
2794		A0	
2802		A0	
2812		B9	
2821		A0	
2835		A0	
2841		A	
2853		K0	
2863		F8	
2871		A0	
2881		K5	
2891		F5	
2905		B8	
2915		B2	
2922		A2	
2931		A	
2942		A2	
2952		A	another star super. ? - 41° 4883 sup. Also Class H.
2961		A0	
2972		B9	another star super. at south
2987		A2	

272	-42°	4980	9	2.8	-42	0.4	9.8	✓
273	-41°	4831	9	3.1	-41	26.2	8.7	✓
274	-40°	4946	9	3.6	-40	55.3	7.3	✓
275	-40°	⁵¹ 4943	9	⁸ 3.4	-40	^{47.8} 34.2	⁷ 8.2	✓
276	-40°	4943	9	3.4	-40	34.2	8.0	✓
277	-40°	4971	9	4.8	-40	31.7	8.5	✓
278	-40°	4970	9	4.8	-40	27.7	9.4	✓
279	-40°	4975	9	5.0	-40	51.8	8.7	✓
280	-41°	4840	9	4.2	-41	10.1	9.0	✓
281	-41°	4844	9	4.5	-41	1.8	9.6	✓
282	-41°	4850	9	4.9	-41	5.1	9.6	✓
283	-41°	4867	9	5.9	-41	3.3	8.4	✓
284	-41°	4861	9	5.6	-41	30.2	9.6	✓
285	-41°	4865	9	5.8	-41	39.0	8.6	✓
286	-41°	4866	9	5.9	-41	51.2	8.7	✓
287	-41°	4852	9	5.0	-41	59.8	9.5	✓
288	-42°	5019	9	5.1	-42	8.5	9.4	✓
289	-42°	5022	9	5.3	-42	4.2	9.5	✓
290	-42°	5010	9	4.4	-42	50.3	9.0	✓
291	-42°	5017	9	4.8	-42	47.8	8.9	✓
292	-42°	5014	9	4.7	-42	41.3	9.6	✓
293	-42°	5025	9	5.4	-42	30.4	9.9	✓
294	-41°	4889	9	7.4	-41	49.7	9.3	✓
295	-41°	4885	9	7.0	-41	35.3	9.6	✓
296	-41°	4872	9	6.1	-41	28.2	9.3	✓
297	-41°	⁹ 4878	9	6.7	-41	^{20.2} 24.7	⁵ 9.7	✓
298	-41°	4881	9	6.8	-41	5.5	7.5	✓

See chart plate.

which is element 9? 97.0-41 36.3
 ✓ -41 4883 super. mag 4.2

✓ -41 4878 super. 9.7

Wednesday Sept. 24, 1913.
13 38418

No	Int.	class	Remarks
299	1	K0	The following of two.
300	5	G5	
301	2	K2	
302	4	G5	
303	2	F2	
304	3	A0	
305	1	A0	
306	2	K0	
307	2	A5	
308	2	F8	
309	1	G5	
310	2	A0	
311	2	A0	
312	1	A	
313	2	K0	
314	3	A0	
315	1	G5	
316	7	A0	
317	2	K2	
318	1	K0	Partly super. on 317.
319	3	A0	Star super: at north. Probably cl. G.
320	4	K0	
321	2	G5	
322	1	F8	
323	3	A2	
324	6	G5	
325	2	B9	

299	-40°	4986	9	5.9	-40	48.3	9.1	1✓
300	-40°	4994	9	6.3	-40	43.8	8.7	1✓
301	-40°	4 5003	9	7.0	-40	35.2	8.9	1✓
302	-40°	5004	9	7.1	-40	30.2	9.0	1✓
303	-40°	5015	9	7.9	-40	36.2	9.1	1✓
304	-41°	4895	9	7.9	-41	0.8	9.4	1✓
305	-41°	4892	9	7.5	-41	20.2	9.5	1✓
306	-41°	4900	9	8.5	-41	30.2	8.8	1✓
307	-41°	4901	9	8.5	-41	37.9	9.3	1✓
308	-41°	4905	9	8.8	-41	21.2	9.3	1✓
309	-41°	4902	9	8.5	-41	15.2	9.3	1✓
310	-41°	¹³ 4 4908	9	⁴ 9.8	-41	^{11.5} 8.5	^{9.6} 9.7	1✓
311	-40°	5033	9	9.1	-40	44.3	9.4	1✓
312	-41°	4922	9	9.9	-41	5.8	9.6	1✓
313	-40°	5045	9	10.0	-40	54.8	8.9	1✓
314	-40°	5057	9	10.5	-40	41.9	9.3	1✓
315	-40°	5063	9	11.2	-40	39.2	9.0	1✓
316	-40°	4 5079	9	12.2	-40	47.3	7.6	1✓
317	-41°	4952	9	12.0	-41	0.0	8.5	1✓
318	-40°	5078	9	12.1	-40	57.3	9.1	1✓
319	-41°	4949	9	11.9	-41	19.2	9.3	1✓ -41° 4950 super. 9.1
320	-41°	4955	9	12.1	-41	26.1	8.0	1✓
321	-41°	4963	9	12.7	-41	17.1	9.3	1✓
322	-41°	4968	9	12.9	-41	14.1	9.5	1✓
323	-40°	5091	9	13.2	-40	58.7	8.9	1✓
324	-40°	5108	9	14.3	-40	56.8	7.7	1✓
325	-41°	4991	9	14.6	-41	25.1	9.6	1✓

Wednesday Sept. 24, 1913.

1338418

	No.	Int.	class	Remarks
	326	4	B8	
	327	3	A	Partly super. on 328.
	328	3	K0	
	329	1	A0	
	330	1	K2	
10.33	331	1	A0	
11.10	332	1	A2	Another star super. south following.
	333	2	G0	
	334	1	A0	
	335	1	G5	
	336	1	K0	
	337	2	F0	
	338	1	G5	
	339	1	A2	
	340	2	F8	
	341	1	A0	
	342	4	A2	
	343	3	F5	
	344	8	M2	
	345	1	B	almost continuous.
	346	2	A2	
	347	4	F2	
	348	1	A3	
	349	5	A0	
	350	4.5	K0.5	
	351	1	K0	
	352	2	G0	

326	-41°	4992	9	14.8	-41	15.6	9.0	1✓	
327	-41°	4998	9	15.2	-41	34.9	9.3	1✓	
328	-41°	4997	9	15.2	-41	28.6	8.8	1✓	
329	-41°	4989	9	14.6	-41	43.1	9.9	1✓	
330	-41°	4987	9	14.5	-41	44.6	9.5	1✓	
331	-41°	4983	9	14.1	-41	51.6	9.7	1✓	
332	-42°	5153	9	13.8	-42	3.8	9.8	1✓	9.9 -42° 5155 super. magn.
333	-42°	5127	9	12.1	-42	21.0	9.6	1✓	
334	-42°	5121	9	11.9	-42	42.0	10	1✓	-42° 5123 9 12.0 -42 9.9 magn. 9.9 super. pos. ed.
335	-42°	5125	9	12.1	-42	44.8	9.8	1✓	
336	-42°	5133	9	12.6	-42	22.2	9.8	1✓	
337	-42°	5137	9	12.7	-42	18.1	9.6	1✓	
338	-42°	⁽⁵¹³⁹⁾ 5148	9	13.1	-42	35.6	10	1✓	
339	-42°	5146	9	13.4	-42	36.2	9.9	1✓	
340	-42°	5151	9	13.8	-42	30.0	9.9	1✓	
341	-42°	⁴ 5162	9	14.3	-42	28.4	10	1✓	
342	-41°	5004	9	15.7	-41	50.6	9.0	1✓	
343	-41°	5014	9	16.4	-41	42.1	9.0	1✓	
344	-41°	5023	9	17.1	-41	39.8	6.4	1✓	
345	-41°	5006	9	15.9	-41	39.0	9.1	1✓	
346	-41°	5010	9	16.1	-41	31.1	9.5	1✓	
347	-41°	5015	9	16.4	-41	20.6	9.3	1✓	
348	-40°	5121	9	15.1	-40	54.2	9.9	1✓	
349	-40°	5126	9	15.5	-40	55.2	8.7	1✓	
350	-40°	5136	9	16.0	-40	48.7	8.5	1✓	
351	-41°	5011	9	16.1	-41	1.7	9.3	1✓	
352	-41°	5021	9	16.9	-41	12.1	9.6	1✓	-41° 5020 9 16.9 -41 9.7 magn. 9.8 super. pos. ed.

Wednesday Sept. 24, 1913.

1338418

No. 2nd. class Remarks

353 1 K0

354 2 F5

355 2 A2

356 2 A0

357 5 A2

358 1 K0

359 3 A2

360 2 A2

361 1 G0

362 1 K2

363 3 F8

364 1 A2

365 3 A0

366 6 F5

11,20 367 2 A0

Sept. 25, 1913. 1338418

368 2 A3

369 2 K0

370 2 B

371 1 K0

353	-41°	5033	9	17.5	-41	15.1	8.7	Λ✓
354	-41°	5034	9	17.5	-41	44.6	9.0	Λ✓
355	-41°	5042	9	18.2	-41	44.1	9.5	Λ✓
356	-41°	5045	9	18.4	-41	45.1	9.7	Λ✓
357	-41°	5051	9	18.8	-41	43.6	8.5	Λ✓
358	-41°	5058	9	19.2	-41	20.1	9.0	Λ✓
359	-41°	5050	9	18.8	-41	3.2	8.6	Λ✓
360	-40°	5169	9	18.8	-40	54.2	9.3	Λ✓
361	-42°	5231	9	18.4	-42	32.0	9.6	Λ✓
362	-42°	5235	9	18.5	-42	22.0	9.9	Λ✓
363	-42°	5239	9	18.8	-42	14.8	9.7	Λ✓
364	-42°	5244	9	19.3	-42	35.9	9.9	Λ✓
365	-41°	5073	9	20.4	-41	58.6	9.5	Λ✓
366	-41°	5070	9	20.3	-41	42.6	8.3	Λ✓
367	-41°	5071	9	20.4	-41	23.6	9.5	Λ✓

Identified by J.C.M. Feb. 3, 1914

Checked March 5, 1914 L.D.W.

Cards made out by B.R.B.

Cards checked by Am.C.

✓	368	-41°	4698	8	55.4	-41	54	8.9	90	on	B19156
✓	369	-41°	4692	8	55.0	-41	45	8.7	91	on	B19156
	370	-43°	4716	8	47.6	-43	33	9.1	138	on	B19156
✓	371	-40	4761	8	52.5	-40	54	8.7	11	"	"

10:29

Tuesday, November 11, 1913

I 38609 long.

G.F.M. Rec.	No.	Date	Class	Remark
	1	7	A ₀	
	2	4	B ₈	
	3	2	A ₀	
	4	2	A ₀	
	5	1	A ₀	
	6	1	A ₀	
	7	1	A ₀	
	8	2	A ₃	
	9	7	B ₈	
	10	5	B ₃	
	11	7	B ₂	
	12	4	A ₂	
	13	6	A ₅	Hyd. lines ^{sharp} and well-marked
	14	3	B ₉	
	15	2	F ₀	
	16	3	A ₀	
	17	3	A ₃	
	18	2	A ₀	
	19	2	A ₀	
10:36	20	7	B ₁	
10:44	21	3	B ₉	
	22	2	A ₀	
	23	1	K ₀	
	24	2	A ₀	
	25	1	A ₃	
	26	2	A ₀	
	27	3	B ₉	

1	-8°	1662	6	53.4	-8	12.1	6.1	✓
2	-8°	1667	6	53.7	-8	59.7	6.8	✓
3	-8°	1670	6	54.2	-8	5.2	8.7	✓
4	-8°	1672	6	54.3	-8	0.3	8.1	✓
5	-7°	1687	6	54.3	-7	31.2	8.5	✓
6	-9°	1805	6	55.3	-9	0.4	8.2	✓
7	-9°	1803	6	55.0	-9	14.2	9.0	✓
8	-9°	1804	6	55.2	-9	40.9	8.0	✓
9	-9°	1818	6	57.1	-9	54.4	6.3	✓
10	-10°	1862	6	59.0	-10	26.7	7.0	✓
11	-12°	1790	6	59.9	-12	4.0	5.8	✓
12	-9°	1854	7	0.5	-9	45.9	7.3	✓
13	-10°	1892	7	2.5	-10	6.8	6.8	✓
14	-9°	1887	7	3.9	-9	6.4	7.2	✓
15	-8°	1779	7	4.3	-8	53.4	7.4	✓
16	-7°	1802	7	5.5	-7	58.3	7.9	✓
17	-8°	1802	7	6.4	-8	37.3	7.5	✓
18	-8°	1805	7	6.8	-8	41.0	7.8	✓
19	-9°	1912	7	7.0	-9	12.7	7.8	✓
20	-10°	1933	7	7.6	-10	3.9	6.4	✓
21	-10°	1908	7	4.5	-10	11.6	7.5	✓
22	-9°	1947	7	9.2	-9	1.1	8.3	✓
23	-8°	1836	7	11.7	-8	52.1	7.5	✓
24	-8°	1843	7	12.9	-8	55.9	8.5	✓
25	-9°	1992	7	13.6	-9	22.9	8.7	✓
26	-9°	1994	7	14.0	-9	33.2	8.2	✓
27	-8°	1856	7	13.7	-8	9.8	8.2	✓

Tuesday, November 11, 1913

I 38609 long

No.	Int.	Class	Remark
28	5	F5	
29	7	B5	
30	2	F8	
31	6	A2	
32	2	A0	
33	2	K0	
34	3	K0	
35	2	B	Another star superposed?
36	1	B5	
37	1	B8	
38	1	B5	
39	2	A0	
40	3	A0	
41	2	B8	Partly superposed on 40
42	1	G	
43	3	G5	
44	2	A0	
45	2	A0	
46	5	B9	
47	1	K0	
48	2	B9	
49	2	B9	
50	2	A2	
51	4	F2	
52	3	A	Partly superposed on 53
53	2	A0	
54	4	B8	

28	-8°	1862	7	14.3	-8	36.1	6.5	✓
29	-8°	1872	7	15.1	-8	42.5	6.6	✓
30	-9°	2011	7	15.9	-9	21.4	7.8	✓
31	-9°	2043	7	19.5	-9	48.4	7.0	✓
32	-8°	1725	6	57.4	-8	53.7	8.4	✓
33	-8°	1726	6	57.6	-8	13.8	7.0	✓
34	-7°	1731	6	58.4	-7	55.0	7.2	✓
35	-8°	1734	6	58.6	-8	30.2	7.9	✓
36	-8°	1737	6	58.9	-8	35.2	8.4	✓
37	-9°	1842	6	59.3	-9	3.9	8.5	✓
38	-9°	1853	7	0.4	-9	21.7	8.1	✓
39	-9°	1844	6	59.3	-9	57.0	8.2	✓
40	-9°	1881	7	3.3	-9	4.7	8.0	✓
41	-9°	1880	7	3.3	-9	6.8	8.4	✓
42	-8°	1761	7	1.9	-8	27.1	8.3	✓
43	-8°	1762	7	2.4	-8	2.9	7.2	✓
44	-7°	1768	7	2.0	-7	42.6	8.3	✓
45	-7°	1770	7	2.1	-7	32.5	8.5	✓
46	-7°	1783	7	3.5	-7	37.9	7.7	✓
47	-7°	1790	7	4.2	-7	27.7	7.8	✓
48	-6°	1958	7	3.1	-6	59.6	8.5	✓
49	-6°	1978	7	4.8	-6	19.7	8.6	✓
50	-6°	1985	7	5.5	-6	31.5	9.0	✓
51	-6°	1989	7	5.8	-6	54.5	7.9	✓
52	-7°	1821	7	7.3	-7	16.2	8.4	✓
53	-7°	1822	7	7.3	-7	7.8	8.7	✓
54	-7°	1829	7	8.0	-7	25.8	7.8	✓

