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April 9 1912

Time 21.35

I 37870

No.	Int.	Class	Remark
1	5	A3	
2	7	A3	
3	4	ly	E.
4	6	A0	
5	3	K0	
6	5	F5	
7	5	F0	
8	2	A0	
9	2	A0	
10	1	A	
11	3	lyS	
12	2	ly	E. Focus very poor.
13	10	A2	E.
14	3	A	E.
15	6	A0	E.
16	2	A	E.
17	8	A	E.
18	9	B8	E. Focus poor.
19	6	K0	
20	2	F	Partly superposed on 21. Uncertain.
21	4	K2	
22	2	K	
23	3	A2	
24	8	B9	
25	5	A2	
26	8	A0	
27	3	A2	

1	+13°	1637	7	12.9	+13	21.3	8.0 ✓
2	+13°	1641	7	13.2	+13	26.3	7.8 ✓
3	+14°	1642	7	12.9	+14	17.9	8.5 ✓
4	+14°	1646	7	14.1	+14	14.5	8.3 ✓
5	+14°	1648	7	14.4	+14	12.3	8.4 ✓
6	+14°	1649	7	14.6	+14	32.6	8.5 ✓
7	+14°	1650	7	15.2	+14	11.6	8.7 ✓
8	+14°	1653	7	15.8	+14	5.5	8.8 ✓
9	+13°	1652	7	14.7	+13	36.5	9.0 ✓
10	+13°	1650	7	14.4	+13	25.6	9.5 ✓
11	+13°	1655	7	15.7	+13	14.6	8.4 ✓
12	+12°	1526	7	15.9	+12	21.4	8.4 ✓
13	+11°	1578	7	16.9	+11	56.9	5.8 ✓
14	+10°	1521	7	15.8	+10	59.0	8.2 ✓
15	+11°	1574	7	16.0	+11	10.8	7.7 ✓
16	+11°	1580	7	17.2	+11	12.4	8.7 ✓
17	+10°	1532	7	18.5	+10	53.5	7.0 ✓
18	+11°	1588	7	18.7	+11	16.7	6.8 ✓
19	+12°	1548	7	19.1	+12	14.4	7.5 ✓
20	+13°	1661	7	17.4	+13	4.7	9.3 ✓
21	+13°	1663	7	17.4	+13	21.8	8.0 ✓
22	+14°	1661	7	17.2	+14	23.3	9.2 ✓
23	+14°	1664	7	17.7	+14	22.7	8.8 ✓
24	+14°	1665	7	17.8	+14	23.0	8.0 ✓
25	+15°	1571	7	17.9	+15	7.5	8.5 ✓
26	+15°	1574	7	19.2	+15	35.4	7.3 ✓
27	+15°	1573	7	19.1	+15	86.7	9.0 ✓

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No.	Int.	Class	Remark
28	3	F8	
29	2	F8	
30	1	A2	
31	10	A0	
32	1	A	
33	4	K2	
34	9	A3	Line 4077 strong or another star superposed?
35	2	F5	
36	3	F2	
37	3	G0	
38	3	G	Difficult. Superposed on 39.
39	9	A5	
40	3	F2	
41	1	F5	
42	2	A	
43	4	K0	
44	4	A	
45	10	K0	
46	5	K0	
47	2	A0	
48	1	F	
49	6	F5	
50	3	F8	
51	4	A0	
52	4	A0	
53	6	G5	
54	5	G0	

28	+15°	1577	7	19.9	+ 15	49.3	8.5 ✓	
29	+15°	1578	7	20.3	+ 15	39.3	9.3 ✓	
30	Approx	1855	7	20.~~4~~ 3	+ 15	~~20.5~~ 14	✓	
31	+15°	1579	7	20.6	+ 15	24.6	7.0 ✓	
32	+14°	1668	7	18.9	+ 14	40.5	9.4 ✓	
33	+14°	1671	7	19.5	+ 14	57.7	7.8 ✓	
34	+14°	1677	7	21.0	+ 14	38.8	7.5	1676 superposed
35	+13°	1678	7	20.1	+ 13	53.9	8.9 ✓	
36	+13°	1680	7	20.6	+ 13	54.1	8.6 ✓	
37	+13°	1684	7	21.2	+ 13	49.2	8.3 ✓	
38	+13°	1682	7	21.1	+ 13	10.5	8.7 ✓	
39	+13°	1683	7	21.1	+ 13	8.2	7.1 ✓	
40	+12°	1564	7	21.2	+ 12	44.3	8.0 ✓	
41	+12°	1559	7	20.3	+ 12	28.4	9.0 ✓	
42	+12°	1562	7	20.7	+ 12	26.1	8.5 ✓	
43	+11°	1592	7	21.2	+ 11	52.8	7.5 ✓	
44	+11°	1594	7	21.4	+ 11	50.0	8.5 ✓	
45	+12°	1567	7	21.7	+ 12	18.1	5.0 ✓	
46	+11°	1598	7	23.1	+ 11	29.9	7.5 ✓	
47	+12°	1566	7	21.6	+ 12	58.5	8.8 ✓	
48	+13°	1686	7	21.8	+ 13	13.5	9.2 ✓	
49	+14°	1981	7	22.3	+14	10.2	7.8 ✓	
50	+14°	1683	7	22.4	+14	7.8	8.5 ✓	
51	+13°	1695	7	23.2	+ 13	4.4	8.7 ✓	
52	+12°	1574	7	23.0	+ 12	33.3	7.7 ✓	
53	+12°	1582	7	23.9	+ 12	58.0	7.5 ✓	
54	+13°	1702	7	25.7	+ 13	43.3	8.3 ✓	

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Nr.	Grt.	Class	Remark
55	3	Ma	
56	2	K0	
57	7	B8	
58	1	A	
59	5	Ma	
60	2	A	
61	10	A	E.
62	5	A0	
63	3	F0	
64	4	A	Another star partly superposed.
65	4	F0	
66	4	F0	
67	2	G5	
68	3	Ma	
69	3	F5	
70	8	B9	
71	9	B9	
72	2	G5	
73	1	G5	
74	1	F	
75	3	A	
76	8	K0	
77	9	Mb	
78	9	Ma	
79	2	G5	
80	2	G	
81	5	K5	

55	+14°	1699	7	26.2	+14	24.6	8.0	✓
56	+13°	1707	7	26.8	+13	20.5	8.8	✓
57	+12°	1596	7	26.5	+12	36.7	7.7	✓
58	+12°	1586	7	24.3	+12	25.3	8.8	✓
59	+11°	1607	7	25.5	+11	19.2	8.1	✓
60	+10°	1561	7	24.9	+10	52.6	8.8	✓
61	+10°	1563	7	26.1	+10	52.9	7.0	✓
62	+11°	1613	7	26.2	+11	7.7	8.5	✓
63	+11°	1615	7	26.7	+11	49.2 52.7	8.8 7.7	✓
64	+11°	1617	7	26.7	+11	52.7	8.7	✓
65	+12°	1605	7	27.3	+12	10.2	8.3	✓
66	+12°	1615	7	28.8	+12	23.9	8.2	✓
67	+13°	1712	7	28.4	+13	14.1	9.1	✓
68	+13°	1714	7	28.7	+13	10.0	8.1	✓
69	+14°	1711	7	29.3	+14	18.0	8.7	✓
70	+14°	1713	7	29.7	+14	22.7	6.5	✓
71	+14°	1712	7	29.7	+14	39.8	6.5	✓
72	+15°	1613	7	29.6	+15	23.4	9.0	✓
73	+15°	1616	7	30.1	+15	23.2	9.0	✓
74	+14°	1719	7	31.2	+14	47.9	9.0	✓
75	+14°	1720	7	31.7	+14	51.9	9.0	✓
76	+14°	1721	7	32.6	+14	5.1	6.5	✓
77	+14°	1729 1736	7	33.9	+14	32.5	6.0	✓
78	+13°	1737	7	33.8	+13	49.5	6.5	✓
79	+13°	1741	7	34.4	+13	34.2	8.9	✓
80	+13°	1725	7	31.5	+13	12.8	8.9	✓
81	+12°	1626	7	31.0	+12	11.6	7.8	✓

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I 37 570

No.	Int.	Class	Remark
82	3	A0	E.
83	3	K	E.
84	5	K0	E.
85	2	A	
85a	4	A0	n.p.
86	3	A	
~~87~~			
87	2	F8	
88	3	A3	
89	2	F5	
90	4	Mb	
91	5	A2	
92	5	A0	
93	2	K	
94	2	K5	
95	5	A2	
96	2	K0	
97	6	Bg	
98	2	K0	
99	2	A2	
100	8	K0	
101	3	A	
102	3	K0	
103	8	K0	
104	1	A	
105	4	K5	
106	4	K5	
107	7	K0	
108	4	K0	

82	+11°	1634	7	30.3	+11	26.8	8.5 ✓
83	+11°	1638	7	31.1	+11	6.0	8.5 ✓
84	+11°	1641	7	32.0	+11	24.7	7.8 ✓
85	+11°	1645	7	33.5	+11	50.7	9.2 ✓
	+12°	1630	7	32.2	+12	18.6	8.5 ✓
86	+11°	1648	7	33.7	+11	13.2	8.8 ✓
87	+14°	1730	7	34.5	+14	23.4	9.0 ✓
88	+13°	1745	7	34.9	+13	46.9	9.0 ✓
89	+14°	1736	7	35.5	+14	0.4	8.9 ✓
90	+14°	1738	7	36.0	+14	30.8	7.9 ✓
91	+14°	1739	7	36.1	+14	20.7	8.6 ✓
92	+14°	1744	7	37.2	+14	56.3	9.0 ✓
93	+14°	1747	7	37.6	+14	38.5	9.0 ✓
94	+14°	1745	7	37.3	+14	9.5	9.0 ✓
95	+14°	1748	7	38.1	+14	4.5	8.4 ✓
96	+14°	1752	7	38.7	+14	24.5	8.5 ✓
97	+14°	1753	7	38.8	+14	14.1	8.4 ✓
98	+14°	1756	7	39.4	+14	30.4	8.7 ✓
99	+14°	1757	7	39.8	+14	32.8	9.2 ✓
100	+13°	1750	7	36.2	+13	12.7	7.0 ✓
101	+12°	1664	7	37.5	+12	5.4	8.6 ✓
102	+13°	1771	7	40.3	+13	43.7	6.4 8.9 ✓
103	+13°	1772	7	40.9	+13	43.7	6.5 ✓
104	+14°	1760	7	40.7	+14	26.2	9.3 ✓
105	+14°	1762	7	41.5	+14	29.7	7.5 ✓
106	+14°	1763	7	41.5	+14	12.3	7.5 ✓
107	+13°	1775	7	41.5	+13	9.4	7.5 ✓
108	+12°	1685	7	41.6	+12	38.6	7.6 ✓

Card made out

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No.	Int.	Class	Remark
109	3	G5	
110	6	F2	
111	3	A2	
112	10	A0	
113	5	K0	
114	2	A0	
115	5	A	
116	1	K	
117	2	A	
118	4	A	
119	1	G	Another star superposed?
120	2	G	Faint for.
121	6	G5	
122	2	G	
123	2	A0	
124	2	A	
125	10	B3	
126	4	A0	
127	3	A2	
128	2	B8	Difficult
129	3	A3	
130	5	A2	
131	3	G5	
132	4	A2	
133	1	A	
134	9	K0	
135	1	K	

109	+15°	1672	7	41.6	+15	28.0	7.4	✓
110	+15°	1676	7	42.4	+15	12.3	7.3	✓
111	+14°	1767	7	43.0	+14	6.6	8.9	✓
112	+15°	1541	7	11.9	+15	26.6	6.8	✓
113	+16°	1448	7	11.9	+16	24.2	8.0	✓
114	+15°	1545	7	12.5	+15	55.8	9.0	✓
115	+16°	1453	7	13.0	+16	14.8	8.5	✓
116	+16°	1456	7	13.1	+16	59.0	9.0	✓
117	+16°	1457	7	13.6	+16	56.5	9.0	✓
118	+17°	1557	7	13.8	+17	1.6	8.6	✓
119	+16°	1453	7	13.9	+16	14.8	8.5	✓
120	+14°	1644	7	13.8	+14	53.6	8.8	✓
121	+15°	1554	7	14.8	+15	37.9	6.9	✓
122	+15°	1559	7	15.3	+15	35.0	8.5	✓
123	+15°	1561	7	15.7	+15	26.6	8.6	✓
124	+14°	1654	7	16.0	+14	46.4	9.2	✓
125	+15°	1564	7	16.2	+15	47.6	7.0	✓
126	+15°	1568	7	17.3	+15	59.8	8.9	✓
127	+17°	1572	7	17.6	+17	14.9	9.0	✓
128	+16°	1481	7	18.7	+16	24.2	9.0	✓
129	+16°	1485	7	20.0	+16	15.9	9.2	✓
130	+16°	1490	7	21.2	+16	27.7	8.1	✓
131	+17°	1586	7	21.2	+17	9.9	8.5	✓
132	+17°	1587	7	21.4	+17	40.0	8.5	✓
133	+17°	1589	7	22.1	+17	14.5	9.0	✓
134	+17°	1596	7	23.4	+17	23.1	6.2	✓
135	+16°	1495	7	22.8	+16	55.0	8.7	✓

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No.	Int.	Class	Remark
136	2	Ky0	
137	2	F2	
138	3	Ma	Another star superposed at south?
139	6	A0	
140	7	K0	
141	10+	A0	
142	1	K	
143	1	A	
144	2	F	
145	1	F	
146	3	A0	
147	1	K	
148	5	F0	
149	1	K	
150	2	K0	
151	2	F8	
152	2	G5	
153	2	A3	
154	4	A0	
155	8	A2.5	
156	3	F5	
157	10	K5	
158	1	K	
159	1	K5	
160	2	A	
161	1	K	
162	2	A0	