Tuesday, November 11, 1913

I 38609 long

No.	Int.	Class	Remark
55	1	A ₀	
56	1	G ₅	
57	4	A ₃	Perhaps Comp.
58	1	B ₉	
59	2	B ₉	
60	1	A ₀	
61	1	A ₀	
62	4	K ₂	
63	3	A ₂	
64	6	B ₉	
65	2	A ₀	
66	7	A ₅	
67	5	A ₂	
68	5	K ₀	
69	3	K ₀	
70	2	G ₅	
71	6	A ₀	
72	8	B ₉	
73	5	A ₀	
74	8	F ₀	
75	1	A ₀	
76	1	A	Partly superposed on 73
77	2	B ₉	
78	2	A ₀	The ^{m.f.} joining of two.
79	1	A ₀	
80	2	A ₀	
81	3	A ₂	

55	-8°	1810	7	7.2	-8	10.8	9.0	✓	
56	-7°	1844	7	9.2	-7	38.0	8.0	✓	
57	-7°	1851	7	9.9	-7	16.2	7.6	✓	
58	-6°	2019	7	8.8	-6	30.6	8.8	✓	
59	-6°	2025	7	9.3	-6	42.5	8.7	✓	
60	-6°	2029	7	9.9	-6	47.1	8.6	✓	
61	-6°	2031	7	10.0	-6	35.6	8.7	✓	
62	-6°	2032	7	10.4	-6	25.5	6.3	✓	
63	-5°	2050	7	9.9	-5	58.7	7.9	✓	
64	-5°	2055	7	10.4	-5	33.8	7.3	✓	
65	-5°	2065	7	11.8	-5	10.2	8.5	✓	
66	-4°	1908	7	12.9	-4	43.6	7.3	✓	
67	-4°	1907	7	12.8	-4	19.3	7.8	-	
68	-3°	1850	7	12.9	-3	39.3	7.0	✓	
69	-5°	2073	7	13.1	-5	52.1	7.8	✓	-5° 2072 superfund 8.8
70	-6°	2057	7	13.4	-6	20.0	8.0	✓	
71	-5°	2075	7	13.7	-5	52.1	7.5	✓	
72	-5°	2080	7	14.5	-5	37.7	7.0	✓	
73	-5°	2086	7	14.9	-5	18.1	8.2	✓	
74	-5°	2089	7	15.3	-5	42.2	5.9	✓	
75	-6°	2084	7	16.3	-6	22.0	8.8	✓	
76	-5°	2085	7	14.9	-5	33.3	9.0	✓	
77	-4°	1918	7	13.9	-4	58.1	8.8	✓	
78	-4°	1926	7	15.6	-4	57.0	8.5	✓	I have identified following
79	-5°	2092	7	16.2	-5	21.6	8.8	✓	
80	-5°	2095	7	16.5	-5	11.4	8.7	✓	
81	-4°	1939	7	17.8	-4	46.4	8.5	✓	

Tuesday, November 11, 1913

I 38609 long

No	Int.	Class	Remark
82	2	A3	
83	3	A0	
84	2	K0	
85	4	F5	
86	1	A2	
87	1	A2	
88	7	A0	
89	1	K0	
90	1	A0	
91	1	A0	
92	2	A0	
93	5	F0	
94	3	A0	
95	5	Comp	Br. = F5 Ft. = A2 K = 0.2 H
96	2	B8	
97	1	A2	
98	1	mb	
99	2	A2	
100	3	B0	
101	2	A0	
102	2	A3	
103	2	A0	
104	3	A0	
105	2	K5	
106	3	K2	
107	4	B2	
108	7	F8	

82	-4°	1933	7	17.3	-4	19.9	8.8	✓
83	-3°	1886	7	17.7	-3	57.1	8.7	✓
84	-3°	1878	7	16.8	-3	42.3	7.5	✓
85	-3°	1871	7	15.8	-3	37.1	8.0	✓
86	-4°	1927	7	16.2	-4	9.4	8.8	✓
87	-4°	1941	7	18.2	-4	7.5	9.0	✓
88	-4°	1943	7	18.9	-4	15.1	7.4	✓
89	-4°	1949	7	19.4	-4	2.1	8.1	✓
90	-4°	1955	7	20.1	-4	3.2	8.6	✓
91	-4°	1958	7	20.5	-4	10.4	8.8	✓
92	-4°	1920	7	14.2	-4	15.5	9.0	✓
93	-8°	1632	6	49.6	-8	8.7	7.0	✓
94	-7°	1640	6	49.7	-7	59.7	7.6	✓
95	-7°	1642	6	50.0	-7	59.8	6.4	✓
96	-8°	1639	6	50.2	-8	21.3	8.3	✓
97	-8°	1644	6	50.4	-8	14.5	9.0	✓
98	-8°	1650	6	51.2	-8	50.0	7.7	✓
99	-8°	1651	6	51.5	-8	6.3	8.8	✓
100	-6°	1859	6	51.6	-6	59.2	7.5	✓
101	-7°	1668	6	52.3	-7	15.6	8.2	✓
102	-6°	1872	6	53.6	-6	14.5	8.2	✓
103	-5°	1921	6	54.3	-5	57.2	8.3	✓
104	-6°	1887	6	54.5	-6	6.6	8.2	✓
105	-5°	1926	6	54.8	-5	31.2	5.0	✓
106	-5°	1927	6	55.0	-5	49.0	7.3	✓
107	-5°	1912	6	53.2	-5	37.3	7.3	✓
108	-5°	1910	6	53.2	-5	10.0	6.5	✓

Tuesday, November 11, 1913.

↓

I 38609 long

No.	Int.	Class	Remark
109	4	A ₀	
110	5	F ₂	
111	4	A ₀	
112	3	B ₉	
113	3	K ₀	
114	9	B ₂	
115	5	K ₂	
116	2	A ₀	
117	1	K ₅	
118	3	K ₀	
119	2	A ₂	
120	1	K ₀	
121	2	F ₂	
122	6	F ₀	
123	4	F ₂	
124	3	B ₉	
125	1	A ₀	
126	1	F ₀	
127	3	F ₀	
128	2	A ₀	
129	1	K ₂	
130	1	G ₅	
131	2	A ₂	
132a	2	A ₀	
132	6	F ₀	
133	3	B ₉	
134	2	A ₀	
135	2	K ₂	

109	-5°	1900	6	52.2	-5	13.0	8.2	✓
110	-4°	1752	6	57.2	-4	20.5	8.0	✓
111	-3°	1672	6	51.7	-3	49.2	8.0	✓
112	-3°	1686	6	53.9	-3	46.0	8.5	✓
113	-3°	1694	6	54.9	-3	33.0	7.0	✓
114	-4°	1788	6	55.7	-4	2.0	5.0	✓
115	-5°	1943	6	57.0	-5	6.8	5.8	✓
116	-5°	1945	6	57.2	-5	5.3	8.7	✓
117	-4°	1797	6	56.8	-4	25.0	8.3	✓
118	-4°	1793	6	56.2	-4	3.3	8.3	✓
119	-4°	1806	6	57.8	-4	19.6	9.0	✓
120	-4°	1820	6	59.4	-4	43.2	8.7	✓
121	-4°	1827	7	0.1	-4	47.6	9.0	✓
122	-4°	1830	7	0.8	-4	27.1	7.8	✓
123	-5°	1967	6	59.8	-5	14.9	8.0	✓
124	-5°	1966	6	59.5	-5	46.2	8.4	✓
125	-5°	1955	6	57.8	-5	48.0	9.0	✓
126	-5°	1954	6	57.8	-5	33.5	9.0	✓
127	-6°	1903	6	55.7	-6	49.1	8.5	✓
128	-6°	1889	6	54.8	-6	50.5	8.7	✓
129	-6°	1885	6	54.4	-6	43.6	8.7	✓
130	-6°	1911	6	56.5	-6	42.4	8.2	✓
	-5°	1975	7	0.4	-5	52.9	8.7	
131	-6	1918	6	57.6	-6	38.0	8.8	✓
132a	-6°	1918	6	57.6	-6	38.0	8.8	✓
132	-5°	1993	7	2.4	-5	48.8	7.9	✓
133	-5°	1997	7	2.8	-5	30.7	8.2	✓
134	-5°	2006	7	4.0	-5	13.7	8.9	✓
135	-5°	2013 ⁴	7	5.0	-5	12.6 ⁰	8.2 ^{8.2}	✓

Tuesday, November 11, 1913

I 38609 long

No.	Int.	Class	Remark
136	1	F ₀	
137	4	Comp.	Get short dispersion.
138	2	K ₀	
139	3	K ₀	
140	2	A ₅	
141	2	A ₅	
142	4	F ₅	
143	3	A ₃	
144	7	B ₉	
145	5	A ₀	
146	2	F ₈	
147	2	K ₀	
148	2	A ₀	
149	7	F ₅	
150	5	A ₃	
151	7	B ₈	
152	5	B ₉	
153	2	A ₀	Partly superposed on 152
154	3	A ₀	
155	2	A ₂	
156	2	A ₀	
157	3	A ₀	
158	8	K ₀	
159	1	K ₀	
160	2	F ₅	
161	5	K ₀	
162	3	B ₉	

136	-5°	2014 ³	7	5.0	-5	12.2 ⁶	8.2 ^{9.1}	✓
137	-4°	1862	7	6.6	-4	54.8	7.8	✓
138	-4°	1873	7	8.2	-4	48.7	8.2	✓
139	-4°	1882	7	9.4	-4	46.8	8.0	✓
140	-4°	1886	7	10.0	-4	32.4	8.7	✓
141	-4°	1885	7	9.9	-4	7.5	8.5	✓
142	-3°	1824	7	9.6	-3	27.2	8.2	✓
143	-3°	1826	7	10.1	-3	37.5	8.7	✓
144	-3°	1831	7	10.4	-3	29.6	7.9	✓
145	-2°	2039	7	10.8	-2	51.3	8.0	✓
146	-4°	1893	7	11.2	-4	3.0	8.7	✓
147	-3°	1847	7	12.4	-3	21.0	8.3	✓
148	-3°	1854	7	13.9	-3	5.8	8.5	✓
149	-2°	2079	7	15.0	-2	42.4	6.5	✓
150	-2°	1899	6	56.2	-2	49.0	8.0	✓
151	-2°	1900	6	56.3	-2	15.8	8.3	✓
152	-2°	1925 ¹⁹²⁵ 1908	6	59.2	-2	53.9 ^{50.6}	7.6 ^{8.6}	✓
153	-3°	1732	6	59.2	-3	3.1	8.3	✓
154	-2°	1931	6	59.6	-2	31.6	8.0	✓
155	-3°	1733	6	59.3	-3	41.3	9.0	✓
156	-3°	1751	7	0.7	-3	57.4	8.7	✓
157	-3°	1762	7	1.6	-3	50.1	8.6	✓
158	-4°	1846	7	3.0	-4	1.0	5.5	✓
159	-4°	1841	7	3.2	-4	8.9	8.2	✓
160	-3°	1780	7	3.7	-3	38.7	8.8	✓
161	-3°	1781	7	3.8	-3	40.0	7.2	✓
162	-3°	1789	7	4.6	-3	54.1	8.3	✓

Tuesday, November 11, 1913

I 38609 long

No.	Int.	Class	Remark
163	5	Q ₀	
164	2	Q ₀	
165	4	75	
166	2	Q ₂	
167	1	17 ₀	
168	5	17 ₀	
169	4	Q ₂	
170	3	Q ₀	
171	3	Q ₂	
172	2	Q ₃	
173	2	Q ₀	
11.22 174	4	Q ₀	
175			
176			
177			
178			
179			
180			
181			
182			
183			
184			
185			

163	-4°	1845	7	4.0	-4	28.3	7.9	✓
164	-4°	1838	7	2.0	-4	42.1	9.0	✓
165	-2°	1987	7	5.4	-2	56.2	8.2	✓
166	-3°	1801	7	6.6	-3	16.4	8.6	✓
167	-3°	1803	7	6.7	-3	28.8	8.0	✓
168	-3°	1804	7	7.0	-3	39.7	6.5	✓
169	-2°	2008	7	7.7	-3	34.3	8.0	✓
170	-2°	1981	7	5.3	-2	18.8	8.5	✓
171	-2°	1969	7	4.0	-2	46.2	8.5	✓
172	-2°	1976	7	5.0	-2	46.7	8.3	✓
173	-2°	1949	7	1.8	-2	56.2	8.8	✓
174	-2°	1941	7	1.0	-2	57.8	8.4	✓

Identified by J.B.M. Dec. 8, 1913

Checked by Am.C.?

Cards made out by G.R.B.

Cards checked by Am.b.

12.16

Wednesday, November 12, 1913

B19003 short

8.7.m. Rec.	No.	Int.	Class	Remark.
	1	6	K ₀	
	2	7	Q ₃	
	3	1	Q ₀	
	4	2	Q ₀	
	5	3	K ₅	
	6	7	Q ₂	
	7	5	Q ₂	
	8	3	F ₀	
	9	1	K ₂	
	10	6	K ₀	
	11	1	Q	Partly superposed on 10
	12	4	Q ₀	
	13	2	Q ₀	
	14	3	Q ₅	
	15	5	Q ₀	
	16	6	F ₅	
	17	5	Q	A star slightly south, completely superposed
	18	5	Q ₃	
	19	3	F ₀	
	20	4	K ₀	
	21	2	K ₀	The following of two
	22	6	F ₈	
	23	9	Q ₃	
	24	4	K ₀	
	25	3	F ₅	
	26	8	F ₂	
	27	1	K ₅	

1	-45°	7180	11	33.8	-45	6.8	7.5	1V
2	-45°	7178	11	33.7	-45	17.0	7.7	1V
3	-45°	7184	11	34.1	-45	23.3	9.6	1V
4	-45°	7196	11	35.1	-45	25.7	9.9	1V
5	-45°	7201	11	35.8	-45	29.4	8.8	1V
6	-44°	7516	11	35.9	-44	57.5	8.0	1V
7	-45°	7220	11	37.0	-45	2.3	8.8	1V
8	-45°	7214	11	36.4	-45	20.3	9.5	1V
9	-45°	7209	11	36.2	-45	29.0	9.5	1V
10	-45°	7203	11	35.9	-45	39.6	8.1	1V
11	-45°	7205 7205 ₄	11	35.9	-45	38.2	9.6	1V
12	-45°	7205	11	36.5	-45	52.4	9.4	1V
13	-45°	7225	11	37.2	-45	37.3	9.9	1V
14	-45°	7235	11	38.1	-45	45.8	9.2	1V
15	-45°	7238	11	38.5	-45	25.9	9.0	1V
16	-45°	7249	11	39.4	-45	21.7	9.0	1V
17	-45°	7259	11	40.1	-45	31.9	8.9	1V ^{45°} 7260 super. 8.7
18	-45°	7278	11	41.2	-45	38.9	8.7	1V
19	-45°	7286	11	41.8	-45	17.3	9.2	1V
20	-44°	7592	11	42.4	-44	53.5	8.4	1V
21	-45°	7306	11	42.9	-45	40.3	9.2	1V Two stars A cluster of stars predecessor.
22	-45°	7307	11	43.0	-45	31.5	8.8	1V ^{45°} 7308 super. 9.6
23	-45°	7312	11	43.2	-45	22.3	7.8	1V
24	-45°	7316	11	43.6	-45	19.2	8.0	1V
25	-45°	7318	11	43.7	-45	20.3	9.1	1V
26	-45°	7326	11	44.2	-45	46.3	8.3	1V
27	-45°	7337	11	44.9	-45	43.0	9.3	1V