136	+16°	1497	7	23.0	+16	36.0	9.0 ✓
137	+16°	1502	7	23.1	+16	31.0	8.9 ✓
138	+16°	1505	7	24.5	+16	38.6	8.5 ✓
139	+16°	1506	7	24.8	+16	16.6	8.0 ✓
140	+15°	1598	7	25.2	+15	58.8	7.5 ✓
141	+16°	1510	7	25.3	+16	8.3	5.7 ✓
142	+15°	1587	7	23.0	+15	32.6	8.6 ✓
143	+15°	1590	7	23.5	+15	23.6	9.2 ✓
144	+15°	1591	7	24.1	+15	35.9	9.2 ✓
145	+15°	1595	7	24.8	+15	9.4	9.2 ✓
146	+15°	1596	7	25.0	+15	7.1	9.2 ✓
147	+15°	1601	7	25.6	+15	8.2	8.8 ✓
148	+15°	1602	7	26.1	+15	3.8	8.6 ✓
149	+14°	1684	7	22.9	+14	55.0	9.3 ✓
150	+15°	1605	7	26.4	+15	57.3	8.5 ✓
151	+16°	1518	7	27.3	+16	4.8	8.7 ✓
152	+16°	1524	7	28.2	+16	23.2	8.6 ✓
153	+15°	1609	7	28.0	+15	54.8	9.1 ✓
154	+15°	1611	7	28.8	+15	12.9	8.8 ✓
155	+17°	1623	7	28.8	+17	13.3	8.0 ✓
156	+17°	1627	7	29.7	+17	23.8	8.5 ✓
157	+18°	1701	7	31.1	+18	0.3	5.4 ✓
158	+17°	1635	7	32.9	+17	41.7	9.0 ✓
159	+17°	1634	7	32.8	+17	12.4	8.5 ✓
160	+16°	1532	7	30.7	+16	29.6	9.2 ✓
161	+16°	1537	7	31.4	+16	22.0	8.7 ✓
162	+15°	1619	7	31.7	+15	39.6	9.1 ✓

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No.	Fil.	Class	Remark
163	2	A	
164	2	K0	
165	3	K0	
166	3	F0	
167	2	G	
168	1	G5	
169	2	A0	
170	7	F0	
171	3	F2	
172	2	A0	
173	6	A0	
174	5	B9	
175	2	K0	
176	3	F5	
177	5	A0	
178	1	G5	
179	2	K0	
180	2	G5	
181	4	B9	
182	3	A	
183	2	G	
184	3	G5	
185	4	G5	E.
186	3	K	E.
187	4	A	E.
188	7	A	E.
189	4	A	

163	+15°	1620	7	31.7	+15	56.0 ~~39.6~~	9.1	✓
164	+15°	1624	7	32.9	+15	40.0	8.7	✓
165	+15°	1627	7	33.5	+15	54.3	7.8	✓
166	+14°	1724	7	33.1	+14	44.0	8.8	✓
167	+15°	1633	7	34.5	+15	36.5	9.0	✓
168	+15°	1635	7	34.6	+15	25.2	8.7	✓
169	+15°	1636	7	34.7	+15	8.8	9.0	✓
170	+15°	1642	7	35.7	+15	35.9	7.7	✓
171	+16°	1546	7	35.2	+16	10.9	8.9	✓
172	+16°	1547	7	35.4	+16	35.9	9.0	✓
173	+16°	1549	7	36.7	+16	14.5	8.0	✓
174	+17°	1657	7	36.4	+17	20.1	8.3	✓
175	+16°	1551	7	37.9	+16	46.6	7.7	✓
176	+17°	1662	7	37.9	+17	22.1	8.1	✓
177	+17°	1666	7	38.3	+17	0.3	7.8	✓
178	+16°	1552	7	38.7	+16	41.8	9.0	✓
179	+15°	1655	7	38.6	+15	51.2	8.3	✓
180	+15°	1659	7	39.1	+15	52.3	8.0	✓
181	+16°	1556	7	39.3	+16	3.5	8.2	✓
182	+17°	1673	7	39.5	+17	4.5	8.9	✓
183	+16°	1563	7	41.0	+16	27.2	9.0	✓
184	+17°	1684	7	42.3	+17	14.5	8.1	✓
185	+16°	1568	7	42.4	+16	20.3	8.5	✓
186	+18°	1577	7	12.1	+18	8.4	8.2	✓
187	+17°	1549	7	12.2	+17	41.3	8.7	✓
188	+18°	1578	7	12.3	+18	8.6	8.6	✓
189	+18°	1591	7	14.3	+18	19.2	9.0	✓

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No.	Int.	Class	Remark
190	8	Be	Focus poor
191	4	K0	
192	8	F	Focus poor
193	3	K5	E.
194	6	K0	
195	3	a2	
196	6	g5	
197	2	a2	
198	3	a	
199	4	a	
200	7	F0	
201	4	F0	Partly superposed on 200.
202	3	F5	
203	6	g5	
204	2	F5	
205	2	g5	
206	3	F2	
207	4	a2	
208	2	a	Partly superposed on 207.
209	2	g	
210	1	a	
211	2	g	
212	2	K	
213	5	F5	
214	1	K	
215	1	g	
216	2	K	

190	+19°	1561	7	14.7	+17	41.3	7.7	✓
191	+16°	1466	7	15.5	+16	56.6	8.1	✓
192	+18°	1593	7	14.7	+18	33.0	7.0	✓
193	+19°	1717	7	15.9	+19	11.1	8.5	✓
194	+19°	1720	7	16.7	+19	16.7	7.9	✓
195	+18°	1603	7	16.4	+18	20.8	9.0	✓
196	+18°	1610	7	17.5	+18	26.0	7.0	✓
197	+17°	1574	7	17.9	+17	55.7	9.1	✓
198	+18°	1617	7	18.0	+18	25.9	9.0	✓
199	+18°	1620	7	18.6	+18	10.7	8.3	✓
200	+18°	1616	7	18.0	+18	48.1	8.0	✓
201	+18°	1618	7	18.1	+18	48.7	8.5	✓
202	+19°	1733	7	18.9	+19	28.3	8.7	✓
203	+19°	1734	7	19.4	+19	20.5	7.2	✓
204	+18°	1633	7	20.8	+18	49.3	9.2	✓
205	+18°	1631	7	20.7	+18	6.1	8.7	✓
206	+18°	1636	7	21.1	+18	23.2	8.8	✓
207	+18°	1640	7	21.6	+18	56.0	8.0	✓
208	+18°	1641	7	21.6	+18	55.5	8.5	✓
209	+19°	1749	7	22.0	+19	15.9	8.7	✓
210	+19	1750	7	22.7	+19	17.0	9.1	✓
211	+18°	1650	7	23.6	+18	24.2	9.0	✓
212	+18°	1651	7	24.0	+18	10.5	8.6	✓
213	+18°	1653	7	24.0	+18	48.2	8.1	✓
214	+17°	1600	7	24.7	+17	45.9	9.0	/
215	+17°	1598	7	24.6	+17	21.7	9.0	✓
216	+17°	1601	7	24.8	+17	26.9	9.0	/

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No.	Int.	Class	Remark
217	1	fy	
218	2	A	
218a	4	F5	
219	2	A	
219a	2	F8	
220	1	F5	
221	1	F8	
222	3	fy5 K0	
223	3	M+	
224	3	F5	
225	1	fy	
226	1	fy5	
227	3	A	
228	5	A2	
229	1	K	
230	2	fy	
231	3	A2	
232	8	F0	
233	1	fy	
234	1	fy5	
235	5	A0	
236	4	F5?	Look up.
237	5	A2	
238	2	A2	
239	1	K2	
240	2	F	
241	2	A	
242	3	A2	
243	1	K	

217	+17°	1604	7	25.2	+17	53.3	9.0	✓
218	+17°	1611	7	26.1	+17	42.5	8.8	✓
218a	+17°	1610	7	26.1	+17	15.1	8.0	✓
219	+17°	1614	7	26.5	+17	52.1	9.2	✓
219a	Appar. 1855		7	26.2	+17	12.1		✓
220	+18°	1670	7	26.8	+18	10.1	9.0	✓
221	+17°	1615	7	26.9	+17	40.2	9.0	✓
222	+17°	1617	7	27.0	+17	41.8	7.9	✓
223	+18°	1661	7	25.4	+18	37.1	8.5	✓
224	+18°	1671	7	26.9	+18	37.0	8.5	✓
225	+18°	1673	7	27.4	+18	38.0	8.8	✓
226	+18°	1676	7	27.6	+18	25.7	9.1	✓
227	+18°	1678	7	27.8	+18	33.2	8.8	✓
228	+18°	1681	7	28.0	+18	29.8	8.0	✓
229	+18°	1692	7	29.8	+18	9.6	9.0	✓
230	+18°	1694	7	30.0	+18	36.0	9.1	✓
231	+18°	1695	7	30.1	+18	22.9	8.8	✓
232	+19°	1784	7	29.1	+19	14.2	7.0	✓
233	+18°	1699	7	30.9	+18	42.9	9.0	✓
234	+18°	1704	7	32.0	+18	58.2	8.7	✓
235	+18°	1711	7	33.1	+18	34.2	8.4	✓
236	+18°	1713	7	33.3	+18	23.2	8.3	✓
237	+18°	1717	7	34.2	+18	2.2	8.6	✓
238	+18°	1715	7	34.1	+18	21.5	9.1	✓
239	+18°	1720	7	34.9	+18	19.0	9.0	✓
240	+17°	1643	7	34.1	+17	28.5	9.1	✓
241	+17°	1648	7	34.5	+17	3.7	8.9	✓
242	+17°	1656	7	36.3	+17	49.9	8.5	✓
243	+18°	1727	7	36.4	+18	9.2	8.7	✓

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No.	Int.	Class	Remark
244	2	g	
245	4	Ao	
246	4	A2	
247	9	K2	Burned out
248	4	Ao	
249	3	A2	
250	2	F5	
251	8	g5	
252	4	K0	
253	3	g	
254	4	Ao	
255	3	K	E.
256	4	A	E.
257	7	K0	E.
258	6	A	
259	7	F	
260	10	F	
261	5	K0	
262	5	g0	
263	3	A	E.
264	4	Pec.	Bright lines ? Extreme edge. E.
265	7	A2	E.
266	7	Ao	E.
267	4	A5	E.
268	5	K0	
269	3	A	
270	5	F0	

244	+18°	1723	7	36.0	+18	31.5	8.8	✓
245	+18°	1724	7	36.1	+18	56.4	8.7	✓
246	+18°	1732	7	37.7	+18	30.6	8.5	✓
247	+18°	1733	7	37.7	+18	51.9	5.1	✓
248	+19°	1832	7	38.7	+19	8.1	8.2	✓
249	+19°	1837	7	39.1	+19	23.6	8.8	✓
250	+18°	1741	7	39.2	+18	11.8	9.0	✓
251	+18°	1744	7	40.0	+18	41.6	8.0	✓
252	+18°	1745	7	40.5	+18	32.7	8.0	✓
253	+18°	1753	7	41.9	+18	3.1	8.8	✓
254	+17°	1682	7	42.1	+17	50.3	8.7	✓
255	+20°	1913	7	40.7	+20	7.5	8.5	✓
256	+19°	1848	7	41.7	+19	46.4	8.7	✓
257	+19°	1854	7	43.5	+19	41.7	6.5	✓
258	+20	1795	7	16.3	+20	16.9	7.5	✓
259	+20°	1798	7	17.0	+20	47.9	7.0	✓
260	+20°	1805	7	18.4	+20	33.1	6.5	✓
261	+19°	1743	7	21.0	+19	55.6	7.0	✓
262	+20°	1822	7	21.9	+20	6.7	7.5	✓
263	+20°	1824	7	22.2	+20	13.8	8.8	✓
264	+21°	1610	7	20.6	+21	13.8	8.0	✓
265	+21°	1614	7	21.7	+21	4.9	8.1	✓
266	+20°	1823	7	22.1	+20	48.8	7.3	✓
267	+20°	1825	7	22.5	+20	42.1	8.5	✓
268	+20°	1856	7	28.6	+20	29.0	7.0	✓
269	+20°	1863	7	30.3	+20	43.4	8.7	✓
270	+20°	1866	7	30.8	+20	21.5	7.5	✓

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I 37 570

No.	Int.	Class	Remark
271	5	B5	E.
272	5	g5	
273	3	F	
274	9	B8	

Lines: 22, 23

275	3	f5	E
276	3	A0	
277	3	A0	
278	2	A	
279	2	g5	
280	2	A	
281	1	K	
282	2	g5	E.
283	1	f5	
284	1	A	
285	2	A0	
286	1	A	E
287	3	f5	E
~~288~~			

288

271	+20°	1885	7	34.7	+20	27.3	8.2	v
272	+20°	1890	7	35.7	+20	33.1	7.5	v
273	+20°	1889	7	35.7	+20	13.5	8.5	v
274	+20°	1893	7	36.6	+20	39.3	6.5	v
275	+19°	1794	7	31.9	+19	40.9	8.0	v
276	+19°	1777	7	28.5	+19	54.9	9.0	v
277	+19°	1776	7	28.2	+19	17.9	9.0	v
278	+19°	1772	7	27.7	+19	3.1	9.0	v
279	+19°	1775	7	28.0	+19	33.1	8.8	v
280	+20°	1846	7	26.9	+20	8.8	9.0	v
281	+20°	1844	7	26.6	+20	38.4	8.7	v
282	+20°	1862	7	28.3	+20	48.8	8.5	v
283	+19°	1761	7	25.7	+19	43.5	9.1	v
284	+19°	1758	7	25.8	+19	5.1	9.2	v
285	+20°	1807	7	19.0	+20	6.5	8.8	v
286	+20°	1810	7	19.3	+20	26.5	9.2	N
287	+20°	1806	7	18.9	+20	42.4	8.7	v

Ident. by A.M.C. April 23, 1912

Checked by J.C.M. April 30, 1912.

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April 5, 1912

Time 0:15 — I 37617

No.	Int.	Class	Remarks
1	8	75	e
2	2	4	e
3	5	75	
4	6	A3	
5	5	K0	
6	3	78	
7	2	4	
8	8	Ma	
9	2	K	
10	2	75	
11	2	K2	
12	2	75	Uncertain: H.P.K. superposed on No. 13
13	8	K0	
14	3	70 ~~G5~~	
15	2	K	
16	4	A0 ~~K~~	
17	7	A2	
18	7	G0	
19	7	A2	
20	4	78	
21	3	70	
22	6	A0	
23	3	A2	Partly superposed on 22
24	7	A5	
25	2	A3	
26	2	A3	Difficult. Uncertain.
27	5	75	

1	+17°	18 42	8	17.6	+17	32.1	6.2	✓	
2	+18°	1939	8	17.6	+18	18.5	8.1	✓	
3	+18°	1947	8	19.6	+18	31.5	8.2	✓	e
4	+19°	2024	8	22.7	+19	26.5	8.0	✓	e
5	+19°	2027	8	23.4	+19	28.2	7.2	✓	e
6	+19°	2026	8	23.3	+19	56.1	8.2	✓	e
7	+18°	1957	8	22.8	+18	50.0	8.7	✓	
8	+18°	1963	8	23.3	+18	34.6	6.9	✓	e
9	+17°	1864	8	23.3	+17	49.2	8.0	✓	
10	+19°	2033	8	24.7	+19	29.3	8.5	✓	e
11	+18°	1978	8	26.1	+18	52.4	7.8	✓	e
12	+20°	2108	8	24.3	+20	37.4	8.5	✓	
13	+20°	2109	8	24.3	+20	55.6	5.6	✓	
14	+21°	1871	8	26.9	+21	3.2	8.6	✓	e
15	+21°	1872	8	27.3	+21	19.3	9.0	✓	e
16	+20°	2122	8	27.3	+20	49.0	8.7	✓	
17	+20°	2125	8	27.9	+20	50.7	8.1	✓	
18	+20°	2118	8	27.0	+20	4.6	7.7	✓	
19	+20°	2123	8	27.4	+20	16.0	8.2	✓	
20	+20°	2129	8	29.1	+20	69.3	8.0	✓	
21	+20°	2131	8	29.2	+20	31.3	8.8	✓	
22	+20°	2132	8	29.3	+20	14.7	8.2	✓	
23	+20°	2133	8	29.3	+20	2.4	8.4	✓	
24	+19°	2053	8	29.5	+19	46.9	7.2	✓	
25	+19°	2047	8	28.5	+19	23.5	8.5	✓	
26	+19°	2049	8	29.0	+19	22.4	8.5	✓	
27	+20°	2136	8	30.0	+20	43.2	8.0	✓	

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April 5, 1912. (Cont)

I 37617

No.	Int.	Class	Remarks
28	4	A5	
29	4	A2	
30	5	F0	
31	2	A	Partly superposed on No. 30
32	1	F	
33	5	A3	
34	8	F0	
35	5	A3	
36	5	K0	
37	8	A0	
38	5	K0	
39	6	A	
40	2	A	Almost superposed on No. 39
41	6	F0	
42	5	A	
43	8	A2	
43a	4	A5	
44	6	G5	
45	4	A0	
46	4	A0	
47	3	A2	
48	8	A0	
49	8	A5 ~~F0~~	
50	7	A3	
51	4	A3	
52	4	A3	
53	4	A5	
54	4	A	

28	+20°	2138	8	30.3	+20	29.7	8.4	✓	
29	+20°	2141	8	30.7	+20	31.0	8.5	✓	
30	+20°	2143	8	30.8	+20	11.2	8.0	✓	C
31	+20°	2144	8	30.8	+20	5.9	8.8	✓	C
32	+20°	2139	8	30.5	+20	0.3	9.0	✓	C
33	+19°	2064	8	31.4	+19	47.0	8.0	✓	C
34	+20°	2149	8	31.4	+20	17.5	7.0	✓	C
35	+20°	2148	8	31.4	+20	35.8	8.0	✓	
36	+20°	2158	8	31.8	+20	31.0	7.0	✓	H
37	+20°	2159	8	31.8	+20	28.7	7.3	✓	H
38	+20°	2150	8	31.5	+20	2.9	7.2	✓	C
39	+20°	~~2152~~ 2153	8	31.6	+20	~~4.0~~ 2.7	~~8.2~~ 8.2	✓	C
40	+20°	2152	8	31.6	+20	4.0	8.2	✓	
41	+19°	2069	8	32.0	+19	51.6	7.0	✓	
42	+20°	2163	8	32.0	+20	2.2	8.2	✓	
43	+20°	2178	8	32.1	+20	3.6	7.2	✓	C
43a	+19°	2093	8.	32.3	+19	43.4	8.2	✓	C
44	+20°	2166	8	32.0	+20	10.5	7.3	✓	
45	+20°	2168	8	32.1	+20	21.0	8.5	✓	
46	+20°	2169	8	32.1	+20	41.8	8.8	✓	
47	+20°	2173	8	32.5	+20	46.6	8.7	✓	
48	+20°	2178	8	32.9	+20	59.0	7.0	✓	
49	+20°	2172	8	32.4	+20	13.5	7.1	✓	
50	+20°	2175	8	32.6	+20	5.4	7.7	✓	
51	+19°	2078	8	33.0	+19	46.4	8.7	✓	
52	+19°	2083	8	33.8	+19	55.3	8.4	✓	
53	+19°	2084	8	33.9	+19	26.6	8.0	✓	
54	+20°	2179	8	32.9	+20	25.8	8.6	✓	

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No.	Dist.	Class	Remark
55	5	K0	
56	2	F0	
57	2	F	
58	10	A0	
59	2	K	
60	2	A	
61	5	F8	
62	3	A5	
63	4	F8	
64	7	A0	
65	3	A	
66	2	F0	
67	8	F2	
68	3	A0	
69	10	K0	
70	3	A2	
71	4	F5	
72	3	F8	
73	3	F5	
74	3	F8	
75	2	K	
76	3	F0	
77	3	A0	
78	2	A	
79	2	A	
80	3	K2	
81	3	A0	

55	+20°	2185	8	33.5	+20	23.2	7.5 ✓
56	+20°	2186	8	33.6	+20	40.6	8.9 ✓
57	+21°	1894	8	34.5	+21	20.2	9.1 ✓
58	+21°	1895	8	34.9	+21	59.4	4.5 ✓
59	+21°	1899	8	36.0	+21	23.8	8.5 ✓
60	+20°	2206	8	37.1	+20	55.0	8.8 ✓
61	+20°	2207	8	37.5	+20	33.7	8.0 ✓
62	+20°	2209	8	37.9	+20	13.2	8.4 ✓
63	+20°	2210	8	38.0	+20	56.2	8.2 ✓
64	+21°	1909	8	38.0	+21	8.1	7.0 ✓
65	+19°	2090	8	35.6	+19	33.2	var. ✓
66	+19°	2094	8	37.1	+19	24.0	8.5 ✓
67	+19°	2095	8	37.2	+19	20.6	7.2 ✓
68	+19°	2097	8	37.5	+19	34.3	8.2 ✓
69	+18°	2027	8	36.4	+18	41.5	4.5 ✓
70	+18°	2034	8	37.9	+18	42.5	8.3 ✓
71	+18°	2037	8	38.3	+18	2.1	8.0 ✓
72	+16°	1770	8	28.2	+16	48.9	8.1 ✓
73	+17°	1896	8	30.3	+17	33.4	8.1 ✓
74	+17°	1902	8	31.3	+17	59.2	8.4 ✓
75	+16°	1789	8	31.5	+16	39.2	8.0 ✓
76	+17°	1903	8	32.7	+17	0.5	7.8 ✓
77	+16°	1802	8	34.7	+16	58.0	8.0 ✓
78	+16°	1805	8	36.0	+16	27.0	8.6 ✓
79	+16°	1806	8	36.3	+16	26.0	8.5 ✓
80	+17°	1941	8	39.9	+17	55.9	7.7 ✓
81	+18°	2044	8	40.2	+18	11.8	8.3 ✓

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No.	Dist.	Class	Remark
82	8	A0	
83	5	K5	
84	4	A3	
85	2	K5	
86	6	F0	
87	6	F2	
88	6	A0	
89	2	K5	
90	3	A0	
91	4	F0	
92	6	K0	
93	2	K5	
94	3	K5	
95	2	N	0, 6, 10
96	2	K5	
97	7	K0	
98	4	A0	
99	9	A2	E
100	8	A3	E
101	8	A0	
102	5	Mb	
103	5	K5	
104	4	F8	
105	2	G	
106	2	A	
107	1	K5	Magn. Var.
108	5	F8	

82	+19°	2110	8	42.5	+19	22.8	6.5	✓
83	+18°	2057	8	42.5	+18	32.5	7.0	✓
84	+17°	1955	8	42.4	+17	34.2	8.0	✓
85	+18°	2064	8	43.3	+18	16.7	8.2	✓
86	+18°	2069	8	44.4	+18	43.9	7.0	✓
87	+17°	1966	8	45.0	+17	54.8	7.7	✓
88	+18°	2075	8	45.7	+18	5.3	7.5	✓
89	+18°	2076	8	45.7	+18	46.6	8.0	✓
90	+15°	1901	8	39.2	+15	51.6	7.5	✓
91	+15°	1912	8	41.9	+15	22.6	7.0	✓
92	+15°	1917	8	42.9	+15	53.3	6.7	✓
93	+16°	1833	8	43.1	+16	33.1	8.0	✓
94	+16°	1840	8	44.8	+16	54.6	8.3	✓
95	+17°	1973	8	47.2	+17	46.9	var.	✓
96	+18°	2087	8	48.6	+18	3.5	8.0	✓
97	+17°	1979	8	49.0	+17	42.4	6.8	✓
98	+16°	1855	8	47.1	+16	45.9	8.4	✓
99	+15°	1945	8	49.2	+15	52.5	5.7	✓
100	+16°	1864	8	49.5	+16	7.5	6.1	✓
101	+18°	2090	8	50.1	+18	52.0	6.8	✓
102	+18°	2093	8	51.0	+18	42.0	7.0	✓
103	+21°	1844	8	19.7	+21	38.2	6.8	✓
104	+21°	1866	8	26.2	+21	58.0	8.3	✓
105	+22°	1962	8	28.2	+22	40.9	7.7	✓
106	+21°	1875	8	28.2	+21	41.6	8.8	✓
107	+21°	1880	8	30.7	+21	18.3	8.6	✓
108	+24°	1968	8	30.2	+24	11.3	6.5	✓

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April 5, 1912 (cont.)
I 37617

No.	Cust.	class	Remark
109	3	A2	
110	3	K0	
111	2	G	
112	2	G	
113	3	G0	
114	2	A	
115	2	A5	
116	1	K	
117	3	B5	
118	2	K5	
119	6	F8	
120	1	K	
121	2	A	
122	5	G5	
123	3	G5	
124	3	F8	
Zine 0.47 125	3	G	
126	3	G0	
127	4	F0	
128	3	G5	

109	+22°	1988	8	38.0	+22	53.0	7.4	v	
110	+20°	2216	8	39.1	+20	27.0	8.6	✓	
111	+19°	2109	8	42.0	+19	49.0	8.8	✓	
112	+21°	1914	8	40.1	+21	14.2	8.8	✓	
113	+21°	1926	8	43.1	+21	37.9	8.8	✓	
114	+21°	1927	8	43.2	+21	15.9	9.0	✓	
115	+20°	2228	8	42.9	+20	51.3	9.0	✓	
116	+20°	2229	8	43.7	+20	20.7	9.0	✓	
117	+19°	2114	8	44.1	+19	53.6	8.3	v	
118	+19°	2119	8	45.1	+19	51.7	8.2	✓	
119	+20	2232	8	45.6	+20	31.0	7.2	v	
120	+21°	1939	8	46.1	+21	8.4	8.7	!	
121	+22°	2021	8	47.6	+22	14.5	8.1	✓	
122	+22°	2029	8	48.7	+22	24.8	6.7	!	
123	+21°	1952	8	50.6	+21	43.1	7.5	✓	
124	+20°	2244	8	48.6	+20	44.1	8.0	✓	
125	+22°	2014	8	45.9	+22	46.5	7.5	v	

Identified by J. C. M. April 13, 1912.
Checked by A.M.C. April 13, 1912

v	126	+15°	1858	8	29.9	+15	38	8.0	156 as 37628
✓	127	+15°	1862	8	30.4	+15	22	7.5	157 " "
✓	128	+15°	1889	8	37.1	+15	51	8.0	170 " "

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April 5, 1912

Time 0:51

I 37606

No	Dist	Class	Remark
1	3	K5	
2	3	A	Another star superposed
3	8	A0	
4	2	G	
5	3	K5	
6	2	G	
7	4	A	
8	5	F5	
9	4	A2	
10	8	K0	
11	4	A2	
12	7	A0	
13	6	B9	
14	5	F0	
15	2	K	
16	4	K0	
17	7	A2	
18	3	A	
19	4	F5	
20	8	F2	
21	7	Ma	
22	7	A0	
23	2	F8	
24	3	F8	
25	3	K0	
26	4	G	E
27	4	K5	E

1	+1°	2210	8	49.8	+1	5.3	7.5 ✓
2	+1°	2211	8	50.0	+1	56.6	8.5 ✓
3	+2°	2114	8	50.7	+2	6.0	7.5 ✓
4	+2°	2114	8	50.8	+2	37.5	8.5 ✓
5	+1°	2216	8	52.1	+1	58.3	7.9 ✓
6	+1°	2218	8	52.5	+1	9.5	8.5 ✓
7	+0°	2442	8	53.1	+0	43.2	8.2 ✓
8	+0°	2447	8	54.2	+0	34.6	8.2 ✓
9	−0°	2110	8	54.2	−0	0.9	8.0 ✓
10	+0°	2449	8	54.6	+0	54	6.2 ✓
11	−0°	2111	8	54.2	−0	54.3	7.7 ✓
12	+1°	2220	8	53.6	+1	51.2	7.7 ✓
13	+0°	2451	8	55.4	+0	59.4	8.2 ✓
14	+1°	2230	8	57.2	+1	29.2	7.6 ✓
15	+1°	2231	8	57.6	+1	36.9	8.3 ✓
16	+2°	2136	8	57.1	+2	29.0	7.9 ✓
17	+2°	2138	8	57.7	+2	59.2	7.2 ✓
18	+3°	2141	8	58.7	+3	37.5	9.0 ✓
19	+3°	2142	8	59.1	+3	23.8	8.0 ✓
20	+3°	2144	8	59.7	+3	8.7	7.3 ✓
21	+2°	2145	8	59.6	+2	2.6	6.8 ✓
22	+1°	2237	8	59.9	+1	10.2	7.7 ✓
23	+0°	2461	9	0.1	+0	39.5	7.8 ✓
24	−0°	2131	9	1.4	−0	11.3	8.3 ✓
25	−1°	2209	9	1.8	−1	0.4	8.0 ✓
26	−2°	2191	8	59.2	−2	1.5	7.7 ✓
27	−1°	2207	9	0.7	−0	54.1	7.0 ✓

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April 5, 1912 (Cont.)