Wednesday, November, 12, 1913



B19003 short

No.	Int.	Class	Remark
28	2	K ₀	
29	3	G ₅	
30	4	A ₀	
31	5	F ₀	
32	1	K ₂	
33	1	K ₅	
34	2	F ₂	
35	3	A ₀	
36	6	G ₅	
37	9	G ₅	
38	1	G ₅	
39	10	F ₂	
40	1	K ₀	
41	4	A ₂	
42	1	A ₀	
43	9	F ₂	
44	4	G ₅	
45	3	K ₀	
46	2	A ₅	
47	3	A ₃	
48	2	K ₅	
49	3	K ₂	
50	5	A ₂	
51	4	Ma	
52	8	Ma	
53	3	A ₂	
54	4	F ₅	

28	-45°	7354	11	46.5	-45	22.7	9.1	1V
29	-44°	7641	11	46.8	-44	47.3	9.0	1V
30	-44°	7648	11	48.3	-44	23.2	8.6	1V
31	-45°	7375 ³	11	47.9	-45	7.5	8.8	1V
32	-45°	7379	11	48.3	-45	21.0	9.3	1V
33	-45°	7388	11	49.3	-45	29.5	9.0	1V
34	-45°	7397	11	49.8	-45	24.5	9.5	1V
35	-45°	7402	11	50.2	-45	38.5	9.4	1V
36	-45°	7376	11	48.1	-45	47.6	8.3	1V
37	-46°	7474	11	47.3	-46	2.8	7.3	1V
38	-45°	7356	11	46.7	-45	52.2	9.0	1V
39	-46°	7521	11	50.5	-46	22.5	6.8	1V
40	-46°	7529	11	50.9	-46	16.2	9.3	1V
41	-46°	7536	11	51.5	-46	5.3	9.1	1V
42	-45°	7409 7420	11 11	50.8 54.8	-45 -45	55.4 57.0	9.7 9.9	1V 1V
43	-45°	7444	11	53.2	-45	56.2	6.9	1V
44	-46°	7569	11	53.7	-46	5.0	8.4	1V
45	-45°	7468	11	54.7	-45	36.8	8.9	1V
46	-45°	7477	11	55.2	-45	18.4	9.5	1V
47	-45°	7485	11	56.0	-45	28.2	9.4	1V
48	-45°	7506	11	57.7	-45	14.4	9.2	1V
49	-45°	7515	11	58.6	-45	30.2	8.9	1V
50	-45°	7529	11	59.7	-45	11.6	8.9	1V
51	-46°	7203	11	29.6	-46	28.6	8.4	1V
52	-46°	7199	11	29.2	-46	41.0	6.0	1V
53	-46°	7219	11	30.6	-46	43.4	9.4	1V
54	-46°	7223	11	31.1	-46	41.9	9.1	1V

Wednesday, November 12, 1913

B 19003 short

No.	Int.	Class	Remark
55	7	F ₀	
56	1	K ₅	
57	1	K ₀	
58	2	K ₀	
59	5	B ₅	
60	6	A ₀	
61	4	A ₀	
62	1	K ₂	
63	2	F ₅	
64	4	K ₀	
65	5	A ₅	
66	4	A ₀	
67	2	F ₂	
68	3	F ₈	
69	1	A ₀	
70	6	G ₅	
71	2	A ₀	
72	4	F ₅	
73	3	K ₅	
74	1	K ₅	
75	2	A ₀	
76	1	F ₀	
77	4	G ₀	
78	1	F ₂	
79	1	K ₀	
80	1	K ₀	
81	2	G ₀	

55	-46°	7231	11	31.5	-46	36.7	8.7	1V
56	-46°	7225	11	31.3	-46	24.0	9.1	1V
57	-46°	7227	11	31.3	-46	27.8	9.4	1V
58	-46°	7230	11	31.4	-46	14.8	9.4	1V
59	-46°	7232	11	31.5	-46	1.2	8.7	1V
60	-46°	7237	11	31.9	-46	8.5	9.5	1V ^{-46° 7238 11 31.9-46 8.4 10} superposed.
61	-45°	7156	11	32.5	-45	49.8	9.5	1V
62	-45°	7166	11	33.0	-45	35.8	8.9	1V
63	-45°	7176	11	33.5	-45	49.8	9.7	1V
64	-45°	7188	11	34.4	-45	52.3	8.7	1V
65	-46°	7288	11	35.1	-46	12.2	9.2	1V
66	-46°	7268	11	33.9	-46	30.2	9.2	1V
67	-46°	7304	11	35.8	-46	22.0	9.5	1V
68	-46°	7329	11	37.4	-46	25.0	9.4	1V
69	-46°	7325	11	37.1	-46	33.9	9.8	1V
70	-46°	7356	11	39.4	-46	31.9	8.3	1V
71	-46°	7368	11	40.4	-46	11.4	9.6	1V
72	-46°	7371	11	40.7	-46	28.6	9.4	1V
73	-46°	7370	11	40.7	-46	46.7	8.6	1V
74	-46°	7398	11	42.3	-46	51.6	9.3	1V
75	-46°	7403	11	42.5	-46	36.3	9.5	1V
76	-46°	7388	11	41.7	-46	16.8	9.7	1V
77	-45°	7283	11	41.6	-45	54.3	8.9	1V
78	-45°	7287	11	41.8	-45	47.9	9.8	1V
79	-46°	7399	11	42.3	-46	11.4	9.9	1V ^{-46° 7399 magn. 9.9} superposed.
80	-46°	7401	11	42.4	-46	24.2	9.4	1V
81	-46°	7413	11	43.3	-46	8.6	9.3	1V

Wednesday, November 12, 1913

B19003 sheet

No.	Int	Class	Remark
82	2	A3	
83	3	F8	
84	2	F8	
85	1	A3	
86	1	A	
87	1	G	
88	2	G ₀	
89	2	G ₀	
90	5	G ₀	
91	7	F8	
92	2	K ₂	
93	1	K ₂	
94	6	A ₀	
95	8	B8	
96	8	A ₀	
97	3	A ₀	
98	1	A3	
99	7	F ₂	
100	6	A3	
101	7	G ₀	
102	3	B5	
103	6	K ₀	
104	6	A ₀	
105	2	F8	
106	7	B9	
107	10	F8	
108	1	K ₀	

82	-46°	7427	11	44.0	-46	29.8	9.7	^v
83	-46°	7438	11	44.9	-46	28.8	9.4	^v
84	-47°	7192	11	45.5	-47	4.0	9.4	^v
85	-47 ⁶	7432	11	44.3	-46	49.0	9.6	^v
86	-47°	7173 ⁰	11	44.0	-47	0.7 7.2	9.6	^v
87	-47°	7173	11	44.1	-47	7.2	9.6	^v
88	-47°	7181	11	44.5	-47	34.2	9.5	^v
89	-47°	7180	11	44.5	-47	45.0	9.9	^v
90	-48°	6891	11	45.4	-48	2.4	8.9	^v
91	-47°	7202 ⁴	11	46.3 ⁵	-47	57.8 59.2	8.5 9.0	^v
92	-47°	7207	11	46.6	-47	34.4	9.2	^v
93	-47°	7215	11	47.4	-47	23.6	9.1	^v
94	-48°	6924	11	47.3	-48	17.0	9.1	^v
95	-48°	6922	11	47.3	-48	32.1	8.5	^v
96	-48°	6926	11	47.4	-48	37.5	8.5	^v
97	-48°	6937	11	47.8	-48	29.2	9.5	^v
98	-48°	6941	11	48.1	-48	14.6	9.7	^v
99	-48°	6952	11	48.8	-48	2.6	8.7	^v
100	-48°	6967	11	50.1	-48	6.0	8.9	^v
101	-48°	6982	11	51.0	-48	2.8	8.5	^v
102	-47°	7259	11	51.1	-47	57.8	8.5	^v
103	-47°	7278	11	52.4	-47	57.0	8.3	^v
104	-47°	7282	11	52.7	-47	38.7	8.9	^v
105	-47°	7280	11	52.6	-47	22.3	9.6	^v
106	-47°	7275	11	52.1	-47	9.3	8.6	^v
107	-47°	7273	11	52.0	-47	17.0	7.2	^v
108	-47°	7267	11	51.6	-47	22.0	9.6	^v -47° 7268 super. 10

Wednesday, November 12, 1913

B 19003, short

No.	Int.	Class	Remarks
109	1	K ₀	
110	6	K ₀	
111	3	K ₀	
112	4	K ₂	
113	7	F ₈	
114	5	K ₀	
115	10	Q ₅	
116	4	Q ₅	
117	4	K ₀	
118	3	Q ₀	
119	2	F ₀	
120	2	Q ₅	
121	5	Q ₃	
122	4	M _a	
123	3	Q ₅	
124	1	F ₅	
125	4	F ₈	
126	3	K ₀	
127	4	F ₅	
128	2	F ₅	
129	5	F ₂	
130	7	Q ₀	
131	3	Q ₀	
132	9	B ₈	
133	3	F ₅	
134	7	Q ₂	
135	1	K ₂	

109	-47°	7244	11	49.8	-47	38.8	9.5	^v
110	-46°	7571	11	54.0	-46	57.7	7.6	^v
111	-47°	7292	11	53.3	-47	32.6	8.4	^v
112	-47°	7293	11	53.5	-47	36.7	8.5	^v
113	-47°	7304	11	54.5	-47	42.2	8.6	^v
114	-47°	7314	11	55.4	-47	30.6	8.7	^v
115	-47°	7335	11	56.7	-47	29.7	7.0	^v
116	-47°	7344	11	57.7	-47	24.7	9.2	^v
117	-47°	7057	11	36.2	-47	29.0	8.5	^v
118	-47°	7081	11	37.6	-47	14.0	9.4	^v
119	-47°	7084	11	37.9	-47	17.0	9.6	^v
120	-47°	7085	11	38.0	-47	31.2	9.7	^v
121	-47°	7104	11	39.6	-47	34.2	9.2	^v
122	-47°	7110	11	40.1	-47	31.0	8.3	^v
123	-47°	7112	11	40.1	-47	35.0	9.3	^v
124	-47°	7117	11	40.4	-47	32.7	9.8	^v
125	-47°	7114	11	40.3	-47	52.4	9.0	^v
126	-48°	6802	11	40.5	-48	8.8	8.9	^v
127	-48°	6837	11	42.1	-48	13.8	9.2	^v
128	-48°	6835	11	42.0	-48	27.8	9.4	^v
129	-48°	6856	11	43.1	-48	37.3	8.7	^v
130	-48°	6872	11	43.9	8	50.9	8	^v
	-49°	6528	11	44.0	-49	9.2	9.3	^v
131	-49°	6528	11	44.0	-49	9.2	9.3	^v
132	-48°	6899	11	45.8	-48	42.4	7.3	^v
133	-48°	6900	11	45.9	-48	36.4	8.9	^v
134	-49°	6575	11	46.8	-49	18.8	8.6	^v
135	-49°	6588	11	47.6	-49	14.2	9.4	^v

Wednesday, November 12, 1913

B19003 short

No.	Int.	Class	Remark
136	1	K ₀	
137	8	B ₉	
138	2	A ₀	
139	4	A ₅	
140	5	A ₃	
141	4	K ₀	
142	5	A ₀	
143	3	A ₃	
144	3	K ₂	
145	8	B ₈	
146	8	F ₂	
147	3	A ₂	
148	5	G ₅	
149	1	G ₅	
150	2	G ₅	
151	2	G ₅	
152	3	G ₀	
153	7	A ₂	
154	7	K ₀	
155	4	A ₂	
156	9	A ₂	
157	7	A ₀	
158	3	K ₀	
159	2	Ma	
160	1	K ₂	
161	8	K ₀	
162	9	K ₀	

136	-49°	6605	11	48.4	-49	9.7	9.4	1 v
137	-49°	6631	11	49.9	-49	10.0	8.4	1 v
138	-49°	6612	11	48.7	-49	25.0	9.5	1 v
139	-49°	6618	11	48.9	-49	30.2	9.1	1 v
140	-49°	6651	11	51.2	-49	31.4	9.3	1 v
141	-49°	6666	11	52.1	-49	33.4	8.4	1 v
142	-49°	6673	11	52.3	-49	22.8	9.6	1 v
143	-49°	6693	11	53.2	-49	7.4	9.4	1 v
144	-48°	7019	11	53.2	-48	40.2	8.5	1 v
145	-48°	7018	11	53.1	-48	26.6	7.5	1 v
146	-48°	6984	11	51.1	-48	39.9	7.0	1 v
147	-47°	7290	11	53.1	-47	52.7	9.5	1 v
148	-48°	7024	11	53.6	-48	2.7	9.0	1 v
149	-48°	7023	11	53.5	-48	5.6	9.3	1 v
150	-48°	7026	11	53.8	-48	4.6	9.2	1 v
151	-48°	7070	11	55.9	-48	1.7	9.4	1 v
152	-48°	7080	11	56.7	-48	34.4	9.2	1 v
153	-48°	7082	11	56.8	-48	29.5	8.7	1 v
154	-48°	7034	11	54.4	-48	52.4	8.2	1 v
155	-48°	7042	11	54.7	-48	59.1	9.5	1 v
156	-48°	7081	11	56.7	-48	57.5	7.5	1 v
157	-48°	6706	11	34.6	-48	49.0	8.1	1 v
158	-48°	6730	11	36.2	-48	51.1	8.5	1 v
159	-49°	6421	11	36.4	-49	8.7	8.9	1 v
160	-48°	6749	11	37.7	-48	24.4	9.1	1 v
161	-48°	6769	11	38.5	-48	27.0	7.5	1 v
162	-48°	6775	11	38.9 39.1	-48	20.3 22.6	9.4 6.5	1 v

Wednesday, November 12, 1913

B19003 short

No.	Int.	Class	Remark
163	3	G ₅	
164	3	F ₈	
165	1	K ₀	
166	1	K ₀	
167	1	G ₀	
168	2	K ₀	
169	4	K ₀	
170	6	F ₂	
170a	3	F ₀	
171	1	G ₂	
172	7	F ₅	
173	8	G ₀	
174	3	G ₅	
12,44	175	9	G ₂
Thurs, Nov. 13, 1913.	176	1	K ₀
9.32	177	5	K ₀
	178	9	K ₀
	179	3	K ₀
	180	1	K
	181	2	K ₀
	182	1	K ₂ Partly superposed on 181
	183	3	K ₂
	184	1	K ₀
	185	2	K ₂
	186	2	K ₀
	187	4	K ₀
	188	1	K ₅
	189	2	K ₅

163	-48°	6783	11	39.4	-48	18.9	9.2	1 V
164	-48°	6766	11	38.3	-48	0.0	9.4	1 V
165	-47°	7100	11	39.3	-47	45.8	9.4	1 V
166	-47°	7080	11	37.6	-47	58.5	9.5	1 V
167	-48°	6750	11	37.7	-48	6.2	9.3	1 V
168	-48°	6708	11	34.6	-48	4.6	9.4	1 V
169	-48°	6770	11	38.5	-48	43.4	9.2	1 V
170	-48°	6786	11	39.5	-48	52.4	8.8	1 V
170a	-48°	6787	11	39.64	-48	32.0	9.48	1 V
171	-48°	6784	11	39.2	-48	56.4	9.6	1 V
172	-49°	6461	11	39.5	-49	9.4	8.0	1 V
173	-49°	6464	11	39.7	-49	15.2	8.6	1 V
174	-49°	6484	11	41.2	-49	11.4	9.4	1 V
175	-49°	6501	11	42.0	-49	18.0	7.7	1 V
176	-49°	6516	11	43.5	-49	33.0	8.7	1 V
177	-49°	6522	11	43.8	-49	38.3	8.3	1 V
178	-50°	6387	11	43.6	-50	1.6	7.1	1 V
179	-50°	6385	11	43.4	-50	4.2	8.2	1 V
180	-50°	6383	11	43.3	-50	7.5	9.5	1 V
181	-50°	6399	11	44.4	-50	15.9	9.1	1 V
182	-50°	6397	11	44.3	-50	15.0	9.0	1 V
183	-50°	6446	11	47.2	-50	0.2	8.4	1 V
184	-50°	6438	11	46.7	-50	5.8	9.4	1 V
185	-50°	6427	11	46.1	-50	19.9	9.1	1 V
186	-49°	6573	11	46.6	-49	35.9	9.3	1 V
187	-50°	6500	11	50.2	-50	4.0	9.1	1 V
188	-50°	6491	11	49.6	-50	11.6	8.8	1 V
189	-50°	6491	11	49.6	-50	16.3	8.8	1 V
		6383	11	43.3	-50	7.5	9.5	1 V

Thursday, November 13, 1913

B 19003 short

No. Int. Class Remark

190 3 K5

191 6 K6

192 1 K5

193 3 G5

194 6 Q2

195 5 Q0

196 3 K5

197 2 G5

198 7 Q2

199 7 K0

200 6 Q0

201 2 F5

202 1 F0

203 1 G0

204 2 G5

205 1 G5

206 7 K0

207 2³ G5

208 1 G0 The preceding of two

209 2 Q0

210 1 G0

211 5 Q0

212 4 F8

213 2 Q0

214 4 K0

215 10 K0

9.40 216 10+ F Burned out

Cont. 131, 64.