I 37606

Nr.	Int.	class	Remark
28	5	75	
29	5	K0	
30	4	75	
31	3	K5	
32	2	K5	
33	2	K	
34	3	K	
35	3	K	
36	3	K5	
37	3	K0	
38	2	7	Uncertain. Another star superposed at North
39	7	A2	
40	3	[illegible]	
41	[illegible]	K ?	
42	8	75	
43	8	A0	
44	2	75	
45	3	K0	
46	3	K0	
47	4	A0	
48	4	K5	
49	5	mK	
50	3	K5	
51	3	A0	
52	5	A2	
53	5	K0	
54	6	K0	

28	+ 1°	2247	9	3.1	+ 1	39.3	8.5	✓
29	+ 0°	2477	9	4.0	+ 0	53.2	7.4	✓
30	+ 0°	2472	9	2.9	+ 0	31.7	8.2	✓
31	+ 0°	2465	9	2.1	+ 0	12.2	8.5	✓
32	+ 0°	2471	9	2.9	+ 0	17.9	8.2	✓
33	− 0°	2138 40	9	2.1	− 0	31.2	8.3	✓
34	− 0°	2138	9	2.6	− 0	28.4 31.2	8.5	✓
35	− 0°	2143	9	3.7	− 0	57.5	8.1	✓
36	− 0°	2147	9	4.6	− 0	07.1	8.5	✓
37	+ 0°	2482	9	6.5	+ 0	24.1	8.0	✓
38	− 0°	2161	9	8.1	− 0	1.6	8.9	✓
39	− 0°	2158	9	7.5	− 0	59.3	7.1	✓
40	− 0°	2163 4	9	8.3	− 0	38.2 37.9	8.1 8.1	✓
41	+ 1°	2266	9	9.1	+ 1	11.4	8.8	✓
42	+ 1°	2267	9	9.2	+ 1	20.5	6.8	✓
43	+ 1°	2271	9	10.1	+ 1	9.8	7.3	✓
44	+ 0°	2493	9	10.7	+ 0	37.6	8.3	✓
45	+ 1°	2274	9	10.8	+ 1	18.8	8.0	✓
46	+ 1°	2277	9	12.0	+ 1	30.3	8.0	✓
47	+ 1°	2285	9	13.3	+ 1	29.0	8.5	✓
48	+ 0°	2498	9	13.0	+ 0	53.1	8.2	✓
49	+ 0°	2499	9	13.2	+ 0	46.9	7.5	✓
50	+ 0°	2504	9	14.8	+ 0	11.2	8.0	✓
51	− 0°	2184	9	15.1	− 0	27.6	8.0	✓
52	− 0°	2190	9	17.9	− 0	13.5	8.0	✓
53	− 0°	2193	9	18.7	− 0	36.5	6.6	✓
54	− 0°	2195	9	19.0	− 0	50.3	6.2	✓

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April 5, 1912 (Cont.)
I 37606

No.	Sut.	Class	Remark
55	3	G5	
56	5	K0	
57	6	F0	
58	3	F8	
59	4	A5	
60	5	G5	
61	3	F5	
62	7	K0	
63	2	7	&
64	6	F2	
65	3	K	
66	5	a	Trans poor
67	3	A3	
68	2	8	The following 4 of two.
69	3	G5	
70	2	F8	
71	2	A	
72	3	A0	
73	8	A2	
74	4	F8	
75	2	G5	
76	7	A0	
77	3	K0	
78	3	F0	
79	10	K0	
80	3	G5	
81	2	K0	

55	+2°	2188	9	15.0	+ 2	29.2	8.4 ✓
56	+3°	2196	9	16.1	+ 3	1.0	7.5 ✓
57	+2°	2195	9	16.4	+ 2	3.0	7.8 ✓
58	+2°	2191	9	17.4	+ 2	8.1	8.2 ✓
59	+1°	2299	9	18.5	+1	13.3	8.3 ✓
60	+3°	2202	9	18.5	+ 3	09.3	7.8 ✓
61	+3°	2204	9	18.9	+ 3	7.8	8.2 ✓
62	+4°	2081	8	49.0	+ 4	47.8	7.0 ✓
63	+4°	2079	8	48.7	+ 4	7.8	8.4 ✓
64	+3°	2099	8	49.7	+ 3	5.0	7.3 ✓
65	+4°	2084	8	49.9	+ 4	57.9	8.7 ✓
66	+4°	2088	8	51.4	+ 4	13.4	8.0 ✓
67	+4°	2098	8	52.7	+ 4	5.8	8.6 ✓
68	+3°	2123	8	54.2	+ 3	54.9	8.5 ✓
69	+3°	2125	8	54.5	+ 3	50.5	8.3 ✓
70	+3°	2117	8	53.7	+ 3	18.7	9.0 ✓
71	+3°	2119	8	54.0	+ 3	22.1	9.0 ✓
72	+2°	2126	8	54.3	+ 2	46.3	8.8 ✓
73	+3°	2124	8	54.4	+ 3	14.2	7.5 ✓
74	+2°	2132	8	55.6	+ 2	38.2	8.3 ✓
75	+3°	2134	8	56.7	+ 3	36.7	8.5 ✓
76	+4°	2115	8	57.1	+ 4	6.0	7.7 ✓
77	+4°	2121	8	58.9	+ 4	26.5	8.2 ✓
78	+5°	2115	8	58.3	+ 5	18.4	8.5 ✓
79	+5°	2116	8	58.3	+ 5	40.5	5.6 ✓
80	+6°	2109	9	1.4	+6	11.4	8.0 ✓
81	+5°	2131	9	2.3	+5	48.0	8.3 ✓

Cannot make out

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April 5, 1912 (cont.)
I 37606

No	Dist	Class	Remark
82	3	78	
83	2	G	
84	6	F0	
85	2	A	
86	10	B8	
87	5	A2	
88	4	A0	
89	2	K	
90	2	G5	
91	1	K0	
92	5	K2	
93	10+	A	
94	4	K0	
95	2	A3	
96	2	K	
97	5	F0	
98	7	F0	
99	2	F0	
Time 1.08	100	7	F2
" 21.43	101	4	F0
	102	2	F0
	103	5	A0
	104	2	F8
	105	8	F0
	106	9	A2
	107	7	A2
	108	1	G5

82	+4°	2126	9	1.3	+4	31.6	8.5
83	+3°	2149	9	0.8	+3	45.2	9.0
84	+3°	2154	9	2.0	+3	01.6	7.8
85	+4°	2136	9	4.0	+4	23.2	8.3
86	+4°	2139	9	4.6	+4	28.5	7.2
87	+4°	2144	9	5.9	+4	25.6	7.7
88	+3°	2162	9	4.5	+3	44.6	8.5
89	+3°	2169	9	5.8	+3	57.5	8.5
90	+3°	2170	9	6.0	+3	30.6	8.8
91	+3°	2171	9	6.2	+3	27.1	9.0
92	+3°	2173	9	6.4	+3	28.5	8.0
93	+2°	2167	9	6.8	+2	55.7	4.3
94	+2°	2168	9	7.6	+2	40.4	7.5
95	+2°	2172	9	8.6	+2	18.8	8.5
96	+3°	2177	9	8.4	+3	9.4	8.5
97	+3°	2174	9	9.7	+3	14.9	8.8
98	+2°	2173	9	9.7	+2	33.0	7.5
99	+2°	2174	9	10.2	+2	13.6	8.3
100	+3°	2193	9	13.6	+3	34.0	7.2
101	+4°	2178	9	13.7	+4	2.3	8.0
102	+4°	2172	9	12.9	+4	33.7	8.5
103	+4°	2174	9	14.8	+4	59.1	8.2
104	+3°	2195	9	15.4	+3	58.5	8.8
105	+4°	2178	9	15.7	+4	7.6	7.8
106	+5°	2169	9	16.0	+5	49.7	7.5
107	+5°	2174	9	16.8	+4	33.1	8.5
108	+4°	2181	9	16.5	+4	54.3	8.3

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No.	Int.	Class	Remark
109	1	fp5	
110	6	Ao	
111	7	F5	
112	3	K0	E.
113	3	F	E. Focus poor.
114	5	fp	E.
115	4	fp5	E.
116	4	Mb	E.
117	5	K0	E.
118	4	A	E.
119	1	K	
120	2	A2	
121	1	F5	
122	1	K	
123	7	K0	
124	5	F0	
125	4	F0	
126	1	A	
127	2	K0	
128	2	fp0	
129	2	fp5	
130	6	K0	
131	4	K0	
132	4	A0	
133	3	F5	E.
134	4	K0	E.
135	1	A	

109	+4°	2184	9	17.4	+4	38.0	8.5	✓
110	+4°	2185	9	17.8	+4	54.0	8.0	✓
111	+6°	2169	9	16.8	+6	57.7	7.2	✓
112	+6°	2173	9	17.7	+6	52.2	7.7	✓
113	+7°	2127	9	18.9	+7	8.8	8.0	✓
114	+6°	2177	9	19.7	+6	51.0	7.3	✓
115	+6°	2180	9	20.6	+6	31.6	8.0	✓
116	+8°	2215	9	15.8	+8	19.9	7.3	✓
117	+6°	2061	8	47.8	+6	7.0	7.9	✓
118	+7°	2049	8	48.8	+7	12.1	8.5	✓
119	+6°	2071	8	49.9	+6	27.4	8.5	✓
120	+6°	2079	8	51.9	+6	55.2	8.7	✓
121	+6°	2078	8	51.7	+6	18.2	8.9	✓
122	+6°	2084	8	53.3	+6	34.6	8.8	✓
123	+6°	2087	8	53.9	+6	12.4	6.5	✓
124	+6°	2089	8	54.2	+6	13.5	8.0	✓
125	+5°	2100	8	54.0	+5	33.0	8.3	✓
126	+4°	2102	8	53.6	+4	29.0	9.0	✓
127	+5°	2105	8	56.0	+5	1.5	8.5	✓
128	+5°	2104	8	55.7	+5	58.8	8.7	✓
129	+7°	2062	8	54.1	+7	3.9	8.3	✓
130	+7°	2066	8	56.0	+7	52.8	6.5	✓
131	+7°	2068	8	56.5	+7	24.6	7.0	✓
132	+7°	2078	8	59.7	+7	24.8	8.0	✓
133	+8°	2165	8	59.9	+8	4.1	8.2	✓
134	+8°	2172	9	1.3	+8	6.0	7.3	✓
135	+6°	2115	9	3.1	+6	56.3	8.5	✓

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April 5, 1912

H 37606

No.	Int.	Class	Remark
136	8	Fo	
137	8	Bg	
138	1	K	
139	2	fg0	
140	4	Ko	
141	3	Ko	
142	1	K	
143	9	A5	
144	2	fg5	Difficult.
145	4	F2	
146	4	~~F8~~	
Time 21.51	147	×6	~~F8~~
146a	2	A	
147a	1	K5	

148 1 K2

136	+6°	2120	9	4.3	+6	3.5	7.0	✓
137	+6°	2129	9	5.7	+6	24.6	8.0	✓
138	+6°	2131	9	6.4	+6	31.1	8.5	✓
139	+5°	2139	9	6.2	+5	1.4	8.8	✓
140	+5°	2143	9	7.3	+5	3.2	8.0	✓
141	+4°	2150	9	7.3	+4	48.0	8.1	✓
142	+4°	2155	9	8.5	+4	26.3	8.8	✓
143	+5°	2158	9	12.2	+5	49.9	7.1	✓
144	+5°	2161	9	12.4	+5	37.6	8.5	✓
145	+4°	2165	9	12.3	+4	53.6	8.5	✓
146	+6°	2153	9	13.7	+6	7.6	8.3	✓
147	+6°	2155	9	14.5	+6	11.7	8.0	✓
146a	+6°	2166	9	14.5	+6	44.0	8.8	✓
147a	+7°	2099	9	8.3	+7	7.5	8.3	✓

Identified by A.M.C. May 6, 1912

Checked by J. C. M. June 6, 1912

✓ 148 +0° 2438 8 K9.3 +0 56 8.8 80 m H37654

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April 5, 1912

Time 21.58 — I37607

No.	Int.	Class	Remark
1	2	N	0, 6, 10.
2	4	ly5	
3	7	K0	
4	3	A5	8.
5	2	ly	8.
6	10	A2	8.
7	8	A5	8.
8	3	ly5	Focus poor
9	9	A0	
10	5	Mb	
11	5	B9	
12	1	ly	
13	2	F0	
14	2	ly0	
15	2	A5	
16	2	ly5	
17	1	ly	
18	5	A2	
19	3	ly5	
20	1	ly	
21	2	F	
22	6	B9	
23	2	K5	
24	4	F2	
25	4	K0	
26	4	F5	
27	4	A0	

1	+17°	1973	8	47.2	+17	46.9	Var.	✓
2	+18°	2087	8	48.6	+18	3.5	8.0	✓
3	+17°	1979	8	49.0	+17	42.4	6.8	✓
4	+16°	1865	8	47.1	+16	45.9	8.4	✓
5	+16°	1868	8	48.0	+16	15.9	8.2	✓
6	+15°	1945	8	49.2	+15	52.5	5.7	✓
7	+16°	1864	8	49.5	+16	7.5	6.1	✓
8	+16°	1862	8	49.2	+16	52.2	8.1	✓
9	+18°	2090	8	50.1	+18	52.0	6.8	✓
10	+18°	2093	8	51.0	+18	42.0	7.0	✓
11	+17°	1990	8	53.6	+17	39.8	7.5	✓
12	+17°	1991	8	53.8	+17	54.1	8.2	✓
13	+18°	2103	8	54.5	+18	19.7	8.3	✓
14	+18°	2106	8	55.0	+18	8.6	8.5	✓
15	+18°	2111	8	55.7	+18	33.8	8.5	✓
16	+19°	2147	8	55.7	+19	15.3	8.5	✓
17	+18°	2114	8	56.2	+18	50.6	8.8	✓
18	+17°	2004	8	57.6	+17	58.2	8.0	✓
19	+17°	2007	8	58.1	+17	41.8	7.5	✓
20	+16°	1898	8	57.3	+16	29.1	8.7	✓
21	+16°	1899	8	57.4	+16	28.1	9.1	✓
22	+16°	1901	8	58.1	+16	26.3	7.5	✓
23	+15°	1977	8	58.3	+15	51.2	8.1	✓
24	+15°	1981	8	58.7	+15	48.4	8.1	✓
25	+15°	1984	9	0.1	+15	17.5	7.5	✓
26	+15°	1986	9	1.2	+15	50.3	8.8	✓
27	+16°	1914	9	1.8	+16	2.8	8.5	✓

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No.	Int.	Class	Remark
28	3	A3	
29	3	A	
30	4	K0	
31	3	F5	
32	5	K0	
33	3	K0	
34	3	ly	Focus poor
35	2	K2	
36	8	A0	
37	2	ly5	
38	5	A0	
39	1	ly5	Partly superposed on 38
40	7	ly5	
41	1	ly0	
42	3	F5	
43	8	K0	
44	4	F0	
45	2	A2	
46	3	ly0	
47	1	F	
48	4	A3	
49	8	A3	
50	3	ly5	
51	2	F5	
52	2	F8	
53	5	A0	
54	3	F0	

28	+16°	1917	9	2.4	+16	11.4	8.5	✓
29	+16°	1913	9	1.6	+16	40.6	8.9	✓
30	+17°	2018	9	0.5	+17	16.4	8.0	✓
31	+17°	2020	9	0.8	+17	49.4	8.5	✓
32	+18°	2129	9	0.9	+18	3.5	7.8	✓
33	+18°	2124	8	59.0	+18	42.7	8.5	✓
34	+19°	2170	9	1.8	+19	32.5	8.7	✓
35	+19°	2171	9	2.7	+19	28.7	8.2	✓
36	+18°	2138	9	3.8	+18	38.0	6.8	✓
37	+18°	2140	9	4.8	+18	4.9	8.7	✓
38	+17°	2032	9	4.6	+17	7.1	7.7	✓
39	+17°	2034	9	4.7	+17	13.2	8.0	✓
40	+15°	2003	9	4.4	+15	34.6	7.0	✓
41	+16°	1928	9	6.4	+16	44.0	9.0	✓
42	+16°	1930	9	6.9	+16	35.1	8.0	✓
43	+15°	2009	9	7.2	+15	32.6	5.8	✓
44	+15°	2011	9	7.9	+15	37.4	8.5	✓
45	+15°	2013	9	8.2	+15	42.4	8.5	✓
46	+18°	2147	9	6.1	+18	51.1	8.7	✓
47	+19°	2182	9	6.4	+19	12.6	9.0	✓
48	+19°	2186	9	7.7	+19	22.9	8.5	✓
49	+19°	2187	9	8.3	+19	24.9	7.0	✓
50	+18°	2155	9	8.8	+18	44.8	8.2	✓
51	+18°	2150	9	7.7	+18	6.7	8.5	✓
52	+17°	2052	9	9.3	+17	9.4	8.7	✓
53	+17°	2053	9	9.6	+17	19.2	8.0	✓
54	+17°	2057	9	10.5	+17	50.6	8.5	✓

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No.	Mt.	Class	Remark
55	8	F5	
56	1	K	
57	4	F0	
58	2	F8	
59	5	G5	
60	4	G0	
61	3	K0	
62	5	F2	
63	7	A5	
64	1	G	
65	8	A0	
66	5	A2	
67	7	K0	
68	1	G	
69	6	F8	
70	4	K2	
71	2	F5	
72	2	A0	
73	6	A3	
74	2	K0	
75	4	K0	
76	3	F	8.
77	3	G	6.
78	4	F5	
79	3	F0	
80	2	G	
81	1	K	

55	+18°	2165	9	10.9	+18	17.7	7.0	✓
56	+18°	2160	9	9.9	+18	39.0	8.5	✓
57	+19°	2194	9	10.1	+19	23.5	8.0	✓
58	+20°	2302	9	10.5	+20	1.7	8.9	✓
59	+19°	2198	9	12.5	+19	44.0	7.5	✓
60	+19°	2201 2194	9	13.6	+19	21.7	7.5	✓
61	+18°	2176	9	14.7	+18	44.6	7.8	✓
62	+17°	2062	9	12.6	+17	44.2	7.7	✓
63	+17°	2065	9	13.4	+17	12.9	6.8	✓
64	+16°	1945	9	12.0	+16	33.2	8.8	✓
65	+15°	2026 7	9	13.2	+15	58.9	6.7	✓
66	+16°	1956	9	14.7	+16	23.6	8.2	✓
67	+17°	2078	9	17.5	+16 7	12.5	6.3	✓
68	+18°	2181	9	16.0	+18	48.8	8.5	✓
69	+18°	2182	9	16.4	+18	46.2	6.8	✓
70	+18°	2183	9	16.6	+18	18.8	7.0	✓
71	+19°	2209	9	16.9	+19	21.9	8.8	✓
72	+19°	2212	9	17.9	+19	31.1	8.3	✓
73	+19°	2215	9	18.4	+19	42.1	7.5	✓
74	+18°	2195	9	18.9	+18	38.6	8.5	✓
75	+18°	2207	9	21.5	+18	18.8	7.5	✓
76	+20°	2323	9	19.8	+20	26.5	8.8	✓
77	+19°	2218	9	20.9	+19	54.3	8.3	✓
78	+20°	2244	8	48.6	+20	44.1	8.0	✓
79	+19°	2131	8	49.7	+19	50.4	8.5	✓
80	+21°	1945	8	49.0	+21	38.6	9.0	✓
81	+21°	1946	8	49.1	+21	53.7	8.5	✓

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Nr.	Dist.	Class	Remark
82	2	fy	
83	4	fy5	
84	1	K	
85	2	fy5	
86	3.	fy5	
87	1	K	
88	5	F5	
89	1	K	
90	1	K	
91	4	F5	
92	4	K0	
93	5	fy0	
94	1	K	
95	1	K	
96	4	A0	
97	5	F2	
98	1	fy	Uncertain Dist unless confirmed.
99	2	fy	
100	10	fy	
101	8	fy5	
102	4	F0	
103	3	fy F8	
104	3	fy0	
105	9	A0	
106	1	K5	
107	2	fy5	
108	1	fy	

82	+21°	1948	8	49.5	+ 21	23.4	8.5 ✓
83	+21°	1952	8	50.6	+ 21	48.1	7.5 ✓
84	+21°	1956	8	52.2	+ 21	18.0	8.6 ✓
85	+22°	2037	8	52.4	+ 22	1.9	8.5 ✓
86	+22°	2039	8	54.4	+ 22	5.3	7.6 ✓
87	+21°	1965	8	55.3	+ 21	8.3	8.5 ✓
88	+20°	2260	8	55.5	+ 20	39.2	8.2 ✓
89	+19°	2139	8	58.2	+ 19	36.2	8.5 ✓
90	+19°	2145	8	58.3	+ 19	55.7	8.8 ✓
91	+19°	2153	8	57.2	+ 19	59.8	8.0 ✓
92	+20°	2265	8	58.3	+ 20	42.5	7.8 ✓
93	+21°	1969	8	58.4	+ 21	4.5	7.5 ✓
94	+21°	1968	8	57.6	+ 21	27.6	8.5 ✓
95	+21°	1973	8	59.4	+ 21	34.9	8.8 ✓
96	+22°	2051	8	58.5	+ 22	58.8	7.7 ✓
97	+23°	2049	8	59.6	+ 23	2.4	7.8 ✓
98	+22°	2052	8	59.0	+ 22	31.2	9.0 ✓
99	+21°	1978	9	0.3	+ 21	56.9	9.0 ✓
100	+22°	2061	9	1.1	+ 22	36.9	4.8 ✓
101	+22°	2063	9	2.0	+ 22	34.6	6.5 ✓
102	+22°	2065	9	2.2	+ 22	14.3	7.9 ✓
103	+21°	1987	9	3.5	+ 21	0.6	8.7 ✓
104	+21°	1988	9	4.5	+ 21	16.2	8.0 ✓
105	+21°	1991	9	5.3	+ 21	52.7	6.5 ✓
106	+21°	1997	9	7.7	+ 21	53.0	8.8 ✓
107	+22°	2072	9	9.5	+ 22	23.7	8.0 ✓
108	+22°	2074	9	10.3	+ 22	10.6	9.0 ✓

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No.	Int.	Class	Remark
109	2	F	Difficult
110	4	F5	
111	3	K2	
112	1	K	
113	2	G	Difficult
114	3	K0	
115	2	G0	
116	5	G0	
117	3	G0	
118	6	G5	
119	1	G5	
120	1	K	
121	7	A2	E.
122	3	A	E.
123	2	A	E.
124	5	G5	
125	4	A0	
126	3	F8	
127	4	A2	
128	10	B8	E.
129	3	G5	
130	2	G5	
131	5	G5	
132	1	K	
133	2	G0	
134	3	A2	
135	2	K0	

109	+20°	2293	9	7.8	+20	40.5	8.5	✓
110	+21°	2009	9	10.4	+21	25.1	8.4	✓
111	+21°	2014	9	11.4	+21	9.3	7.8	✓
112	+21°	2017	9	12.3	+21	2.3	8.8	✓
113	+22°	2078	9	12.6	+22	16.9	8.4	✓
114	+22°	2082	9	13.7	+22	6.4	8.2	✓
115	+20°	2305	9	13.2	+20	4.0	8.6	✓
116	+20°	2314	9	15.6	+20	59.1	7.4	✓
117	+20°	2315	9	15.9	+20	5.3	8.4	✓
118	+20°	2318	9	16.6	+20	26.0	6.3	✓
119	+21°	2028	9	17.6	+21	0.4	8.6	✓
120	+21°	2036	9	21.2	+21	32.6	7.8	✓
121	+22°	2100	9	22.2	+22	28.1	7.0	✓
122	+22°	2021	8	47.6	+22	14.5	8.1	✓
123	+22°	2026	8	48.0	+22	24.8	8.9	✓
124	+22°	2029	8	48.7	+22	24.8	6.7	✓
125	+23°	~~2100~~ 2027	8	50.~~2~~7	+23	~~27.6~~ 1.3	~~7.5~~ 8.0	✓
126	+23°	2029	8	52.1	+23	1.9	8.0	✓
127	+24°	2022	8	50.3	+24	31.8	7.5	✓
128	+25°	2029	8	54.3	+25	1.5	5.3	✓
129	+22°	2041	8	54.5	+22	49.5	7.4	✓
130	+23°	2035	8	55.0	+23	11.2	7.3	✓
131	+23°	2040	8	56.6	+23	26.3	7.0	✓
132	+23°	2041	8	57.2	+23	38.1	8.5	✓
133	+24°	2038	8	57.7	+24	18.8	8.5	✓
134	+23°	2045	8	58.6	+23	55.2	8.2	✓
135	+23°	2047	8	58.9	+23	27.4	8.4	✓

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No.	Fnt.	Class	Remark
136	9	F5	
137	2	A0	
138	2	K5	
139	2	A	
140	3	K0	E.
141	3	G5	
142	2	K0	
143	3	F2	
144	3	K0	
145	2	F0	
146	4	K0	
147	5	F5	
148	2	G5	
149	2	G5	
150	1	K	
151	1	K	Focus poor
152	4	K	" "
June 22.19 153	3	G5	E.
154			
155			
154 156	2	G0	
155 157	3	K0	
156	2	G5	
157	2	G5	

136	+23°	2048	8	59.1	+23	33.6	6.5	✓
137	+24°	2043	9	0.8	+24	5.0	8.6	✓
138	+23°	2055	9	1.6	+23	15.8	7.9	✓
139	+24°	2049	9	3.5	+24	13.0	8.5	✓
140	+24°	2054	9	5.1	+24	53.4	7.5	✓
141	+23°	2063	9	6.8	+23	57.8	7.5	✓
142	+23°	2062	9	6.6	+23	18.8	7.8	✓
143	+23°	2067	9	7.1	+23	24.1	7.8	✓
144	+24°	2065	9	7.8	+24	1.1	7.0	✓
145	+23°	2068	9	8.3	+23	30.9	7.9	✓
146	+23°	2072	9	9.5	+23	41.3	6.5	✓
147	+24°	2068	9	8.9	+24	15.4	7.3	✓
148	+23°	2074	9	10.6	+23	30.9	8.6	✓
149	+23°	2078	9	12.4	+23	15.8	8.2	✓
150	+23°	2079	9	13.1	+23	31.0	7.9	✓
151	+23°	2080	9	13.3	+23	22.7	7.8	✓
152	+24°	2080	9	16.0	+24	11.7	7.0	✓
153	+25°	2083	9	11.4	+25	2.2	7.3	✓
154								

Identified by A.M.C. May 7, 1912
Checked by J.C.M. June 6, 1912

154	+17°	2039	9	19.7	+17	31	8.7	6 on I 37608
155	+17°	2092	9	21.0	+17	44	8.5	8 " "
156	+18°	2212	9	22.7	+18	29	9.2	10 " "
157	+20°	2325	9	21.3	+20	46	8.7	63 sw I 37608