212

190	-49°	6689	11	53.1	-49	48.2	8.7	1
191	-49°	6699	11	53.7	-49	39.6	8.6	1
192	-50°	6566	11	53.8	-50	3.6	9.2	1
193	-49°	6718	11	55.2	-49	16.5	9.5	1
194	-49°	6725	11	55.6	-49	28.2	9.2	1
195	-49°	6731	11	56.2	-49	23.3	9.3	1
196	-50°	6622	11	57.5	-50	6.8	8.1	1
197	-49°	6770	11	58.3	-49	52.0	9.2	1
198	-49°	6768	11	58.2	-49	20.5	8.4	1
199	-49°	6776	11	58.9	-49	34.5	7.5	1
200	-48°	6703	11	34.3	-48	28.5	8.3	1
201	-48°	6700	11	34.1	-48	26.7	8.6	1
202	-48°	6696	11	33.8	-48	28.0	9.6	1
203	-48°	6699	11	34.0	-48	13.2	9.6	1
204	-47°	7021	11	33.4	-47	47.0	9.1	1
205	-47°	7048	11	35.1	-47	30.0	9.2	1
206	-47°	7012	11	32.7	-47	9.5	7.7	1
207	-47°	7008	11	32.4	-47	44.8	8.7	1
208	-48°	6668	11	31.7	-48	14.0	9.3	1
209	-48°	6662	11	31.0	-48	9.2	9.5	1
210	-48°	6670	11	32.0	-48	25.1	9.4	1
211	-47°	6990	11	31.0	-47	41.2	8.8	1
212	-47°	6986	11	30.8	-47	18.1	8.7	1
213	-47°	6980	11	30.3	-47	17.7	9.8	1
214	-47°	6974	11	30.1	-47	32.3	8.2	1
215	-47°	6997	11	31.5	-47	3.3	5.9	1
216	-46°	7205	11	29.9	-46	56.7	5.5	1

Identified by J.C.M. Feb. 4, 1914.

Checked March 14, 1914 J.A.W.

Cards made out by G.C.S.

Cards checked by G.R.B.

No.	Int.	Class	Remark
-----	------	-------	--------

9.49

Thursday, November 13, 1913

B 13033 short

9.7 m. Rec.	No.	Int.	Class	Remark.
	1	4	F ₀	
	2	6	G ₅ -	
	3	5	K ₀	
	4	7	A ₂	
	5	2	K ₀	
	6	4	A ₀	
	7	2	G ₅ -	
	8	1	K ₀	
	9	3	A ₅	
	10	2	A ₃	
	11	5	A ₀	
	12	8	A ₀	
	13	4	A ₀	
	14	2	G ₅ -	
	15	3	K ₀	
	16	4	F ₀	
	17	1	G ₅	
	18	1	A	
	19	2	G ₅	
	20	3	A ₀	
	21	7	F ₅ -	
	22	3	K ₀	
	23	4	K ₀	
	24	6	A ₀	
	25	7	B ₉	
	26	2	G ₀	
	27	3	A ₀	

1 - 46°	6976	11	14.6 - 46	27.8	9.2	✓	
2 - 46°	7056	11	19.8 - 46	47.9	8.8	✓	26° 7053 11 19.7-46 49.0 mag. 9.1 superposed
3 - 47°	6844	11	21.2 - 47	4.3	8.0	✓	
4 - 46°	7094	11	22.1 - 46	39.7	8.8	✓	
5 - 46°	7090	11	21.9 - 46	16.8	9.0	✓	
6 - 46°	7076	11	20.8 - 46	26.4	9.1	✓	
7 - 46°	7075	11	20.7 - 46	10.8	9.1	✓	
8 - 45°	7013	11	21.8 - 45	52.5	9.2	✓	
9 - 45°	7044	11	24.4 - 45	50.8	9.3	✓	
10 - 45°	7058	11	25.5 - 45	53.6	9.1	✓	
11 - 46°	7134	11	25.3 - 46	8.4	9.1	✓	
12 - 46°	7158	11	26.6 - 46	22.8	8.3	✓	
13 - 46°	7181	11	28.1 - 46	16.2	9.1	✓	
14 - 46°	7189	11	28.3 - 46	16.8	9.1	✓	
15 - 47°	6902	11	24.9 - 47	17.2	8.5	✓	
16 - 47°	6882	11	23.8 - 47	13.4	8.6	✓	
17 - 47°	6913	11	25.9 - 47	31.9	9.3	✓	
18 - 47°	6910	11	25.5 - 47	58.5	9.3	✓	
19 - 48°	6580	11	25.4 - 48	22.6	8.9	✓	
20 - 48°	6546	11	23.5 - 48	9.4	9.2	✓	
21 - 48°	6553	11	24.3 - 48	57.5	8.1	✓	
22 - 48°	6507	11	21.7 - 48	51.8	8.0	✓	
23 - 49°	6163	11	20.4 - 49	26.3	8.3	✓	
24 - 50°	60 ¹² ₁₃	11	20.9 21.0 - 50	7.3 11.8	9.3 9.0	✓	50° 6012 superposed 9.3
25 - 50°	6032	11	22.2 - 50	10.0	8.4	✓	
26 - 50°	6023	11	21.5 - 50	25.3	9.1	✓	
27 - 49°	6234	11	24.6 - 49	49.0	9.1	✓	

Thursday, November 13, 1913

B 13033 short

No.	Int.	Class	Remark
28	5	F ₅	
29	2	K ₀	
30	5	A ₀	
31	1	G ₅	
32	2	A ₅	
33	5	A ₂	
34	2	F ₅	
35	2	K ₅	
36	1	K ₅	
37	2	A ₀	
38	4	G ₅	
39	2	K ₅	
40	10	G ₅	
41	9	A ₀	
42	4	A ₀	
43	4	K ₀	
44	2	G ₅	Nearly all superposed on 43
45	7	F ₀	
46	3	A ₂	
47	5	A ₀	
48	2	A ₀	
49	1	K ₀	The preceding 2 two
50	2	G ₀	
51	1	G	
10.00	52	K	
53			
54			

cont. 134190.

28 - 49°	6283	11	27.8 - 49	44.6	8.5	1✓	
29 - 49°	6291	11	28.2 - 49	21.0	9.2	1✓	
30 - 49°	6261	11	26.5 - 49	21.0	8.9	1✓	
31 - 49°	6260	11	26.4 - 49	15.6	9.4	1✓	
32 - 49°	6307	11	29.5 - 49	7.6	9.6	1✓	
33 - 49°	6317	11	30.4 - 49	14.5	8.9	1✓	
34 - 49°	6332	11	31.1 - 49	0.3	9.3	1✓	
35 - 49°	6344	11	31.7 - 49	52.8	8.6	1✓	
36 - 49°	6354	11	32.4 - 49	30.6	9.2	1✓	supersd. 9.2
37 - 49°	6358	11	32.6 - 49	39.6	9.7	1✓	
38 - 48°	6618	11	28.0 - 48	7.5	8.3	1✓	
39 - 48°	6621	11	28.3 - 48	16.6	8.4	1✓	
40 - 48°	6630	11	29.0 - 48	27.0	5.8	1✓	
41 - 49°	6377	11	33.8 - 49	47.6	6.8	1✓	
42 - 49°	6390	11	34.5 - 49	30.2	9.1	1✓	
43 - 49°	6398	11	35.1 - 49	29.9	8.7	1✓	
44 - 49°	6399	11	35.2 - 49	30.6	9.3	1✓	
45 - 49°	6411	11	35.7 - 49	56.0	7.4	1✓	
46 - 49°	6423	11	36.6 - 49	37.0	9.1	1✓	
47 - 49°	6424	11	36.6 - 49	43.9	9.0	1✓	
48 - 50°	6233	11	34.5 - 50	17.3	9.5	1✓	
49 - 50°	6312	11	38.4 - 50	3.8	8.7	1✓	
50 - 48°	6586	11	25.7 - 48	44.6	9.3	1✓	48° 6587 11 25.7 - 48 44.6 magn. 10.0 supersd.
51 - 48°	6578 ⁸²	11	25.4 - 48	44.4	9.8	1✓	
52 - 48°	6577	11	25.3 - 48	59.0	9.4	1✓	

Identified by J. C. M. Jan. 16, 1914.
 Checked Feb. 25 1914 L.W.

Cards made out by G. R. B.

Cards checked by J. C. M.

10.09

Thursday, November 13, 1913

B40423 short

No.	Int.	Class	Remark
1	2	K ₂	
2	5	F ₀	
3	5	G ₅	
4	5	F ₀	
5	8	Q ₀	
6	2	K ₂	
7	3	K ₂	3, 6, 10
8	2	Q ₂	
9	3	Q ₀	
10	1	G ₅	
11	2	F ₂	
12	1	G ₅	
13	2	G ₅	
14	4	F ₀	
15	2	G ₅	
16	7	K ₂	
17	3	F ₈	
18	2	K ₀	
19	4	Q ₃	
20	4	F ₀	
21	8	Q ₂	Another star superposed on the
22	2	Q ₀	
23	1	G	Partly superposed on 15
24	4	F ₅	
25	8	K ₀	
26	1	K ₀	
27	2	K ₅	

1	-49°	7052	12	16.8	-49	56.5	8.7	✓
2	-50°	6934	12	15.9	-50	6.6	8.3	✓
3	-49°	7037	12	15.7	-49	59.6	8.0	✓
4	-49°	7074	12	18.3	-49	30.0	8.7	✓
5	-48°	7413	12	19.3	-48	53.6	7.3	✓
6	-49°	7066	12	17.7	-49	6.8	9.2	✓
7	-48°	7401	12	17.9	-48	44.9	8.3	✓
8	-48°	7397	12	17.3	-48	38.0	9.8	✓
9	-48°	7395	12	17.3	-48	18.7	9.8	✓
10	-48°	7393	12	17.1	-48	16.7	9.5	✓
11	-48°	7388	12	16.7	-48	55.4	9.9	✓
12	-49°	7051	12	16.7	-49	7.9	9.8	✓
13	-49°	7046	12	16.3	-49	19.4	9.1	✓
14	-49°	7044	12	16.2	-49	22.5	8.7	✓
15	-49°	7038	12	15.9	-49	8.8	9.7	✓
16	-49°	7024	12	15.1	-49	15.3	6.9	✓
17	-49°	7019	12	14.6	-49	30.3	9.2	✓
18	-49°	7017	12	14.5	-49	14.1	9.4	✓
19	-48°	7365	12	14.9	-48	56.2	9.2	✓
20	-48°	7379	12	15.8	-48	49.8	9.9	✓
21	-48°	7380	12	15.9	-48	37.7	8.1	✓
22	-48°	7384	12	16.1	-48	52.2	10	✓
23	-49°	7039	12	16.0	-49	8.8	10	✓
24	-49°	7039	12	16.0	-49	8.8	10	✓
25	-48°	7357	12	14.6	-48	31.2	9.5	✓
26	-48°	7343	12	13.1	-48	48.4	7.3	✓
27	-48°	7329	12	12.5	-48	57.7	9.5	✓
27	-48°	7324	12	11.9	-48	58.7	8.3	✓

-48° 10.3 after. magn. 10.
This star is abt. 100 ft.
comp. not being in sat.

Thursday, November 13, 1913

B40423 shot

No.	Int.	Class	Remark
28	2	A ₀	
29	1	F ₅ -	
30	2	A ₀	
31	3	A ₀	
32	6	A ₂	
33	5	G ₀	
34	2	A ₂	
35	4	A ₀	
36	1	K ₀	
37	2	G ₅ -	
38	2	K ₀	
39	3	A ₃	
40	3	G ₅ -	
41	1	K ₀	
42	6	A ₂	
43	2	A ₀	
44	4	A ₂	
45	6	F ₅ -	
46	9	F ₈	
47	1	K ₀	
47	2	K ₂	
49	5	F ₅ -	
50	3	K ₂	
51	3	F ₅ -	
52	2	M ₁	
53	5	K ₀	
10.16.	54	5	F ₅ -

28	-49°	6972	12	11.2	-49	2.2	9.6	✓
29	-49°	7008	12	13.9	-49	21.3	9.7	✓
30	-49°	6997	12	13.0	-49	30.1	9.6	✓
31	-49°	6984	12	11.9	-49	32.0	9.2	✓
32	-49°	6975	12	11.4	-49	28.0	8.7	✓
33	-49°	6973	12	11.2	-49	19.8	8.4	✓
34	-49°	6970	12	10.8	-49	45.6	9.3	✓
35	-49°	6969	12	10.8	-49	32.3	9.3	✓
36	-49°	6963	12	10.4	-49	13.8	9.1	✓
37	-49°	6957	12	9.9	-49	27.0	9.3	✓
38	-49°	6948	12	9.4	-49	34.9	9.1	✓
39	-49°	6953	12	9.5	-49	18.9	9.7	✓
40	-49°	6954	12	9.6	-49	13.0	8.7	✓
41	-48°	7292	12	9.9	-48	59.5	9.5	✓
42	-48°	7301	12	10.5	-48	48.4	8.8	✓
43	-48°	7306	12	10.9	-48	39.8	9.7	✓
44	-48°	7317	12	11.7	-48	22.0	9.6	✓
45	-48°	7311	12	11.4	-48	25.5	8.7	✓
46	-48°	7307	12	11.0	-48	13.7	7.3	✓
47	-48°	7302	12	10.5	-48	29.6	9.3	✓
48	-48°	7295	12	10.0	-48	28.3	9.1	✓
49	-48°	7276	12	8.6	-48	27.3	8.5	✓
50	-49°	6923	12	8.2	-49	5.5	8.4	✓
51	-49°	6904	12	7.0	-49	12.2	9.2	✓
52	-49°	6898	12	6.6	-49	30.5	8.6	✓
53	-49°	6878	12	5.5	-49	7.8	8.2	✓
54	-49°	6860	12	4.6	-49	19.0	8.3	✓

Thursday November 13, 1913

2.15

B40423 short

No.	Int.	class	Remarks
55	3	K2	
56	2	G0	
57	2	F0	
58	2	G5	
59	7	G5	
60	3	A0	
61	4	A0	
62	2	G0	
63	1	K	
64	4	K0	
65	2	K0	
66	1	G5	
67	6	A0	
68	6	K0	
69	2	F2	
70	5	G5	
71	5	G5	
72	7	A2	
73	2	K0	
74	4	A2	
75	2	A0	
76	5	K2	
77	6	F8	
78	1	A0	
79	2	K0	
80	2	A0	
81	2	A2	

55 - 48°	7247	12	6.8 - 48	31.2	8.5 ✓
56 - 48°	7238	12	6.0 - 48	18.6	9.6 ✓
57 - 48°	7229	12	5.5 - 48	37.5	9.5 ✓
58 - 48°	7219	12	4.6 - 48	54.8	9.3 ✓
59 - 48°	7198	12	3.6 - 48	28.9	8.0 ✓
60 - 48°	7197	12	3.6 - 48	52.6	9.5 ✓
61 - 48°	7194	12	3.4 - 48	48.6	9.4 ✓
62 - 48°	7184	12	3.1 - 48	42.1	9.9 ✓
63 - 48°	7181	12	3.0 - 48	38.7	9.2 ✓
64 - 49°	6831	12	2.7 - 49	7.6	9.1 ✓
65 - 49°	6827	12	2.4 - 49	17.5	9.3 ✓
66 - 49°	6833	12	2.8 - 49	24.8	9.7 ✓
67 - 49°	6815	12	1.7 - 49	18.7	9.4 ✓
68 - 49°	6810	12	1.4 - 49	16.4	8.3 ✓
69 - 49°	6806	12	1.1 - 49	13.3	9.9 ✓
70 - 49°	6803	12	0.7 - 49	45.4	9.0 ✓
71 - 49°	6791	11	59.7 - 49	33.0	9.1 ✓
72 - 50°	6710	12	2.6 - 50	27.0	9.0 ✓
73 - 50°	6702	12	2.2 - 50	21.2	9.2 ✓
74 - 50°	6684	12	1.4 - 50	13.9	9.0 ✓
75 - 50°	6677	12	1.0 - 50	14.0	9.9 ✓
76 - 48°	7140	11	59.8 - 48	33.7	8.9 ✓
77 - 49°	6786 6787	11	59.5 - 49	9.4 9.3	9.3 9.3 ✓
78 - 49°	6777	11	59.0 - 49	3.1	9.9 ✓
79 - 49°	6752	11	57.3 - 49	7.0	9.5 ✓
80 - 49°	6748	11	57.1 - 49	10.4	9.9 ✓
81 - 49°	6745	11	57.0 - 49	27.8	9.9 ✓

Thursday November 13, 1913

B40423 photo

No.	Sex.	class	Remarks
82	2	K2	
83	2	A0	
84	1	F5	
85	2	F2	
86	2	A0	
87	4	G0	
88	8	K0	
89	1	K2	
90	2	A3	
91	2	A0	
92	2	K0	
93	2	K5	
94	1	K0	
95	2	A0	
96	3	F8	
97	5	A3	
98	4	K0	
99	5	F0	
100	1	K5	
101	10+	A	Burned out.
102	4	A3	
103	1	G5	
104	2	G0	
105	1	F0	
106	7	K0	
107	2	A0	
108	4	F0	

82	-50°	6546	11	53.8 52.5	-50	3.6 26.6	9.2 9.6	✓
83	-50°	6546	11	52.5	-50	26.6	9.6	✓
84	-50°	6552	11	52.9	-50	25.6	9.8	✓
85	-48°	7098	11	57.6	-48	45.4	9.8	✓
86	-48°	7096	11	57.4	-48	39.0	9.7	✓
87	-48°	7099	11	57.6	-48	15.2	9.5	✓
88	-48°	7126	11	58.9	-48	18.6	7.7	✓
89	-47°	7377	12	0.1	-47	59.7	9.2	✓
90	-47°	7341	11	57.4	-47	45.9	9.7	✓
91	-47°	7362	11	59.0	-47	37.0	9.8	✓
92	-46°	7641	11	58.4	-46	58.8	9.1	✓
93	-47°	7390	12	1.2	-47	21.7	9.2	✓
94	-47°	7403	12	2.3	-47	13.6	9.4	✓
95	-47°	7415	12	3.1	-47	10.1	9.8	✓
96	-47°	7420	12	3.5	-47	2.9	9.7	✓
97	-46°	7727	12	3.6	-46	57.0	8.6	✓
98	-46°	7734	12	4.0	-46	54.8	8.6	✓
99	-47°	7426	12	3.7	-47	23.4	8.7	✓
100	-47°	7404	12	2.3	-47	41.4	9.3	-
101	-47°	7396	12	1.8	-47	59.7	6.1	✓
102	-48°	7185	12	3.1	-48	3.2	9.1	✓
103	-48°	7424	12	3.7	-48	54.6	9.5	✓
104	-47°	7445	12	5.5	-47	49.4	9.5	✓
105	-47°	7450	12	6.1	-47	46.2	9.7	✓
106	-46°	7751	12	5.2	-46	32.4	7.8	✓
107	-46°	7756	12	5.5	-46	53.6	9.5	✓
108	-46°	7764	12	6.2	-46	57.9	9.0	✓

Thursday November 13, 1913

B40423 short.

No.	Int.	Class
109	2	F8
110	8	A5
111	1	G0
112	2	F2
113	1	K0
114	1	K0
115	4	G0
116	1	K0
117	2	A3
118	4	A0
119	1	A0
120	3	A2
121	8	A0
122	5	A2
123	4	A5
124	8	A2
125	2	K0
126	1	M1
127	2	F5
128	1	G0
129	1	A2
130	2	F0
131	2	A2
132	2	G5
133	5	F0
134	9	A3
135	4	G5

109	-46°	7784	12	7.9	-48 ⁶	54.9	9.6	✓
110	-47°	7482	12	8.4	-47	15.2	8.3	✓
111	-47°	7470	12	7.6	-47	30.4	9.6	✓
112	-47°	7475	12	8.0	-47	44.5	9.6	✓
113	-47°	7479	12	8.2	-47	49.7	9.2	✓
114	-47°	7484	12	8.6	-47	44.6	9.4	✓
115	-47°	7484 ⁹⁰	12	9.1	-47	43.4	9.2	✓
116	-47°	7491	12	8.6	-47	44.6	9.4	✓
117	-47°	7498	12	9.1	-47	26.4	9.5	✓
118	-47°	7508	12	10.0	-47	40.6	9.6	✓
119	-47°	7514	12	10.7	-47	35.4	9.4	-47° 7510 super. 9.4
120	-47°	7521	12	11.0	-47	16.6	10	✓
121	-47°	7530	12	11.9	-47	14.8	9.8	✓
122	-47°	7530	12	12.7	-47	8.1	8.0	✓
123	-47°	7541	12	13.5	-47	6.2	8.9	✓
124	-47°	7545	12	13.7	-47	6.4	9.0	✓
125	-47°	7538	12	13.3	-47	37.4	7.7	✓
126	-48°	7348	12	13.5	-48	6.6	9.2	✓
127	-48°	7327	12	12.1	-48	10.0	9.4	✓
128	-47°	7552	12	14.3	-47	55.0	9.2	✓
129	-48°	7358	12	14.6	-48	9.5	9.5	✓
130	-48°	7370	12	15.1	-48	8.5	8.5	✓
131	-48°	7361	12	14.8	-48	0.3	9.5	✓
132	-47°	7562	12	15.6	-47	48.4	9.7	✓
133	-47°	7569	12	16.0	-47	57.5	9.4	✓
134	-47°	7557	12	14.6	-47	21.7	8.8	✓
135	-46°	7866	12	14.3	-46	45.7	7.2	✓
136	-46°	7796	12	5.5	-46	53.6	9.5	✓
137	-46°	7869	12	14.8	-46	34.4	8.9	✓

Thursday November 13, 1913

B40423. short

No.	Sex.	Class	Remarks
136	3	Ko	
137	4	A2	
138	1	Ko	
139	2	Fo	
140	1	F5	
141	2	A3	Another star superposed at south-
142	5	F8	
143	6	K5	
144	2	G5	Partly superposed on 143
145	4	G5	
146	1	F5	The following. The spec. is probably same type.
147	3	A2	
148	2	A2	
149	10	A	Burned out.
150	6	F8	
151	2	K2	
152	2	G0	
153	4	A3	
154	4	F5	
155	4	K2	
156	5	K2	
157	3	Ko	
158	2	G5	
159	3	G0	
2.30	160	3	A2
Fri. Nov. 14, 1913	161	1	G0
10.06	162	1	F8

136	-46°	7873	12	15.0	-46	49.7	8.9	✓	
137	-46°	7877	12	15.3	-46	19.3	9.5	✓	
138	-46°	7882	12	16.0	-46	26.3	9.3	✓	
139	-46°	7888	12	16.4	-46	56.8	9.8	✓	
140	-47°	7563	12	15.6	-47	27.7	9.6	✓	
141	-47°	7573	12	16.2	-47	21.0	9.8	✓	-47° 7572 super. 9.4
142	-47°	7595	12	18.5	-47	35.6 37.0	9.4 7.6	✓	
143	-47°	7595	12	18.5	-47	37.0	7.6	✓	
144	-47°	7596	12	18.5	-47	31.8	9.2	✓	
145	-48°	7419	12	19.7	-48	8.9	9.1	✓	-48° 7420 super. 9.4
146	-48°	7407	12	18.5	-48	21.9	9.7	✓	
147	-48°	7411	12	18.9	-48	35.5	9.8	✓	
148	-48°	7418	12	19.6	-48	41.9	9.7	✓	
149	-46°	7903	12	17.7	-46	40.8	6.8	✓	
150	-46°	7908	12	18.2	-46	27.6	8.4	✓	
151	-46°	7901	12	17.6	-46	9.0	9.3	✓	
152	-46°	7915	12	19.1	-46	11.8	9.4	✓	
153	-45°	7753	12	19.2	-45	47.4	9.0	✓	
154	-46°	7923	12	19.6	-46	57.4	9.3	✓	
155	-46°	7930	12	20.2	-46	54.0	8.6	✓	
156	-46°	7931	12	20.2	-46	42.2	8.6	✓	
157	-46°	7942	12	21.4	-46	38.5	9.0	✓	
158	-47°	7626	12	21.0	-47	0.3	9.6	✓	
159	-47°	7625	12	20.8	-47	26.0	9.3	✓	
160	-47°	7619	12	20.3	-47	20.2	9.8	✓	
161	-47°	7609	12	19.4	-47	33.2	9.6	✓	
162	-47°	7629	12	21.1	-47	49.4	9.5	✓	

Friday, November 14, 1913

<

B 40423 short

No.	Int.	Class	Remark
163	1	K ₂	
164	.1	G ₅	
165	4	K ₀	
166	4	G ₂	
167	6	K ₀	
168	2	G ₀	
169	3	K ₂	
170	.1	K _e	
171	1	G	
172	3	K ₅	
173	2	K ₀	
174	2	G ₅	
175	1	Ma	
176	2	G ₂	
177	3	G ₀	Another star superposed at south
178	3	F ₀	
179	2	G ₀	Another star superposed at south
180	1	K ₀	
181	4	G ₀	
182	2	F ₅	
183	.1	K	Partly superposed on 182
184	1	K ₂	
185	1	G ₅	
186	2	G ₅	
187	2	G ₀	
188	9	G ₀	
189	1	K ₀	

163	-48°	7435	12	20.7	-48	21.5	9.3	✓
164	-48°	7436	12	21.0	-48	14.6	9.5	✓
165	-48°	7440	12	21.2	-48	17.9	9.2	✓
166	-48°	7460	12	23.1	-48	10.6	9.4	✓ -48° 7461 super. 9.3
167	-46°	7965	12	23.9	-46	54.4	8.5	✓
168	-46°	7933	12	20.6	-46	8.0	10	✓
169	-46°	7937	12	20.9	-46	6.4	8.5	✓
170	-46°	7596	11	55.8	-46	31.8	9.5	✓
171	-46°	7589	11	55.3	-46	19.6	9.8	✓ aft. comp. not in cat.
172	-46°	7606	12 11	56.4	-46	22.5	8.5	✓
173	-46°	7625	11	57.4	-46	43.7	8.9	✓
174	-46°	7631	11	57.7	-46	40.1	8.9	✓
175	-46°	7644	11	58.7	-46	42.4	9.4	✓
176	-46°	7666	12	0.4	-46	45.6	9.7	✓
177	-46°	7680	12	1.1	-46	33.9	9.5	✓ -46° 7681 super. 9.3
178	-46°	7659	11	59.8	-46	9.8	9.2	✓
179	-46°	7653	11	59.4	-46	16.4	9.7	✓ -46° 7652 super. 9.7
180	-45°	7498	11	57.3	-45	53.6	9.4	✓
181	-45°	7491	11	56.7	-45	50.0	9.1	✓
182	-45°	7487	11	56.3	-45	42.5	9.5	✓
183	-45°	7488	11	56.4	-45	41.6	9.4	✓
184	-45°	7495	11	57.1	-45	27.6	9.4	✓
185	-45°	7511	11	58.1	-45	29.4	9.8	✓
186	-45°	7554	12	1.5	-45	13.8	9.1	✓
187	-45°	7558	12	1.8	-45	23.4	9.5	✓
188	-44°	7791	12	1.1	-44	53.2	7.5	✓
189	-44°	7797	12	1.5	-44	41.4	9.3	✓
						53.2	7.5	✓

Friday, November 14, 1913

B 40423 short

No.	Int.	Class	Remarks
190	4	K ₂	
191	2	F ₀	
192	7	A ₃	
193	4	K ₀	
194	8	G ₀	
195	3	A ₃	
196	6	A ₀	
197	4	A ₃	
198	4	K ₀	
199	5	K ₀	
200	10	K ₀	
201	4	K ₀	
202	4	A ₃	
203	2	K ₀	
204	4	G ₅	
205	8	K ₀	
206	3	K ₅	
207	1	K ₅	
208	2	G ₅	
209	2	A ₀	
210	3	G ₅	
211	2	A ₂	
212	3	K ₅	
213	1	F ₂	
214	2	K ₀	
215	1	K ₀	
216	1	K ₅	

190	-45°	7581	12	3.5	-45	30.7	8.3 ✓
191	-45°	7572	12	3.0	-45	46.6	9.8 ✓
192	-46°	7731	12	3.7	-46	17.3	8.5 ✓
193	-45°	7592	12	4.2	-45	50.0	8.4 ✓
194	-45°	7595	12	4.5	-45	37.7	8.1 ✓
195	-45°	7598	12	4.7	-45	41.8	9.2 ✓
196	-45°	7609	12	5.7	-45	43.2	8.7 ✓
197	-45°	7612	12	5.9	-45	40.4	9.1 ✓
198	-46°	7755	12	5.5	-46	6.4	8.7 ✓
199	-45°	7627	12	7.3	-45	23.6	8.4 ✓
200	-45°	7630	12	7.5	-45	1.8	6.7 ✓
201	-44°	7883	12	8.4	-44	48.0	8.3 ✓
202	-44°	7872	12	7.0	-44	28.5	8.9 ✓
203	-44°	7859	12	6.1	-44	50.0	9.2 ✓
204	-44°	7871	12	6.9	-44	55.9	9.2 ✓
205	-44°	7845	12	4.6	-44	43.9	7.0 ✓
206	-44°	7898	12	9.6	-44	32.7	8.2 ✓
207	-45°	7653	12	9.8	-45	14.1	9.1 ✓
208	-45°	7657	12	10.2	-45	10.2	9.3 ✓
209	-45°	7655	12	10.1	-45	2.0	9.5 ✓
210	-45°	7676	12	12.4	-45	11.0	9.3 ✓
211	-45°	7696	12	14.2	-45	37.0	9.5 ✓
212	-45°	7701	12	14.4	-45	57.2	8.2 ✓
213	-46°	7841	12	11.9	-46	8.2	9.6 ✓
214	-45°	7671	12	12.0	-45	56.6	9.3 ✓
215	-45°	7683	12	12.9	-45	53.2	9.4 ✓
216	-46°	7777	12	7.3	-46	37.4	9.2 ✓