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Time: 21.37

I 37689

No.	Int.	Class	Remark
1	4	F	E.
2	8	F	E. Faint very poor.
3	3	F5	E.
4	2	G	E.
5	8	F8	
6	8	F5	
7	2	G	
8	2	G5	
9	3	A	
10	5	K5	
11	6	F8	
12	3	G5	
13	3	G5	
14	2	G5	
15	1	G	
16	2	G	
16a	4	A5	E.
17	4	?	
18	5	G0	
19	2	G0	
20	2	G0	
21	2	G5	
22	2	G	
23	2	G	
24	2	F5	
25	9	F2	
26	2	F	
27	3	G5	

1	+8°	3005	15	10.5	+8	22.6	8.1	✓
2	+10°	2818	15	9.6	+10	14.5	7.0	✓
3	+9°	3016	15	10.3	+9	54.7	8.5	✓
4	+9°	3017	15	11.4	+9	17.7	8.9	✓
5	+10°	2823	15	11.8	+10	57.6	6.8	✓
6	+9°	3025	15	13.7	+9	27.0	7.9	✓
7	+8°	3015	15	14.6	+8	58.5	8.8	✓
8	+8°	3011	15	13.8	+8	12.7	8.7	✓
9	+8°	3020	15	16.4	+8	9.3	8.8	✓
10	+9°	3031	15	17.0	+9	25.6	7.5	✓
11	+8°	3023	15	17.3	+8	59.9	8.0	✓
12	+9°	3032	15	17.3	+9	37.1	8.2	✓
13	+8°	3026	15	17.9	+8	17.7	8.0	✓
14	+9°	3037	15	19.0	+9	2.7	8.7	✓
15	+8°	3031	15	19.3	+8	53.0	9.0	✓
16	+8°	3033	15	20.2	+8	58.6	8.7	✓
16a	+7°	2968	15	21.5	+7	25.2	8.7	✓
17	+10°	2853	15	19.5	+10	32.8	7.0	✓
18	+10°	2854	15	20.3	+10	12.8	8.9	✓
19	+10°	2856	15	20.6	+10	24.0	9.0	✓
20	+11°	2810	15	20.7	+11	9.1	9.1	✓
21	+10°	2863	15	21.9	+10	53.4	8.7	✓
22	+10°	2851	15	21.3	+10	59.1	9.1	✓
23	+10°	2864	15	22.2	+10	27.7	9.0	✓
24	+9°	3049	15	22.6	+9	44.4	9.0	✓
25	+9°	3055	15	23.9	+9	4.8	6.7	✓
26	+8°	3029	15	24.3	+8	57.1	9.0	✓
27	+8°	3040	15	24.6	+8	18.1	8.2	✓

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No.	Int.	Class	Remark
28	1	ly	
29	6	F8	
30	4	F8	
31	1	K	
32	2	F0	
33	5	F8	
34	3	ly5	
35	10+	F	
36	1	ly	
37	1	A	
38	9	ly0	
39	1	K	
40	4	ly5	
41	6	F8	
42	5	ly5	
43	1	ly	
44	2	F0	
45	2	ly5	
46	1	ly	
47	1	ly5	
48	5	F5	
49	3	F8	
50	6	ly5	
51	6	F5	
52	2	F8	
53	1	ly5	
54	2	ly5	

28	+8°	3043	15	25.1	+8	52.9	8.6	✓
29	+9°	3062	15	25.4	+9	5.1	8.7	✓
30	+10°	2868	15	24.9	+10	9.3	8.5	✓
31	+10°	2871	15	25.6	+10	16.7	8.4	✓
32	+10°	2878	15	25.9	+10	37.3	9.0	✓
33	+9°	3066	15	26.7	+9	51.1	8.2	✓
34	+9°	3071	15	28.4	+9	37.6	8.5	✓
35	+11°	2821	15	27.9	+11	1.7	3.3	✓
36	+10°	2879	15	28.2	+10	40.5	9.0	✓
37	+10°	2881	15	28.7	+10	30.3	9.4	✓
38	+10°	2884	15	29.5	+10	30.1	6.2	✓
39	+11°	2830	15	29.8	+11	3.6	8.8	✓
40	+11°	2833	15	30.7	+11	37.2	7.5	✓
41	+10°	2886	15	31.0	+10	44.5	7.3	✓
42	+11°	2834	15	31.9	+11	5.5	7.4	✓
43	+11°	2837	15	32.5	+11	12.4	9.0	✓
44	+10°	2887	15	32.5	+10	26.7	8.9	✓
45	+9°	3075	15	30.3	+9	12.9	8.6	✓
46	+9°	3079	15	32.0	+9	23.7	9.1	✓
47	+9°	3080	15	32.6	+9	28.4	8.5	✓
48	+9°	3081	15	32.7	+9	36.2	8.3	✓
49	+8°	3060	15	32.9	+8	59.7	8.5	✓
50	+9°	3083	15	34.1	+8	46.5	8.1	✓
51	+10°	2893	15	35.3	+10	7.1	8.1	✓
52	+9°	3089	15	35.7	+9	59.2	8.8	✓
53	+9°	3088	15	36.7	+9	28.6	9.0	✓
54	+9°	3093	15	36.6	+9	4.6	8.6	✓

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No.	Int.	Class	Remark
55	1	fy	
56	1	fy	superposed on 55
57	3	fy5	
58	2	fy	
59	6	fy0	
60	2	f5	
61	4	a0	
62	2	f0	
63	3	f8	
64	2	fy	
65	10	fy	Turned out.
66	3	fy5	
67	3	f	E.
68	3	fy5	E.
69	6	f	E.
70	2	fy	
71	6	f0	
72	2	fy5	
73	4	f2	
74	2	fy	
75	2	fy5	
76	3	fy5	
77	3	f0	In a group.
78	10+	K	
79	4	a3	
80	3	fy5	
81	1	fy5	

55	+9°	3095	15	37.5	+9	19.1	8.4	✓
56	approx	1875	15	37.6	+9	20		✓
57	+9°	3097	15	38.5	+9	6.7	8.2	✓
58	+8°	3081	15	39.6	+8	49.3	8.3	✓
59	+8°	3066	15	35.2	+8	17.3	7.5	✓
60	+8°	3071	15	36.1	+8	30.2	9.0	✓
61	+8°	3073	15	36.9	+8	3.6	8.5	✓
62	+8°	3076	15	37.5	+8	34.3	8.4	✓
63	+7°	3019	15	38.1	+7	57.4	9.0	✓
64	+8°	3079	15	38.5	+8	23.5	8.9	✓
65	+7°	3023	15	39.4	+7	49.4	5.0	✓
66	+7°	2979	15	27.8	+7	17.3	8.2	✓
67	+7°	2992	15	29.4	+7	40.8	8.7	✓
68	+6°	3066	15	28.4	+6	33.1	8.5	✓
69	+6°	3069	15	28.9	+6	38.7	7.5	✓
70	+8°	3057	15	30.4	+8	0.1	9.0	✓
71	+7°	2996	15	31.0	+7	53.9	8.7	✓
72	+7°	2997	15	31.5	+7	29.7	8.7	✓
73	+7°	3000	15	32.5	+7	27.6	8.5	✓
74	+7°	3006	15	33.6	+7	20.0	8.5	✓
75	+7°	3007	15	34.9	+7	31.5	8.5	✓
76	+7°	3010	15	35.8	+7	20.7	7.5	✓
77	+7°	3011	15	35.8	+7	23.1	8.7	✓
78	+6°	3088	15	37.2	+6	53.1	2.2	✓
79	+11°	2794	15	15.0	+11	2.6	8.4	✓
80	+11°	2799	15	16.5	+11	15.9	8.5	✓ +11° 2798 Superposed.
81	+10°	2830	15	14.1	+10	34.7	9.0	✓

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No.	Int.	Class	Remark
82	2	K2	
83	1	K	
84	1	ly	
85	6	G0	
86	6	F2	
87	1	ly5	
88	9	G0	
89	2	ly5	
90	1	ly	
91	3	F5	
92	4	F0	
93	1	ly5	
94	3	ly5	
95	5	F0	
96	1	K	
97	5	ly5	
98	8	F0	
99	5	K0	
100	1	F5	
101	7	ly0	
102	2	ly	
103	3	F5	
104	2	ly5	
105	1	K	
106	1	K	
107	1	K	
108	1	ly	

82	+10°	2835	15	15.8	+10	7.0	8.5	✓
83	+10°	2836	15	15.8	+10	26.7	8.5	✓
84	+10°	2843	15	16.8	+10	57.7	8.7	✓
85	+11°	2800	15	17.3	+11	4.1	7.3	✓
86	+11°	2801	15	17.9	+11	30.4	7.3	✓
87	+11°	2804	15	18.4	+11	9.5	8.7	✓
88	+13°	2928	15	15.5	+13	6.5	6.4	✓
89	+12°	2829	15	16.0	+12	35.9	8.3	✓
90	+11°	2796	15	16.1	+11	52.8	9.0	✓
91	+12°	2830	15	17.0	+12	6.5	8.8	✓
92	+12°	2831	15	17.9	+12	15.6	8.8	✓
93	+12°	2834	15	18.5	+12	39.7	9.0	✓
94	+13°	2943	15	19.4	+13	26.8	8.1	✓
95	+13°	2946	15	20.4	+13	53.6	7.2	✓
96	+13°	2947	15	21.0	+13	36.0	9.0	✓
97	+13°	2953	15	22.3	+13	33.3	6.8	✓
98	+12°	2838	15	21.2	+12	22.4	7.0	✓
99	+12°	2844	15	23.5	+12	29.4	7.5	✓
100	+11°	2815	15	24.1	+11	19.8	9.2	✓
101	+11°	2816	15	25.8	+11	27.7	7.2	✓
102	+11°	2818	15	25.9	+11	9.2	8.7	✓
103	+12°	2852	15	26.5	+12	9.0	8.9	✓
104	+12°	2854	15	26.6	+12	14.7	8.6	✓
105	+12°	2855	15	26.6	+12	35.5	8.6	✓
106	+11°	2820	15	26.9	+11	55.2	8.2	✓
107	+11°	2823	15	28.3	+11	26.0	9.2	✓
108	+11°	2824	15	28.5	+11	31.1	9.5	✓

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No.	Int.	Class	Remarks
109	8	$fg5$	
110	3	$Ik0$	
111	4	Io	
112	2	$Ik0$	
113	6	$Is8$	
114	7	Io	
115	7	Bq	
116	7	$fg5$	
117	10+	a	
118	1	7	
119	4	$fg0$	
120	3	$Ik0$	
121	2	$fg0$	
122	2	$Is8$	
123	4	$Ik2$	
124	2	$Aw5$	
125	6	$Is8$	
126	4	$Ik0$	
127	2	$fg5$	
128	8	$Ac2$	
129	2	$fg5$	
130	5	I	
131	6	$fg5$	
132	2	$Ik5$	
133	4	$Is5$	
134	3	$Is5$	
135	2	$fg0$	

109	+11°	2826	15	29.0	+11	44.5	6.3	✓
110	+12°	2861	15	29.9	+12	5.3	7.7	✓
111	+12°	2862	15	30.1	+12	5.2	8.7	✓
112	+12°	2865	15	30.9	+12	4.7	8.6	✓
113	+13°	2969	15	29.0	+13	25.0	7.5	✓
114	+12°	2863	15	30.6	+12	47.4	7.0	✓
115	+12°	2870	15	31.9	+12	45.1	7.2	✓
116	+12°	2875	15	33.3	+12	31.8	6.5	✓
117	+13°	2982	15	35.0	+13	18.5	5.5	✓
118	+12°	2881	15	35.8	+12	14.1	9.1	✓
119	+11°	2846	15	35.2	+11	27.2	8.2	✓
120	+11°	2844	15	35.1	+11	1.9	8.0	✓
121	+10°	2892	15	35.1	+10	45.9	8.9	✓
122	+11°	2888	15	36.1	+11	27.9	8.5	✓
123	+12°	2883	15	36.5	+12	10.5	7.0	✓
124	+12°	2884	15	36.9	+12	16.7	9.0	✓
125	+11°	2853	15	37.7	+11	44.8	7.5	✓
126	+11°	2854	15	37.7	+11	53.0	7.6	✓
127	+11°	2852	15	37.6	+11	16.7	8.5	✓
128	+10°	2904	15	39.8	+10	14.6	7.4	✓
129	+10°	2908	15	40.4	+10	56.1	8.7	✓
130	+10°	2911	15	42.4	+10	31.6	8.1	✓
131	+14°	2922	15	36.4	+14	8.3	6.8	✓
132	+13°	2993	15	37.1	+13	16.5	8.5	✓
133	+13°	3008	15	39.1	+13	0.7	8.3	✓
134	+12°	2889	15	38.5	+12	36.1	9.0	✓
135	+12°	2897	15	40.2	+12	48.1	9.0	✓

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No.	Int.	Class	Remark
136	6	A2	
137	4	G	E.
138	10	A0	E.
139	6	K0	E.
140	2	G	E.
141	7	A	E.
142	5	K0	E.
143	5	G5	E.
144	2	G5	E.
145	1	K	E.
146	3	Ma	
147	4	G0	
148	4	G0	
149	1	K	
150	2	G5	
151	2	K0	
152	4	A5	
153	7	K5	E.
154	6	B5	
155	3	F8	
156	5	A3	
157	2	G5	E.
158	5	K	E.
159	3	K	E.
160	5	A2	E.
161	8	Bq	E.
162	5	K2	E.