Friday, November 14,

B40423 short

No.	Int.	Class	Remark
217	1	G ₀	
218	4	G ₀	
219	1	G ₀	Partly superposed on 218
220	2	G ₅	
221	1	Ma	
222	1	G ₅	
223	1	F ₅	
224	1	G ₅	
225	3	G ₅	
226	8	B ₉	
227	4	F ₂	The following of two
228	6	G ₀	
229	6	K ₂	
230	4	A ₂	
231	1	G ₅	
232	2	K ₀	
233	7	A ₂	
10.23 234	2	F ₈	
235	3	K ₀	
236	9	G ₀	
237			
238			
239			
237 240	9	A ₅	
241			
242			
243			

217	-46°	7798	12	8.9	-46	52.2	9.8	✓
218	-46°	7804	12	9.5	-46	42.2	9.2	✓ =46° 7808 super. 9.6
219	-46°	7808	12	9.6	-46	41.2	9.6	✓
220	-47°	7501	12	10.2	-47	2.8	9.5	✓
221	-46°	7820	12	10.4	-46	51.0	9.3	✓
222	-46°	7781	12	7.7	-46	2.6	9.7	✓
223	-45°	7660	12	10.3	-45	41.8	9.5	✓
224	-46°	7872	12	15.0	-46	8.4	9.7	✓
225	-45°	7733	12	17.3	-45	59.3	9.2	✓
226	-50°	6688	12	1.6	-50	4.1	6.4	✓
227	-49°	6905	12	7.1	-49	48.2	9.2	✓
228	-49°	6910	12	7.5	-49	47.6	9.4	✓
229	-50°	6874	12	11.7	-50	33.0	7.9	✓
230	-50°	6875	12	11.8	-50	28.5	9.3	✓
231	-50°	6889	12	12.5	-50	5.6	9.7	✓
232	-50°	6907 6875	12	13.8 11.8	-50	5.1 28.5	9.3	✓
233	-50°	6906	12	13.7	-50	31.2	7.7	✓
234	-50°	6917	12	14.8	-50	16.4	9.6	✓

Identified by J. C. M. Feb. 6, 1914.

Checked by Amc. Feb. 17, 1914

235	-48°	7249	12	7.0	-48	6.0	8.8	✓
236	-48	7426	12	20.2	-48	13.3	6.7	✓

Cards made out by G. R. B.

237 -48° 6884

7 on B10814

10.25

Friday, November 14, 1913

B 10814 long

No.	Dnt.	Class	Remark
1	6	A ₀	
2	5	F ₂	
3	4	F ₈	
4	4	F ₅	
5	6	A ₂	
6	4	A ₀	
7	5	A ₃	
8	5	B ₈	
9	5	A ₀	
10	4	B ₅	
11	3	A ₂	
12	5	K ₀	
13	5	K ₂	
14	4	A ₂	
15	4	Comp.	B _r = F ₂ F _t = A ₅
16	7	A ₀	
17	4	A ₀	
18	2	A ₂	
19	9	A ₀	
20	3	A ₀	
21	5	K ₀	
22	6	B ₉	
23	10+	B ₅	
24	4	A ₀	
25	6	B ₉	
26	2	A ₂	
27	8	B ₃	

1 - 45°	7438	11	52.8	-45	8.2	6.6	✓
2 - 46°	7521	11	50.5	-46	22.5	6.8	✓
3 - 45°	7444	11	53.2	-45	56.2	6.9	✓
4 - 47°	7273	11	52.0	-47	17.0	7.2	✓
5 - 47°	7335	11	56.7	-47	29.7	7.0	✓
6 - 48°	7018	11	53.1	-48	26.6	7.5	✓
7 - 48°	6984	11	51.1	-48	39.9	7.0	✓
8 - 48°	6899	11	45.8	-48	42.4	7.3	✓
9 - 51°	6084	11	43.9	-51	0.4	7.6	✓
10 - 50°	6375	11	42.8	-50	42.6	7.9	✓
11 - 50°	6415	11	45.5	-50	47.5	8.5	✓
12 - 51°	6208	11	50.8	-51	24.2	7.0	✓
13 - 51°	6236	11	52.8	-51	0.2	6.7	✓
14 - 52°	5081	11	52.3	-52	4.4	7.7	✓
15 - 51°	6290	11	55.9	-51	50.0	7.2	✓
16 - 50°	6630	11	57.9	-50	46.6	7.4	✓
17 - 48°	7081	11	56.7	-48	57.5	7.5	✓
18 - 49°	6768	11	58.2	-49	20.5	8.4	✓
19 - 47°	7396	12	1.8	-47	59.7	6.1	✓
20 - 50°	6758	12	5.3	-50	15.8	7.7	✓
21 - 50°	6752	12	5.0	-50	39.4	6.7	✓
22 - 51°	6417	12	3.1	-51	26.8	7.6	✓
23 - 51°	6455	12	5.1	-51	40.4	4.5	✓
24 - 52°	5332	12	6.0	-52	5.0	7.8	✓
25 - 51°	6557	12	11.6	-51	36.5	7.1	✓
26 - 50°	6906	12	13.7	-50	31.2	7.7	✓
27 - 50°	6975	12	19.8	-50	45.1	5.7	✓

Friday, November 14, 1913

B 10814 long

No.	Int.	Class	Remark
28	9	B ₂	
29	3	Q ₀	
30	3	Q ₅	
31	6	B ₉	
32	4	Q ₃	
33	2	Q ₂	
34	3	Q ₂	
35	2	Q ₀	
10.33	36	3	78
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			

28 - 49°	7115	12	21.3	-49	32.1	4.3 ✓
29 - 48°	7413	12	19.3	-48	53.6	7.3 ✓
30 - 48°	7426	12	20.2	-48	13.3	6.7 ✓
31 - 46°	7903	12	17.7	-46	40.8	6.8 ✓
32 - 46°	7866	12	14.3	-46	45.7	7.2 ✓
33 - 47°	7530	12	12.7	-47	8.1	8.0 ✓
34 - 47°	7538	12	13.3	-47	37.4	7.7 ✓
35 - 48°	7380	12	15.9	-48	37.7	8.1 ✓
36 - 48°	7307	12	11.0	-48	13.7	7.3 ✓

Identified by J. B. M. Jan. 14, 1914

Checked by A.M.C. Feb. 17, 1914

Cards ^{made up} checked by B. R. B.

Cards checked by A.M.C.

10.46

Friday, November 14, 1913

V

B 38957 short

No.	Int.	Class	Remark
1	6	B	Lines too indistinct to subdivide.
2	2	B ₉	
3	2	A ₂	
4	2	B ₅	
5	6	A ₀	
6	3	H ₀	
7	4	H ₀	
8	2	A ₂	
9	2	A ₀	
10	4	A ₀	
11	1	B ₅	Partly superposed on 10
12	2	B ₉	
13	4	A ₂	
14	2	A ₀	
15	2	F ₀	
16	3	B ₅	
17	1	A	Partly superposed on 16
18	2	A ₀	
19	1	A ₀	
20	1	B ₅	
21	2	A ₀	
22	7	B ₉	
23	2	A ₀	
24	3	A ₂	
25	3	A ₂	
26	2	H ₀	
27	2	H ₀	

1	-57°	4745	11	23.6	-57	8.7	7.7	Λ ^v
2	-56°	4556	11	25.0	-56	57.4	9.2	Λ ^v -56° 4555 11 25.0-56.56.11 magu. 9.4 superperiod
3	-56°	4583	11	27.0	-56	59.3	9.0	Λ ^v
4	-56°	⁹¹ 4586	11	27.2 ⁴	-56	^{50.2} 49.9	^{9.2} 10.0	Λ ^v
5	-56°	4596	11	27.8	-56	57.3	7.8	1 ^v
6	-56°	4603	11	28.5	-56	56.2	8.5	Λ ^v
7	-56°	4604	11	28.8	-56	27.6	8.6	Λ ^v
8	-56°	4643	11	31.3	-56	5.2	8.9	Λ ^v
9	-55°	4500	11	31.7	-55	49.0	8.8	Λ ^v
10	-56°	4653	11	32.1	-56	28.1	8.8	Λ ^v
11	-56°	4654	11	32.3	-56	22.5	9.2	Λ ^v
12	-56°	4661	11	32.9	-56	21.9	8.9	Λ ^v
13	-56°	4663	11	33.1	-56	21.3	8.6	Λ ^v
14	-56°	4664	11	33.3	-56	30.9	9.1	Λ ^v
15	-56°	4660	11	32.8	-56	48.0	9.0	Λ ^v
16	-56°	4668	11	33.6	-56	34.1	9.0	Λ ^v
17	-56°	4665	11	33.5	-56	40.5	9.1	Λ ^v
18	-55°	4559	11	36.1	-55	22.8	8.9	Λ ^v
19	-55°	4551	11	35.5	-55	55.9	9.2	Λ ^v
20	-56°	4696	11	35.4	-56	1.8	9.0	Λ ^v
21	-56°	4719	11	37.4	-56	29.5	9.1	Λ ^v
22	-57°	4894	11	33.2	-57	2.9	7.6	Λ ^v
23	-57°	4902	11	33.7	-57	17.1	8.9	Λ ^v
24	-57°	4905	11	34.3	-57	5.5	8.8	Λ ^v
25	-56°	4683	11	34.7	-56	59.5	8.8	Λ ^v
26	-56°	4689	11	35.2	-56	54.7	9.1	Λ ^v
27	-56°	4699	11	35.8	-56	52.4	8.9	Λ ^v

Friday, November 14, 1913

B 38957 short

No.	Int.	Class	Remark
28	4	A ₀	
29	8	A ₀	
30	2	G ₅	
31	1	G ₅	
32	1	K ₀	
33	5	K ₀	
34	1	G ₅	
35	5	A ₂	
36	3	F ₈	
37	2	A ₀	
38	3	A ₂	
39	5	B ₅	
40	7	B ₈	
41	4	B ₈	
42	3	A ₀	
43	9	K ₅	
44	3	B ₃	
45	2	A ₀	
46	8	B ₉	
47	1	K ₀	
48	1	B ₉	
49	2	F ₅	
50	7	A ₀	
51	2	A ₀	
52	2	K ₀	
53	2	A ₀	
54	1	G ₅	

28	-56°	4700	11	35.9	-56	57.8	8.7	Λ ^v
29	-56°	4706	11	36.3	-56	52.3	7.5	Λ ^v
30	-57°	4910	11	34.7	-57	24.7	8.8	Λ ^v
31	-57°	4931	11	36.0	-57	18.4	8.9	Λ ^v
32	-57°	4935	11	36.5	-57	11.8	9.3	Λ ^v
33	-57°	4948	11	37.5	-57	19.4	8.7	Λ ^v
34	-56°	4750	11	39.3	-56	52.9	9.2	Λ ^v
35	-56°	4758	11	40.0	-56	39.9	8.6	Λ ^v
36	-56°	4760	11	40.0	-56	44.7	9.0	Λ ^v
37	-57°	4970	11	39.5	-57	11.1	9.0	Λ ^v
38	-57°	4969	11	39.4	-57	26.0	9.0	Λ ^v
39	-57°	4971	11	40.0	-57	23.5	8.4	Λ ^v
40	-57°	4979	11	40.4	-57	20.2	8.0	Λ ^v
41	-57°	4978	11	40.3	-57	12.2	8.7	Λ ^v
42	-57°	4974	11	40.2	-57	17.5	8.8	Λ ^v
43	-57°	4989	11	41.2	-57	0.3	7.8	Λ ^v
44	-56°	⁸⁹ 4795	11	42.6	-56	^{44.3} 48.5	^{8.6} 8.8	Λ ^v
45	-56°	4795	11	42.6	-56	48.5	8.8	Λ ^v
46	-56°	4799	11	43.1	-56	59.8	7.8	Λ ^v
47	-56°	4810	11	43.8	-56	50.6	9.2	Λ ^v
48	-56°	4807	11	43.5	-56	48.6	9.0	Λ ^v
49	-56°	4815	11	44.0	-56	37.4	8.9	Λ ^v
50	-57°	5042	11	44.6	-57	8.1	8.3	Λ ^v
51	-57°	5057	11	45.3	-57	6.1	8.8	Λ ^v
52	-57°	5068	11	46.0	-57	6.3	8.8	-57° 5066 superfund ^{8.3}
53	-56°	4830	11	45.5	-56	55.3	9.0	Λ ^v
54	-56°	4832	11	45.7	-56	47.6	9.2	Λ ^v

Friday, November 14, 1913

B 38957 short

No.	Int.	Class	Remark.
55	10	B ₉	
56	2	B ₉	
57	3	A ₀	
58	3	A ₂	
59	2	A ₀	
60	2	B ₈	
61	5	K ₀	
62	8	A ₂	
63	1	A	Partly superposed on 62
64	5	F ₇	
65	3	A ₀	
66	3	A ₃	
67	1	A ₀	
68	2	M _a	
69	2	A ₂	The following of two.
70	8	A ₀	
71	5	K ₀	
72	5	A ₃	
73	6	B ₈	
74	4	B ₉	
75	1	A ₀	
76	3	A ₀	
77	2	K ₀	
78	2	A ₀	
79	1	B ₉	
80	1	K ₀	
81	4	A ₀	

55	-56°	4861	11	48.0	-56	42.8	7.5	Λ ^v
56	-56°	4852	11	47.0	-56	57.2	8.9	Λ ^v
57	-56°	4878	11	49.2	-56	54.2	8.8	Λ ^v
58	-56°	4875	11	49.1	-56	38.7	8.8	Λ ^v
59	-56°	4886	11	49.6	-56	31.6	8.8	Λ ^v
60	-56°	4895	11	50.4	-56	13.7	8.9	Λ ^v
61	-56°	4914	11	51.7	-56	10.1	8.5	Λ ^v
62	-56°	4926	11	53.1	-56	28.2	7.6	Λ ^v
63	-56°	4927	11	53.2	-56	24.3	9.2	Λ ^v
64	-56°	4938	11	53.8	-56	25.1	8.7	Λ ^v
65	-56°	4943	11	54.2	-56	13.4	9.0	Λ ^v
66	-56°	4941	11	53.9	-56	45.8	8.9	Λ ^v
67	-56°	4940	11	53.9	-56	59.6	9.3	Λ ^v
68	-56°	4944	11	54.3	-56	55.4	9.1	Λ ^v
69	-57°	5185	11	54.9	-57	2.3	8.9	Λ ^v
70	-56°	4954	11	55.1	-56	48.5	7.0	Λ ^v
71	-56°	4968	11	56.6	-56	33.7	8.1	Λ ^v
72	-56°	4976	11	57.2	-56	53.8	8.0	Λ ^v
73	-57°	5217	11	57.4	-57	2.8	7.9	Λ ^v
74	-56°	4990	11	58.2	-56	58.1	8.4	Λ ^v
75	-56°	4984	11	57.8	-56	40.1	7.7	Λ ^v
76	-56°	4968 ⁹⁴	11	58.3 56.6	-56	30.1 33.7	8.4	Λ ^v
77	-57°	5212	11	56.9	-57	12.2	8.9	Λ ^v
78	-57°	5177	11	54.4	-57	16.8	8.8	Λ ^v
79	-57°	5179	11	54.5	-57	22.3	7.9	Λ ^v
80	-57°	5189	11	55.1	-57	30.9	9.1	Λ ^v
81	-57°	5190	11	55.2	-57	47.2	8.8	Λ ^v