136	+11°	2864	15	40.2	+11	58.8	7.5	J
137	+14°	2985	15	39.6	+14	10.7	8.1	J
138	+14°	2939	15	40.5	+14	34.5	6.0	J
139	+14°	2940	15	41.5	+14	14.6	7.0	J
140	+13°	3010	15	41.5	+13	36.4	8.4	J
141	+13°	3012	15	42.0	+13	10.4	7.0	J
142	+12°	2904	15	42.7	+12	59.8	7.0	J
143	+14°	2853	15	9.3	+14	1.0	6.8	J
144	+14°	2856	15	10.1	+14	46.6	8.5	J
145	+13°	2919	15	11.0	+13	41.2	9.0	J
146	+15°	2845	15	13.3	+15	4.6	7.3	J
147	+14°	2863	15	14.5	+14	2.8	7.8	J
148	+13°	2930	15	16.1	+13	53.7	7.8	J
149	+14°	2866	15	16.5	+14	33.6	7.9	J
150	+13°	2935	15	17.1	+13	53.0	8.3	J
151	+15°	2855	15	18.5	+15	7.0	8.2	J
152	+15°	2856	15	18.5	+15	36.3	8.2	J
153	+15°	2858	15	19.1	+15	56.5	4.8	J
154	+15°	2862	15	19.6	+15	13.2	8.0	J
155	+15°	2864	15	20.4	+15	4.9	8.4	J
156	+15°	2871	15	22.4	+15	47.6	8.2	J
157	+16°	2788	15	22.0	+16	24.0	8.8	J
158	+16°	2789	15	22.6	+16	54.3	6.5	J
159	+16°	2790	15	23.1	+16	42.0	7.1	J
160	+16°	2795	15	25.2	+16	44.4	7.7	J
161	+16°	2797	15	26.5	+16	33.3	6.2	J
162	+16°	2799	15	26.4	+16	30.6	7.0	J

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No.	Int.	Class	Remark
163	4	A5	
164	4	g5	
165	2	g5	
166	2	g5	
167	2	g	
168	2	g0	
169	2	g	
170	7	Int	
171	9	A0	
172	1	K	
173	5	F5	
174	9	F0	
175	1	K	E.
176	5	A2	
177	8	g5	
178	2	K	E.
179	4	K	E.
180	10+	A2	
181	7	A3	

Time 22.13 ~~H0~~

~~M~~

163	+15°	2881	15	25.6	+15	40.5	8.0 ✓
164	+14°	2889	15	24.9	+14	47.4	7.8 ✓
165	+14°	2890	15	25.0	+14	34.9	7.8 ✓
166	+13°	2960	15	26.5	+13	33.4	8.0 ✓
167	+13°	2966	15	27.8	+13	39.5	8.5 ✓
168	+14°	2894	15	26.0	+14	22.5	9.1 ✓
169	+14°	2895	15	26.3	+14	47.2	9.3 ✓
170	+15°	2890	15	29.8	+15	34.3	6.7 ✓
171	+15°	2891	15	30.0	+15	24.3	7.0 ✓
172	+16°	2803	15	29.3	+16	35.4	8.5 ✓
173	+15°	2894	15	32.1	+15	52.9	8.4 ✓
174	+16°	2807	15	29.8	+16	36.1	6.0 ✓
175	+17°	2887	15	30.9	+17	0.7	7.8 ✓
176	+16°	2814	15	33.0	+16	47.5	6.5 ✓
177	+16°	2816	15	34.4	+16	31.3	6.0 ✓
178	+16°	2822	15	37.9	+16	58.6	7.5 ✓
179	+17°	2907	15	38.2	+17	12.4	6.8 ✓
180	+15°	2911	15	29.5	+15	53.1	3.3 ✓
181	+15°	2913	15	39.7	+15	59.1	7.1 ✓

Identified by A.M.L. May 7, 1912.

Checked by J.C.M. June 6, 1912

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April 8, 1912

Time: 3h 08

I 37676

No.	Int.	Class	Remark
1	6	Ko	
2	4	A	
3	4	kp5	
4	2	kp5	
5	4	kp0	
6	2	F8	
7	7	Bq	
8	8	Ko	
9	3	Ao	
10	3	Ao	
11	3	Ao	
12	3	F5	
13	4	Ao	
14	1	K	
15	3	F5	
16	4	kp5	
17	3	K2	
18	8	Ao	
19	8	Ao	
20	1	K	E.
21	3	kp5	
22	1	K	
23	5	A5	E.
24	2	B8	E.
25	5	B8	E.
26	3	kp5	E.
27	4	K0	E.

1	+56°	1227	7	25.0	+56	4.7	6.0	J
2	+56°	1226	7	24.3	+56	42.3	8.0	J
3	+57°	1085	7	24.8	+57	9.8	7.5	✓
4	+57°	1086	7	24.8	+57	46.1 53.0	8.0	J
5	+57°	1086	7	24.8	+57	53.0	8.0	J
6	+58°	1050	7	25.0	+58	15.0	8.8	J
7	+57°	1092	7	28.1	+57	34.9	7.5	✓
8	+57°	1093	7	28.8	+57	24.5	6.3	J
9	+57°	1095	7	30.5	+57	7.9	8.4	✓
10	+57°	1098	7	32.1	+57	8.8	8.5	✓
11	+56°	1236	7	33.6	+56	58.0	8.5	J
12	+56°	1235	7	33.5	+56	29.2	8.3	J
13	+55°	1218	7	34.3	+55	59.6	7.3	J
14	+55°	1221	7	35.3	+55	50.0 54.8	8.2 8.1	J
15	+55°	1223	7	37.6	+55	29.8	8.6	J
16	+57°	1105	7	37.0	+57	8.3	8.0	✓
17	+57°	1110	7	40.6	+57	22.8	7.5	J
18	+56°	1253	7	44.7	+56	52.7	7.0	J
19	+55°	1228	7	41.8	+55	34.7	6.5	✓
20	+55°	1226	7	39.8	+55	6.1	7.1	J
21	+55°	1230	7	42.7	+55	5.1	7.0	✓
22	+55°	1235	7	46.3	+55	3.1	8.2	J
23	+54°	1188	7	49.8	+54	50.4	6.7	✓
24	+55°	1240	7	50.7	+55	0.5	8.0	J
25	+55°	1242	7	53.2	+55	9.4	7.5	✓
26	+55°	1243	7	53.3	+55	54.3	7.8	✓
27	+55°	1247	7	55.9	+55	43.6	7.5	✓

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No.	Int.	Class	Remark
28	7	F0	
29	5	A2	
30	1	ly	
31	1	F5	
32	A 4	F0	
33	8	F2	
34	9	F0	
35	6	ly5	
36	8	A5	E.
37	5	ly5	
38	10	F2	
39	2	ly5	
40	2	F0	
41	N1	ly5	
42	2	ly5	
43	6	F2	
44	1	ly	Difficult
45	5	F5	
46	3	ly	E.
47	3	F5	E.
48	3	ly5	E.
49	2	F5	E.
50	2	K	E.
51	5	A0	E.
52	2	K	E.
53	3	F2	
54	4	F0	

28	+55°	1254	7	58.0	+55	40.6	7.0	✓
29	+56°	1269	7	58.7	+56	13.4	7.9	✓
30	+56°	1272	7	59.3	+56	36.8	8.8	✓
31	+56°	1274	8	1.0	+56	27.2	8.9	✓
32	+56°	1275	8	1.5	+56	3.7	8.0	✓
33	+56°	1276	8	1.8	+56	57.9	6.8	✓
34	+56°	1278	8	2.2	+56	52.9	5.7	✓
35	+54°	1208	7	57.9	+54	58.3	6.7	✓
36	+55°	1265	8	7.2	+55	1.4	6.7	✓
37	+57°	1128	8	4.5	+55	32.3	7.8	✓
38	+58°	1112	8	8.7	+58	10.8	6.2	✓
39	+57°	1131	8	8.7	+57	45.1	7.6	✓
40	+57°	1132	8	9.2	+57	24.1	8.2	✓
41	+57°	1134	8	10.4	+57	4.7	7.9	✓
42	+57°	1135	8	10.7	+57	18.2	7.9	✓
43	+57°	1137	8	12.2	+57	52.4	8.0	✓
44	+56°	1290	8	11.4	+56	56.3	8.9	✓
45	+56°	1287	8	7.5	+56	42.3	7.0	✓
46	+55°	1267	8	8.7	+55	39.2	8.0	✓
47	+55°	1271	8	10.7	+55	48.0	8.4	✓
48	+55°	1273	8	12.1	+55	3.0	7.8	✓
49	+54°	1222	8	14.0	+54	58.5	8.4	✓
50	+55°	1276	8	16.4	+55	40.1	7.7	✓
51	+55°	1283	8	20.0	+55	25.3	7.5	✓
52	+56°	1284	8	21.9	+56	50.2	7.6	✓
53	+57°	1139	8	16.1	+57	11.5	8.2	✓
54	+57°	1142	8	16.8	+57	4.2	8.2	✓

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No.	Int.	Class	Remark
55	5	K0	
56	3	gf5	
57	1	K	
58	2	gf0	
59	2	gf0	
60	6	A0	
61	3	F	E.
62	2	gf5	E.
63	4	A2	E.
64	3	gf	E. Uncertain.
65	3	gf5	
66	2	gf5	
67	1	K	
68	7	A0	
69	6	A2	
70	1	K	
71	10	A2	
72	4	F0	
73	2	F	
74	3	F5	
75	5	F0	
76	3	F0	
77	4	K0	
78	2	K0	
79	6	F0	
80	5	B9	
81	1	gf	The m. pt. of two.

55	+57°	1143	8	17.5	+57	8.8	7.1 ✓
56	+58°	1120	8	15.8	+58	39.4	8.1 ✓
57	+59°	1167	8	16.4	+59	13.2	8.8 ✓
58	+59°	1168	8	16.8	+59	17.9	8.3 ✓
59	+58°	1126	8	19.7	+58	25.1	8.8 ✓
60	+59°	1176	8	22.3	+59	4.4	7.0 ✓
61	+58°	1136	8	25.4	+58	41.2	8.3 ✓
62	+57°	1150	8	21.2	+57	12.5	8.2 ✓
63	+57°	1152	8	22.8	+57	24.8	7.8 ✓
64	+60°	1060	7	18.8	+60	46.1	8.4 ✓
65	+60°	1061	7	21.3	+60	19.5	7.8 ✓
66	+60°	1062	7	21.8	+60	7.9	8.1 ✓
67	+59°	1092	7	23.4	+59	50.6	8.5 ✓
68	+60°	1069	7	24.8	+60	50.4	6.7 ✓
69	+59°	1099	7	27.5	+59	52.5	7.2 ✓
70	+59°	1100	7	28.1	+59	25.1	8.0 ✓
71	+59°	1103	7	30.7	+59	1.6	5.0 ✓
72	+59°	1105	7	31.4	+59	37.3	7.5 ✓
73	+57°	1097	7	31.1	+57	50.6	8.5 ✓
74	+58°	1064	7	34.4	+58	52.3	8.4 ✓
75	+59°	1108	7	36.2	+59	26.0	8.0 ✓
76	+59°	1112	7	38.3	+59	23.9	7.8 ✓
77	+59°	1113	7	39.7	+59	50.8	7.5 ✓
78	+59°	1115	7	41.0	+59	1.8	8.1 ✓
79	+58°	1072	7	41.7	+58	34.8	7.5 ✓
80	+58°	1073	7	43.5	+58	52.4	8.5 ✓
81	+59°	1117	7	41.9	+59	19.0	8.3 ✓

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Σ37676

No.	Int.	Class	Remark
82	1	ly5	
83	5	F5	
84	1	ly	
85	3	F2	
86	2	ly0	
87	3	A2	
88	9	F2	
89	2	F5	
90	2	ly	
91	7	ly0	
92	6	F5	
93	2	A	
94	2	F8	
95	9	A0	
96	1	ly	
97	1	ly5	
98	2	A2	
99	7	F0	
100	1	K2	
101	2	ly0	
102	2	A0	
103	2	A5	
104	3	K0	
105	1	K	
106	1	F	
107	1	ly	
108	1	ly5	

82	+59°	1121	7	42.7	+59	46.3	8.8	J
83	+60°	1097	7	44.0	+60	2.6	8.0	J
84	+59°	1124	7	44.8	+59	51.7	9.0	J
85	+60°	1100	7	45.4	+60	27.0	8.5	J
86	+59°	1127	7	47.2	+59	5.3	8.7	J
87	+59°	1128	7	48.0	+59	19.7	8.8	J
88	+59°	1130	7	49.2	+59	26.6	6.0	J
89	+59°	1131	7	50.0	+59	9.8	8.4	J
90	+57°	1117	7	49.6	+57	20.1	8.5	J
91	+57°	1118	7	50.8	+57	40.2	6.5	J
92	+58°	1093	7	53.4	+58	11.4	7.5	J
93	+58°	1094	7	54.1	+58	34.2	8.6	J
94	+58°	1090	7	52.9	+58	49.4	8.5	J
95	+59°	1136	7	53.9	+59	39.6	7.0	J
96	+59°	1142	7	56.6	+59	10.0	9.0	J
97	+58°	1095	7	56.7	+58	42.0	8.9	J
98	+58°	1098	7	57.1	+58	23.0	9.0	J
99	+58°	1102	7	58.2	+58	46.6	6.2	J
100	+58°	1103	7	59.1	+58	48.9	8.2	J
101	+57°	1123	7	58.6	+57	57.6	8.5	J
102	+56°	1264	7	50.2	+56	13.5	8.5	J
103	+56°	1267	7	56.4	+56	51.0	9.0	J
104	+59°	1144	7	58.7	+59	37.0	8.2	J
105	+59°	1149	8	2.5	+59	23.1	8.5	J
106	+59°	1150	8	3.1	+59	30.5	8.9	J
107	+59°	1151	8	3.3	+59	37.0	8.8	J
108	+59°	1152	8	4.6	+59	39.6	8.6	J

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No.	Int.	Class	Remark
109	6	Ko	
110	10	A5	
111	4	ly5	
112	8	Fo	
113	1	ly5	
114	4	Fo	
115	7	ly5	
116	4	Ao	
117	1	F	
118	3	Fo	
119	2	F8	
120	2	F8	
121	5	F8	
122	10+	ly	
123	8	Ao	
124	4	F	E.
125	4	K	E.
126	7	ly5	
127	8	G8	E.
128	3	K	E.
129	4	ly	E. Uncertain.
130	5	F	E.
131	6	F5	
132	1	K	
133	4	ly5	
134	1	F	
135	2	A	