Friday, November 14, 1913

<

B38957 short

No.	Int.	Class	Remark
82	4	Ko	
83	4	Qo	
84	5	F2	
85	5	Qo	
86	1	Qo	
87	1	K2	
88	6	Qo	
89	4	Q5	
90	1	K2	
91	5	B9	
92	1	Ko	Partly superposed on 91 - 57° 51' 44" sep, same type of spec.
93	2	Qo	
94	5	Qo	
95	3	K5	The following of two
96	6	F5	
97	9	Qo	
98	2	Ko	
99	1	Ko	
11.07	100	4	B9
Saturday	101	2	B8
Nov. 15, 1913	102	1	Qo
10.18	103	2	Qo
	104	5	Qo
	105	3	B9
	106	3	Q2
	107	2	Qo
	108	1	Ko

82	-57°	5155	11	52.7	-57	45.0	8.6	✓
83	-57°	5164	11	53.3	-57	38.9	8.8	✓
84	-58°	3939	11	50.2	-58	7.5	8.4	✓
85	-57°	5128	11	50.9	-57	45.6	8.4	✓
86	-57°	5118	11	50.3	-57	44.2	9.1	✓
87	-57°	5122	11	50.6	-57	43.1	9.0	✓
88	-57°	5123	11	50.7	-57	37.3	8.5	✓
89	-57°	5105	11	49.5	-57	17.4	8.8	✓
90	-57°	5131	11	51.0	-57	21.3	9.0	✓
91	-57°	5142	11	52.1	-57	17.4	8.8	✓
92	-57°	5144 5145	11	52.7 52.2	-57	17.4 17.7	9.0 9.2	✓
93	-57°	5152	11	52.6	-57	16.7	9.0	✓
94	-57°	4981	11	40.6	-57	56.2	8.4	✓
95	-57°	4991	11	41.3	-57	38.9	8.9	✓
96	-57°	4998	11	41.5	-57	38.1	8.5	✓
97	-57°	5008	11	42.1	-57	31.5	7.9	✓
98	-57°	5006	11	42.0	-57	18.0	8.9	✓
99	-57°	4999	11	41.6	-57	11.3	9.1	✓
100	-58°	3843	11	41.0	-58	21.7	8.4	✓
101	-58°	3844	11	41.1	-58	54.9	9.2	✓
102	-58°	3856	11	42.0	-58	43.4	9.1	✓
103	-58°	3860	11	42.3	-58	31.9	9.0	✓
104	-58°	3868	11	43.6	-58	34.5	8.5	✓
105	-58°	3875	11	44.0	-58	39.4	8.5	✓
106	-58°	3890	11	46.0	-58	21.3	8.5	✓
107	-58°	3877	11	44.3	-58	4.3	8.7	✓
108	-57°	5036	11	44.3	-57	35.6	9.2	✓

Saturday November 15, 1913

B 38957 short

No.	Int.	Class	Remark
109	3	A ₀	
110	2	A ₀	
111	4	F ₅	
112	1	A ₀	
113	2	K ₀	
114	2	B ₉	
115	3	B ₈	
116	4	B ₈	
117	4	A ₀	
118	1	K ₀	
119	1	A ₂	
120	4	B ₅	
121	2	F ₅	
122	2	A ₀	
123	4	F ₀	
124	2	A ₂	
125	1	A ₀	
126	3	K ₀	
127	5	B ₅	
128	4	B ₅	
129	2	A ₀	
130	2	A ₀	
131	6	B ₉	
132	6	A ₀	
133	2	A ₀	
134	1	A ₀	
135	4	B ₅	

109	-57°	5039	11	44.5	-57	31.9	8.8	11
110	-57°	5067	11	45.9	-57	25.4	8.9	11
111	-57°	5076	11	46.9	-57	33.4	8.4	11
112	-57°	5096	11	48.2	-57	7.1	8.9	11
113	-57°	5095	11	48.1	-57	58.5	9.0	11
114	-58°	3923	11	48.7	-58	30.6	8.9	11
115	-58°	3908	11	47.7	-58	51.0	8.8	11
116	-59°	3893	11	46.8	-59	4.6	8.7	11
117	-58°	3897	11	46.7	-58	52.4	9.0	11
118	-59°	3892	11	46.7	-59	17.9	9.3	11
119	-59°	3901	11	47.2	-59	17.3	9.0	11
120	-59°	3910	11	47.5	-59	34.2	8.4	11
121	-59°	3887	11	46.5	-59	50.8	9.0	11
122	-59°	3914	11	47.8	-59	49.1	9.0	11
123	-59°	3922	11	48.5	-59	59.4	8.5	11
124	-59°	3934	11	49.2	-59	43.2	8.8	11
125	-59°	3929	11	48.8	-59	36.9	9.0	11
126	-59°	3935	11	49.2	-59	18.2	9.0	11
127	-59°	3942	11	49.8	-59	30.9	8.2	11
128	-59°	3959	11	50.6	-59	7.6	8.2	11
129	-58°	3949	11	51.4	-58	52.1	9.0	11
130	-58°	3952	11	51.5	-58	55.1	8.9	11
131	-58°	3958	11	51.8	-58	53.8	8.0	11
132	-59°	3971	11	52.0	-59	3.7	7.6	11
133	-59°	3972	11	52.2	-59	9.2	8.4	11
134	-58°	3970	11	52.2	-58	55.6	9.3	11
135	-58°	3978	11	52.5	-58	57.1	8.4	11

Saturday November 15, 1913

B 38957 short

No.	Sub.	Class	Remarks
136	1	Ao	
137	1	Ao	
138	3	Bg	
139	1	Ao	
140	3	A2	
141	1	A2	
142	2	Ao	
143	9	Ao	
144	3	Ao	
145	5	Ao	
146	3	Bg	
147	4	Ao	
148	4	A2	
149	3	A5	
150	4	Ao	
151	4	A2	
152	3	Ao	
153	3	B2	
154	1	Ao	
155	1	Ko	
156	1	B	Almost cont.
157	3	Ko	
158	1	Ao	
159	2	Ao	
160	2	Ao	
161	2	Ao	
162	1	Ao	

136	-58°	3995	11	53.4	-58	56.9	9.0	1✓
137	-58°	3997	11	53.5	-58	42.8	8.9	1✓
138	-58°	4013	11	54.7	-58	53.8	8.7	1✓
139	-58°	3994	11	53.4	-58	29.8	9.2	1✓
140	-58°	4020	11	55.1	-58	12.8	8.8	1✓
141	-58°	4029	11	55.9	-58	30.1	9.0	1✓
142	-58°	4033	11	56.2	-58	38.3	8.9	1✓
143	-58°	4058	11	58.3	-58	33.3	6.8	1✓
144	-58°	4075	11	59.3	-58	26.0	8.7	1✓
145	-58°	4079	11	59.9	-58	26.8	8.0	1✓
146	-58°	4080	11	59.9	-58	4.0	8.7	1✓
147	-57°	5257	12	0.8	-57	54.4	8.2	1✓
148	-57°	5260	12	0.9	-57	53.2	8.3	1✓
149	-58°	4095	12	1.5	-58	3.4	8.4	1✓
150	-57°	5253	12	0.5	-57	36.6	8.4	1✓
151	-57°	5234	11	58.9	-57	23.1	8.4	1✓
152	-57°	5227	12	58.2	-57	48.0	8.4	1✓
153	-58°	4048	11	57.6	-58	1.7	8.5	1✓
154	-57°	5209	11	56.6	-57	23.9	9.1	1✓
155	-57°	5204	11	56.3	-57	23.8	8.9	1✓
156	-57°	5199	11	56.1	-57	32.8	8.9	1✓
157	-57°	5022	12	0.8	-56	52.0	8.8	1✓
158	-56°	5013	12	0.2	-56	51.0	9.2	1✓
159	-56°	5030	12	1.9	-56	32.8	8.8	1✓
160	-57°	5284	12	3.5	-57	4.1	8.6	1✓
161	-57°	5299	12	4.5	-57	2.8	8.8	1✓
162	-57°	5303	12	4.7	-57	0.9	8.8	1✓

Saturday Nov. 15, 1913

B 38957 short

No.	Sub.	Class	Remarks
163	7	A3	
164	1	Ko	
165	1	Ko	
166	2	Go	
167	2	A5	
168	3	Ao	
169	2	Ao	
170	3	Ao	
171	3	A2	
172	5	Ao	
173	1	Go	Sp. not well defined. Some lines very strong.
174	4	Ko	
175	6	B8	
176	3	F5	
177	7	B5	
178	1	Ko	
179	2	A3	
180	2	K2	
181	5	Ko	
182	1	Ko	Partly superposed on 181
183	7	Fo	
184	6	Ao	
185	2	Ao	
186	5	B5	
187	1	G5	
188	3	G5	
189	7	B9	

163	-57°	5277	12	3.1	-57	39.1	7.6	Λ ✓
164	-57°	5276	12	3.1	-57	27.6	9.2	Λ ✓
165	-57°	5298	12	4.4	-57	41.4	9.3	Λ ✓
166	-57°	5306	12	5.0	-57	33.6	8.8	Λ ✓
167	-58°	4111	12	2.7	-58	0.9	9.0	Λ ✓
168	-58°	4119	12	3.3	-58	16.7	8.9	Λ ✓
169	-58°	4133	12	4.2	-58	7.2	8.8	Λ ✓
170	-58°	4147	12	5.0	-58	2.7	8.9	Λ ✓
171	-58°	4153	12	5.5	-58	19.2	8.6	Λ ✓
172	-58°	4156	12	5.6	-58	7.4	8.4	Λ ✓
173	-58°	4151	12	5.4	-58	5.3	8.8	Λ ✓
174	-58°	4135	12	4.2	-58	34.9	8.4	Λ ✓
175	-58°	4094	12	1.4	-58	35.8	8.1	Λ ✓
176	-58°	4104	12	2.1	-58	47.4	8.6	Λ ✓
177	-59°	4080	12	2.9	-59	4.4	7.2	Λ ✓
178	-58°	4137	12	4.4	-58	51.6	9.0	Λ ✓
179	-58°	4155	12	5.6	-58	44.8	8.7	Λ ✓
180	-58°	4159	12	5.8	-58	49.1	8.6	Λ ✓
181	-58°	4164	12	6.3	-58	57.7	8.4	Λ ✓
182	-58°	4165	12	6.4	-58	58.1	9.0	Λ ✓
183	-59°	4097	12	5.9	-59	22.2	7.7	Λ ✓
184	-59°	4102	12	6.1	-59	20.7	7.7	Λ ✓
185	-59°	4125	12	7.7	-59	20.7	8.6	Λ ✓
186	-58°	4174	12	7.4	-58	42.1	7.8	Λ ✓
187	-58°	4161	12	6.1	-58	43.4	9.0	Λ ✓
188	-58°	4192	12	8.9	-58	29.1	8.6	Λ ✓
189	-58°	4177	12	7.6	-58	10.9	7.8	Λ ✓

Saturday November 15, 1913

B 389 57 short.

No.	Dist.	Class	Remark
190	2	A	Clearly all superposed on 189
191	6	A ₀	
192	4	F8	
193	1	K5	
194	5	A ₂	
195	6	A ₀	
196	2	B ₉	
197	1	G5	
198	1	K5	
199	1	A ₀	
200	3	F ₀	
201	2	K ₂	
202	4	A ₀	
203	2	A ₀	
204	3	F ₅	
205	2	A ₀	
206	3	A ₀	
207	2	G5	
208	3	B ₉	
209	3	G5	
210	2	B ₉	
211	1	A	
212	7	B ₉	
213	1	B	almost cont.
214	1	A ₂	
215	7	K ₀	
216	2	A ₀	

190	-58°	4176	12	7.6	-58	7.5	8.6	Λ✓
191	-57°	5338	12	7.4	-57	14.8	7.9	Λ✓
192	-56°	5099	12	6.8	-56	11.8	8.6	Λ✓
193	-56°	5077	12	4.9	-56	5.5	9.0	Λ✓
194	-56°	5066	12	4.4	-56	0.0	8.6	Λ✓
195	-56°	5064	12	4.2	-56	0.7	8.4	Λ✓
196	-56°	5059 5068	12 12	3.8 4.5	-56 -56	15.6 13.7	8.8 9.1	Λ✓ Λ✓
197	-56°	5055 5059	12 12	3.8 3.8	-56 -56	17.6 15.6	9.0 8.8	Λ✓ Λ✓
198	-56°	5050	12	3.4	-56	19.2	9.1	Λ✓
199	-56°	5053	12	3.5	-56	13.0	9.0	Λ✓
200	-58°	4087	12	0.5	-58	59.9	8.6	Λ✓
201	-59°	4054	12	0.3	-59	3.5	8.9	Λ✓
202	-58°	4085	12	0.4	-58	53.7	8.4	Λ✓
203	-59°	4048	11	59.2	-59	4.5	8.6	Λ✓
204	-59°	4044	11	58.5	-59	9.7	8.6	Λ✓
205	-59°	4032	11	57.3	-59	3.4	8.8	Λ✓
206	-59°	4026	11	56.4	-59	28.8	8.9	Λ✓
207	-59°	4019	11	56.0	-59	17.4	8.4	Λ✓
208	-59°	4015	11	55.6	-59	17.1	8.6	Λ✓
209	-59°	3995	11	54.2	-59	15.7	8.9	Λ✓
210	-59°	4008	11	55.2	-59	39.0	9.0	Λ✓
211	-59°	4007	11	55.0	-59	36.2	9.0	Λ✓
212	-60°	3557	11	53.3	-60	6.5	8.2	Λ✓
213	-59°	3974	11	52.3	-59	57.6	9.0	Λ✓
214	-59°	3975	11	52.4	-59	46.9	9.2	Λ✓
215	-59°	3964	11	51.5	-59	45.2	8.2	Λ✓
216	-59°	3967	11	51.6	-59	23.0	9.0	Λ✓

Saturday November 15, 1913

1338957 short

No.	Int.	Class	Remark
217	2	Ao	
218	1	A	
219	4	K2	
220	2	B ₉	
221	1	Ma	
222	6	B ₉	
223	1	Ao	
224	2	Ao	
225	2	A	Another star superposed at ^{at} North-
226	4	B ₉	
227	5	B ₉	
228	7	B ₈	
229	2	Ao	Partly superposed on 228
230	2	Ko	--- --- ---
231	1	Ao	
232	5	B ₃	
233	6	K ₅	
234	6	G ₀	
235	2	Ao	Partly superposed on 234, lines indistinct
236	4	Ao	
237	1	K ₂	
238	1	Ao	
239	2	Ko	
240	3	Ao	
241	3	B ₉	
242	6	K ₀	
243	7	K ₂	

217	-60°	3504	11	49.4	-60	7.8	9.0	Λ ^r	
218	-60°	3516	11	50.4	-60	16.4	9.4	Λ ^r	
219	-60°	3530	11	51.2	-60	25.7	9.0	Λ ^r	
220	-60°	3541	11	52.3	-60	28.1	9.0	Λ ^r	
221	-60°	3549	11	53.0	-60	33.3	9.6	Λ ^r	
222	-60°	3572	11	54.0	-60	40.3	8.4	Λ ^r	
223	-60°	3577	11	54.2	-60	42.1	9.0	Λ ^r	
224	-60°	3587	11	54.5	-60	44.8	9.2	Λ ^r	
225	-60°	3633	11	56.2	-60	3.3	8.7	Λ ^r	-60° 3632 super. 9.7
226	-60°	3642	11	56.4	-60	13.7	8.8	Λ ^r	
227	-60°	3647	11	56.6	-60	13.2	8.8	Λ ^r	-60° 3648 super. 9.4
228	-60°	3663	11	57.1	-60	24.0	7.8	Λ ^r	
229	-60°	3664	11	57.2	-60	22.8	8.7	Λ ^r	
230	-60°	3665	11	57.2	-60	15.0	9.0	Λ ^r	
231	-60°	3679	11	57.8	-60	8.8	9.3	Λ ^r	
232	-60°	3683	11	58.0	-60	20.3	8.2	Λ ^r	-60° 3682 super. 9.6
233	-60°	3697	11	58.5	-60	16.2	8.5	Λ ^r	
234	-60°	3704	11	58.7	-60	29.0	8.2	Λ ^r	
235	-60°	3706	11	58.8	-60	30.2	8.5	Λ ^r	
236	-60°	3712	11	59.0	-60	38.9	8.7	Λ ^r	
237	-59°	4027	11	56.8	-59	40.6	9.1	Λ ^r	
238	-59°	4031	11	57.2	-59	48.0	9.0	Λ ^r	
239	-60°	3701	11	58.6	-60	10.2	9.0	Λ ^r	-60° 3702 super. 9.4
240	-60°	3716	11	59.2	-60	11.2	9.0	Λ ^r	-60° 3714 super. 9.4
241	-60°	3763	12	1.3	-60	2.6	8.7	Λ ^r	
242	-60°	3771	12	1.7	-60	5.2	8.2	Λ ^r	
243	-60°	3777	12	1.9	-60	9.1	8.4	Λ ^r	

Saturday Nov. 15, 1913

B38957 chad

No.	Int.	Class	Remark
244	2	K2	
245	2	K5	
246	4	A3	Uncertain. Region of low K superposed on 247
247	4	B9	
248	3	A0	
249	2	F2	
250	3	G5	
251	3	A0	
252	2	A0	
253	1	A0	
254	4	B8	
255	2	A0	Other stars in a cluster superposed
256	2	B5	
257	4	G0	
258	2	A2	
259	2	G0	
260	2	A0	
261	1	A0	
262	1	K5	
263	2	G5	
264	2	G5	
265	3	B9	
266	1	A	Nearly all superposed on 265
267	6	A0	
268	2	F2	
269	3	A2	
270	4	A0	

244	-60°	3772	12	1.7	-60	24.9	9.0	1 ^r
245	-60°	3780	12	2.0	-60	33.2	9.2	1 ^v
246	-60°	3797	12	2.9	-60	20.6	8.4	1 ^r -60° 3799 super. 9.6
247	-60°	3796	12	2.9	-60	15.4	8.4	1 ^r
248	-60°	3805	12	4.1	-60	16.7	8.6	1 ^r
249	-59°	4078	12	2.7	-59	47.9	8.9	1 ^r
250	-60°	3832	12	6.5	-60	22.6	8.7	1 ^v
251	-60°	3840	12	7.1	-60	30.0	8.5	1 ^v
252	-59°	4114	12	6.8	-59	59.1	8.6	1 ^r
253	-59°	4115	12	7.0	-59	54.0	8.8	1 ^r
254	-60°	3733	12	0.1	-60	23.2	8.6	1 ^r
255	-60°	3744	12	0.3	-60	29.4	8.8	1 ^r n. + br. star. in ducta.
256	-60°	3757	12	0.7	-60	34.1	8.7	1 ^r
257	-58°	3677	11	25.0	-58	7.3	8.0	1 ^r
258	-58°	3683	11	25.4	-58	8.8	8.6	1 ^r
259	-57°	4789	11	26.4	-57	49.0	9.0	1 ^r
260	-57°	4794	11	26.7	-57	39.0	9.0	1 ^r
261	-57°	4769	11	25.2	-57	34.9	9.4	1 ^r
262	-57°	4758	11	24.5	-57	21.6	9.4	1 ^v
263	-57°	4776	11	25.6	-57	0.7	9.4	1 ^r
264	-57°	4797	11	26.9	-57	21.8	9.5	1 ^r
265	-57°	4804	11	27.3	-57	27.8	9.0	1 ^r
266	-57°	4805	11	27.4	-57	24.3	9.3	1 ^v
267	-57°	4819	11	28.7	-57	25.0	8.2	1 ^r
268	-57°	4825	11	28.9	-57	34.6	8.7	1 ^r
269	-57°	4839	11	29.7	-57	32.2	8.4	1 ^v
270	-57°	4853	11	30.3	-57	24.3	8.4	1 ^v

Saturday Nov. 15, 1913

B 38957 short.

No.	Det.	Class	Remark
271	2	A ₀	
272	3	B ₈	
273	5	G ₅	
274	1	B ₉	
275	5	G ₅	
276	2	K ₀	
277	2	K ₀	
278	1	K ₀	
279	5	A ₂	
280	5	G ₅	
281	3	K ₀	
282	2	G ₀	
283	1	G ₅	
284	1	B ₈	
285	1	A ₀	
286	1	A ₀	
287	3	A ₅	
288	3	A ₃	
289	3	A ₀	
290	2	A ₀	
291	3	A ₅	
292	2	K ₅	
293	2	K ₅	
294	3	B ₉	
295	2	A ₀	Another star superposed at north.
296	1	A ₃	
297	2	K ₅	

271	-57°	4870	11	31.4	-57	49.3	8.8	Λ ^v
272	-57°	4878	11	32.1	-57	55.7	8.6	Λ ^v
273	-57°	4893	11	33.2	-57	54.3	8.1	Λ ^v
274	-58°	3772	11	33.2	-58	7.0	8.9	Λ ^v
275	-58°	3778	11	34.2	-58	18.5	8.0	Λ ^v
276	-58°	3791	11	35.7	-58	2.8	8.7	Λ ^v
277	-58°	3795	11	35.9	-58	25.9	9.1	Λ ^v
278	-58°	3799	11	36.2	-58	33.9	9.0	Λ ^v
279	-58°	3821	11	38.8	-58	39.5	8.0	Λ ^v
280	-58°	3823	11	38.8	-58	0.6	8.0	Λ ^v
281	-57°	4959	11	38.2	-57	44.8	8.8	Λ ^v
282	-57°	4964	11	38.8	-57	34.2	8.8	Λ ^v
283	-57°	4958	11	38.0	-57	35.0	8.9	Λ ^v
284	-57°	4934	11	36.4	-57	40.8	9.2	Λ ^v
285	-57°	4895	11	33.2	-57	29.3	9.0	Λ ^v
286	-57°	4883	11	32.7	-57	34.1	9.2	Λ ^v
287	-58°	3742	11	30.7	-58	13.6	8.9	Λ ^v
288	-58°	3746	11	30.9	-58	16.2	8.8	Λ ^v
289	-58°	3712	11	28.2	-58	26.0	8.8	Λ ^v
290	-58°	3720	11	28.7	-58	27.8	8.8	Λ ^v
291	-58°	3727	11	29.0	-58	27.0	8.6	Λ ^v
292	-58°	3726	11	28.9	-58	16.3	9.2	Λ ^v
293	-58°	3741	11	30.6	-58	44.3	9.0	Λ ^v
294	-58°	3748	11	30.9	-58	40.0	8.7	Λ ^v
295	-58°	3756	11	31.7	-58	34.0	9.0	Λ ^v
296	-58°	3758	11	31.8	-58	49.9	9.2	Λ ^v
297	-58°	3769	11	32.5	-58	50.2	9.1	Λ ^v

-58° 3759 super. 9.5

Saturday Nov. 15, 1913

B 38957 photo

	No.	Dist.	Class	Remark
	298	5	B9	
	299	4	B5	
	300	2	B9	
11.00	301	8	B8	
Mon. Nov. 17	302	3	K0	
10.07	303	3	Ma	
	304	5	Mb	
	305	6	B9	
	306	4	F8	
	307	7	B9	Another star appeared at south
	308	2	F0	
	309	7	K0	
	310	3	K5	
	311	5	K0	
	312	2	B8	
	313	2	K2	
	314	4	B9	
	315	2	K5	
	316	1	B8	
	317	2	B8	
	318	3	F8	
	319	6	B5	
	320	2	K5	
	321	1	A0	
	322	4	B8	
	323	2	A0	
	324	3	A0	

298	-59°	3640	11	31.0	-59	12.7	8.4	1 ^v	
299	-59°	3635	11	30.4	-59	19.2	8.4	1 ^v	
300	-59°	3638	11	30.6	-59	4.8	8.9	1 ^v	
301	-59°	3649	11	31.7	-59	40.3	7.5	1 ^v	
302	-60°	3190	11	31.5	-60	2.8	8.6	1 ^v	
303	-60°	3178	11	31.1	-60	29.3	8.7	1 ^v	
304	-60°	3196	11	31.7	-60	12.8	8.2	1 ^v	-60° 3198 11 318-60 12.1 mag. 9.4 Super pos
305	-60°	3201	11	31.8	-60	17.4	7.6	1 ^v	
306	-60°	3222	11	33.6	-60	28.2	8.4	1 ^v	
307	-60°	3231	11	34.2	-60	29.5	7.5	1 ^v	-60° 3227 ^{1^v} super. 9.4 3228 ^{1^v} 9.5
308	-60°	3233	11	34.3	-60	43.1	8.6	1 ^v	
309	-60°	3248	11	35.2	-60	26.9	8.1	1 ^v	
310	-60°	3239	11	34.9	-60	17.2	8.6	1 ^v	
311	-60°	3246	11	35.1	-60	13.9	8.4	1 ^v	
312	-60°	3254	11	35.6	-60	18.1	8.6	1 ^v	
313	-60°	3266	11	36.4	-60	16.1	9.0	1 ^v	
314	-59°	3725	11	36.6	-59	59.1	8.2	1 ^v	
315	-59°	3728	11	36.7	-59	43.6	8.8	1 ^v	
316	-59°	3729	11	36.8	-59	59.1	8.8	1 ^v	
317	-59°	3734	11	37.0	-59	57.6	8.7	1 ^v	
318	-59°	3755	11	38.1	-59	46.0	8.3	1 ^v	
319	-59°	3765	11	38.7	-59	42.4	7.4	1 ^v	
320	-60°	3298	11	38.6	-60	9.4	8.8	1 ^v	
321	-60°	3299	11	38.8	-60	29.7	9.1	1 ^v	
322	-60°	3274	11	36.8	-60	48.9	8.2	1 ^v	
323	-60°	3297	11	38.4	-60	47.5	8.9	1 ^v	
324	-60°	3304	11	39.1	-60	49.3	8.4	1 ^v	

Monday, November 17, 1913

J

B38957 short

No.	Int.	Class	Remark
325	5	A ₀	
326	10+	K	
327	5	B8	
328	2	B9	
329	1	B9	
330	2	B8	
331	5	B8	
332	2	B8	
333	2	M5	
334	4	B5	
335	5	F7	
336	1	A	
337	1	A	
338	4	A ₀	
339	1	K ₀	
340	1	K ₀	
341	1	F ₀	
342	1	A ₀	
343	1	K ₂	
344	1	A ₀	
345	4	A ₅	
346	2	A ₀	
347	1	K ₀	
348	4	F ₀	
349	4	A ₀	
350	3	A ₂	
351	3	B9	

325	-60°	3312	11	39.6	-60	30.3	8.4	1 v
326	-60°	3325	11	40.4	-60	29.0	5.7	1 v
327	-60°	3330	11	40.8	-60	20.7	8.1	1 v
328	-60°	3334	11	41.0	-60	26.1	8.7	1 v
329	-60°	3335	11	41.2	-60	27.9	8.8	1 v
330	-60°	3336	11	41.2	-60	12.0	8.6	1 v
331	-59°	3803	11	41.5	-59	55.9	8.2	1 v
332	-59°	3809	11	41.9	-59	52.2	8.2	1 v
333	-59°	3832	11	43.3	-59	43.9	9.0	1 v
334	-60°	3415	11	44.4	-60	6.0	8.4	1 v
335	-59°	3858	11	44.9	-59	29.0	8.5	1 v
336	-59°	3885	11	46.4	-59	37.7	9.4	1 v
337	-59°	3872 ⁵	11	45.8 46.0	-59	49.0 50.1	9.3	1 v
338	-59°	3806	11	41.6	-59	25.1	8.6	1 v
339	-59°	3800	11	41.2	-59	21.8	9.1	1 v
340	-59°	3786	11	40.5	-59	31.8	9.4	1 v
341	-59°	3780	11	39.9	-59	50.1	8.9	1 v
342	-60°	3310	11	39.4	-60	0.5	9.2	1 v
343	-59°	3775	11	39.5	-59	50.2	9.2	1 v
344	-59°	3675	11	33.1	-59	11.9	9.0	1 v
345	-59°	3678	11	33.6	-59	4.9	8.7	1 v
346	-59°	3681	11	33.8	-59	28.8	8.7	1 v
347	-59°	3668	11	32.5	-59	32.6	9.2	1 v
348	-59°	3692	11	34.6	-59	47.0	8.4	1 v
349	-59°	3697	11	35.1	-59	55.1	8.4	1 v
350	-59°	3699	11	35.2	-59	17.8	8.4	1 v
351	-59°	3706	11	35.5	-59	11.0	8.5	1 v

Monday, November 17, 1913

B38957 short

No.	Int.	Class	Remark
352	1	No	
353	1	No	
354	3	B8	
355	5	B8	
356	2	B8	
357	7	Fo	
358	3	B9	
359	3	F8	
360	1	A	
361	2	No	
362	2	B5	
363	3	B8	
364	2	Fo	
365	4	B ₀	
10.20 366	4	A ₀	
367			
368			
369			
370			
371			
372			
373			

cont 133, 32

352	-59°	3709	11	35.5	-59	3.7	9.3	^
353	-59°	3739	11	37.1	-59	6.9	9.1	^
354	-59°	3732	11	36.9	-59	22.8	8.5	^
355	-59°	3736	11	37.1	-59	14.8	8.2	^
356	-59°	3714	11	35.8	-59	32.1	8.8	^
357	-59°	3717	11	35.9	-59	32.1	7.6	^
358	-59°	3750	11	37.6	-59	26.1	8.5	^ -59° 3751 ^{partly} _{super.} 8.8
359	-59°	3754	11	37.9	-59	18.7	8.5	^
360	-59°	3763	11	38.4	-59	18.5	8.5	^
361	-61°	2619	11	40.9	-61	0.2	8.9	^
362	-60°	3333	11	40.9	-60	46.1	8.9	^
363	-60°	3356	11	42.3	-60	55.6	8.7	^
364	-60°	3412	11	44.3	-60	52.1	9.0	^
365	-60°	3454	11	46.3	-60	49.8	8.5	^
366	-60°	3473	11	47.3	-60	35.0	8.5	^

Identified by J.C.M. Feb. 24, 1914.

(excepting No. 92)
Checked March 25, 1914 J.D.W.

bards made out by S.C.S.

Cards checked by S.R.B.

1913phae.proj.2149C

1913pne.proj.2149C