109	+59°	1154	8	5.0	+59	37.9	7.3	✓
110	+60°	1124	8	5.8	+60	0.1	6.0	✓
111	+60°	1117	8	3.2	+60	27.2	8.3	✓
112	+60°	1119	8	3.6	+60	49.8	6.8	✓
113	+60°	1123	8	5.7	+60	53.1	8.9	✓
114	+60°	1126	8	6.7	+60	56.2	8.4	✓
115	+61°	1043	8	10.6	+61	4.9	6.7	✓
116	+59°	1161	8	9.8	+59	32.8	8.0	✓
117	+60°	1130	8	13.1	+60	2.6	9.0	✓
118	+60°	1132	8	14.0	+60	9.5	8.3	✓
119	+59°	1165	8	15.5	+59	51.4	8.2	✓
120	+59°	1170	8	17.2	+59	53.3	8.5	✓
121	+60°	1136	8	19.2	+60	23.5	7.8	✓
122	+61°	1054	8	18.2	+61	11.1	3.3	✓
123	+60°	1148	8	27.3	+60	25.7	6.8	✓
124	+61°	1065	8	28.8	+61	7.3	7.7	✓
125	+62°	926	7	15.3	+62	9.8	8.0	✓
126	+62°	934	7	19.0	+62	3.0	7.0	✓
127	+62°	933	7	18.4	+62	47.8	7.0	✓
128	+63°	718	7	21.4	+63	28.5	8.0	✓
129	+64°	633	7	15.1	+64	8.5	7.7	✓
130	+63°	719	7	23.7	+63	39.0	7.7	✓
131	+61°	983	7	25.1	+61	50.7	7.2	✓
132	+61°	987	7	28.9	+61	24.7	8.6	✓
133	+61°	991	7	30.0	+61	29.1	8.0	✓
134	+61°	994	7	32.0	+61	31.6	9.0	✓
135	+61°	995	7	33.1	+61	13.7	9.0	✓

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No.	Int.	Class	Remark
136	6	F5	
137	7	A2	
138	2	F8	
139	3	K0	
140	5	K5	
141	1	F	
142	1	F5	
143	9	A2	Line 4077 + 4128, 31 strong.
144	3	K0	
145	6	F2	
146	3	F0	
147	2	A0	
148	1	F	
149	2	F	
150	1	G	
151	2	F5	
152	2	F8	
153	3	K0	
154	3	K0	
155	3	K0	
156	3	B9	
157	2	A	
158	2	G	
159	9	K0	
160	5	B9	
161	1	G5	
162	1	F	

136	+60°	1082	7	35.4	+60	38.6	7.0	✓
137	+60°	1084	7	37.6	+60	40.5	6.7	✓
138	+60°	1085	7	39.0	+60	17.4	8.7	✓
139	+62°	959	7	41.6	+62	31.3	8.2	✓
140	+62°	960	7	42.7	+62	24.1	7.5	✓
141	+62°	964	7	44.5	+62	22.1	9.1	✓
142	+61°	1013	7	44.6	+61	41.8	8.9	✓
143	+60°	1105	7	49.3	+60	42.3	6.1	✓
144	+60°	1106	7	50.1	+60	48.7	8.3	✓
145	+61°	1021	7	49.7	+61	22.7	6.5	✓
146	+62°	970	7	50.4	+62	1.5	8.1	✓
147	+62°	969	7	58.3	+62	24.6	9.0	✓
148	+62°	974	7	51.5	+62	13.1	9.0	✓
149	+61°	1028	7	55.2	+61	5.6	8.7	✓
150	+60°	1110	7	56.2	+60	16.4	9.2	✓
151	+60°	1112	7	56.8	+60	16.4	8.6	✓
152	+60°	1113	7	58.1	+60	21.3	8.7	✓
153	+60°	1114	7	59.4	+60	44.9	8.0	✓
154	+61°	1033	8	2.6	+61	31.9	8.5	✓
155	+61°	1038	8	5.9	+61	54.0	8.0	✓
156	+62°	983	8	2.2	+62	27.6	8.3	✓
157	+63°	769	8	3.1	+63	7.4	9.0	✓
158	+62°	986	8	4.2	+62	39.9	9.2	✓
159	+62°	991	8	6.6	+62	56.6	6.0	✓
160	+62°	996	8	11.6	+62	45.4	7.8	✓
161	+62°	992	8	8.3	+62	8.3	8.6	✓
162	+61°	1041	8	9.6	+61	54.0	9.0	✓

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No.	Int.	Class	Remark
163	1	A	
time 22.36 164	3	f	Partly superposed on 163
1642	2	A0	
n 22.51 165	2	fg5	
166	3	A5	
167	3	F	
168	2	fg	Difficult
169	1	K	
170	3	fg5	
171	2	A5	
172	2	fg5	E.
173	2	K	
174	4	K0	
175	9	A5	
176	2	K	
177	7	A2	
178	3	F5	
179	3	F2	
180	4	K0	
181	1	K	
182	2	F	
183	3	fg	
184	3	F5	Partly superposed on 183.
185	5	F8	
186	2	K	E.
187	7	A5	E.
188	4	F	E.
189	9	F8	

163	+61°	1044	8	10.7	+61	39.7	9.0	✓
164	+61°	1045	8	10.9	+61	55.0	8.5	✓
1642	+60°	1131	8	13.6	+60	34.9	9.9	
165	+62°	998	8	14.2	+62	39.8	8.6	✓
166	+63°	777	8	13.9	+63	9.2	8.6	✓
167	+63°	778	8	15.1	+63	3.3	8.9	✓
168	+62°	999	8	15.4	+62	51.0	8.8	✓
169	+61°	1048	8	15.2	+61	35.9	9.0	✓
170	+61°	1051	8	16.3	+61	37.9	8.4	✓
171	+61°	1052	8	16.5	+61	25.0	8.5	✓
172	+63°	725	7	27.3	+63	51.1	9.0	✓
173	+62°	949	7	29.8	+62	38.4	8.7	✓
174	+62°	950	7	30.3	+62	50.8	8.2	✓
175	+63°	733	7	33.3	+63	10.5	7.0	✓
176	+63°	732	7	32.7	+63	42.8	8.5	✓
177	+64°	649	7	33.5	+64	23.4	7.1	✓
178	+65°	591	7	32.0	+65	2.5	8.0	✓
179	+64°	651	7	35.4	+64	42.6	7.8	✓
180	+64°	654	7	37.9	+64	26.9	8.0	✓
181	+64°	655	7	38.3	+64	17.6	8.5	✓
182	+63°	737	7	38.2	+63	11.0	9.0	✓
183	+63°	740	7	39.8	+63	15.8	7.8	✓
184	+63°	739	7	39.6	+63	26.2	8.4	✓
185	+63°	743	7	42.2	+63	42.9	8.5	✓
186	+65°	599	7	39.3	+65	15.5	7.5	✓
187	+65°	606	7	46.9	+65	9.2	7.1	✓
188	+65°	607	7	49.6	+65	31.8	7.0	✓
189	+63°	749	7	49.6	+63	28.4	6.0	✓

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No.	Int.	Class	Remark
190	2	F8	~~Double track of 189~~
191	3	F	
192	3	Ly0	
193	5	F5	
194	5	Ly0	
195	5	Ly	E.

Time 22.58

..

196	2	Ar	
197	2	K2	

190	+63°	750	7	49.6	+63	29.5	8.3	J
191	+63°	758	7	58.0	+63	32.9	8.4	J
192	+63°	768	8	4.8	+63	30.9	8.0	J
193	+64°	674	8	3.4	+64	9.3	8.1	J
194	+63°	770	8	5.9	+63	40.3	7.7	J
195	+65°	632	8	12.2	+65	10.8	7.7	K

Identified by A.M.C. May 8, 1912

Checked by J.C.M. June 12, 1912.

~	196	+59	1177	8	22.6	+59	18	8.9	72 on I 37705
~	197	+60	1186	8	26.5	+60	57	8.3	125 " "

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April 8, 1912

Time: 23.00

I 37630

No.	Int.	Class	Remark
1	5	A	E.
2	7	F	E.
3	3	Ma	
4	3	A	
5	3	Ao	
6	2	A	Partly superposed on 5.
7	3	A2	
8	4	K	E.
9	4	Ko	
10	7	F5	
11	9	Ao	
12	2	G	
13	2	G	
14	4	G5	
15	9	Ao	
16	10	A2	
17	4	A2	
18	5	A3	
19	7	F0	
20	2	Ao	
21	1	A	
22	1	K	
23	5	Ko	
24	5	K2	
25	2	G5	
26	2	K0	
27	7	K0	

1	+71°	197	3	10.7	+71	9.6	7.6	J
2	+71°	198	3	11.7	+71	40.8	7.2	J
3	+71°	201	3	15.4	+71	21.1	6.5	J
4	+71°	204	3	16.5	+71	20.9	8.4	J
5	+71°	203	3	16.5	+71	30.3	8.5	J
6	+71°	205	3	16.6	+71	40.5	8.6	J
7	+72°	173	3	13.8	+72	3.5	8.0	J
8	+72°	172	3	10.4	+72	40.5	7.1	J
9	+73°	189	3	5.5	+73	9.5	7.4	J
10	+73°	180	3	8.1	+73	31.2	6.9	J
11	+72°	178	3	19.4	+72	50.5	6.7	J
12	+72°	184	3	27.1	+72	56.2	8.2	J
13	+72°	187	3	30.1	+72	33.5	8.0	J
14	+71°	216	3	31.0	+71	8.8	7.0	J
15	+70°	267	3	34.2	+70	25.3	5.7	J
16	+70°	259	3	35.1	+70	52.1	4.3	J
17	+70°	262	3	36.8	+70	3.5	7.4	J
18	+69°	222	3	28.2	+69	22.6	7.2	J
19	+71°	222	3	41.0	+71	22.0	6.5	J
20	+72°	192	3	36.6	+72	45.3	8.0	J
21	+72°	194	3	38.3	+72	20.3	9.0	J
22	+72°	196	3	39.6	+72	10.9	8.0	J
23	+72°	199	3	42.0	+72	17.4	7.0	J
24	+73°	204	3	39.8	+73	38.4	6.5	J
25	+72°	202	3	44.7	+72	53.8	8.3	J
26	+72°	204	3	47.0	+72	24.2	8.0	J
27	+73°	210	3	50.1	+73	34.4	6.4	J

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No.	Int.	Class	Remark
28	7	F5	
29	3	A2	
30	8	F0	
31	5	B9	
32	3	A0	
33	3	A0	
34	2	K2	
35	1	K	
36	2	A3	
36a	8	A5	
37	6	B8	
38	2	F0	
39	1	A	
40	2	F0	
41	3	K0	
42	4	A	
43	5	A2	
44	2	A2	
45	6	A2	
46	3	F0	
46a	2	K2	
47	2	A2	
48	4	F5	
49	6	K2	
50	9	A0	
51	4	K0	
52	1	K	
53	2	A	
54	10	A	

28	+73°	212	3	52.6	+73	10.2	6.5 ✓
29	+72°	208	3	58.8	+72	39.3	8.5 ✓
30	+71°	239	3	57.7	+71	44.0	6.3 ✓
31	+70°	276	3	53.4	+70	56.6	7.5 ✓
32	+70°	281	3	59.0	+70	50.1	7.0 ✓
33	+72°	213	4	1.0	+72	3.4	8.5 ✓
34	+72°	217	4	2.1	+72	2.3	7.5 ✓
35	+72°	220	4	7.4	+72	42.9	7.9 ✓
36	+73°	223	4	14.3	+72	23.7	9.0 ✓
36a	+72°	227	4	16.8	+72	12.6	6.0 ✓
37	+71°	250	4	10.9	+71	25.1	7.5 ✓
38	+71°	254	4	12.8	+71	19.6	8.0 ✓
39	+70°	293	4	6.9	+70	40.8	8.5 ✓
40	+70°	294	4	7.2	+70	29.1	7.8 ✓
41	+70°	302	4	16.2	+70	15.8	7.8 ✓
42	+70°	305	4	19.0	+70	2.0	7.8 ✓
43	+71°	263	4	21.3	+71	35.1	8.2 ✓
44	+71°	264	4	21.4	+71	10.1	8.7 ✓
45	+71°	265	4	21.9	+71	10.1	8.0 ✓
46	+72°	233	4	25.6	+72	41.2	8.0 ✓
46a	+72°	232	4	25.4	+72	41.0	8.0 ✓
47	+72°	236	4	30.2	+72	51.7	8.5 ✓
48	+72°	242	4	36.7	+72	48.0	8.0 ✓
49	+74°	229	4	44.0	+74	21	6.1 ✓
50	+73°	265	4	46.4	+73	49.4	6.3 ✓
51	+73°	264	4	46.2	+73	32.7	6.3 ✓
52	+73°	269	4	48.2	+73	52.4	8.5 ✓
53	+73°	271	4	50.1	+73	21.9	8.0 ✓
54	+73°	274	4	54.2	+73	45.0	5.5 ✓

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No.	Int.	Class	Remark
55	3	F	
56	2	F	
57	2	Ig^5	Superposed 56
58	3	A	
59	4	A	
60	8	B8	
61	5	B9	
62	2	A2	
63	3	A3	
64	2	A	
65	3	Ig	
66	2	A	Partly superposed on 67
67	4	K0	
68	5	Ig^5	
69	7	Ig^5	
70	2	Ig	
71	2	K	
72	2	Ig^5	
73	3	A3	
74	6	F8	
75	6	K0	
76	2	A3	
77	1	K	
78	2	K2	
79	6	A0	
80	1	A5	
81	2	A8	

55	+72°	25.2	4	50.7	+72	43.3	8.4	√
56	+72°	24.7	4	45.4	+72	13.8	8.9	√
57	+72°	24.8	4	45.5	+72	11.4	8.4	√
58	+71°	28.8	4	46.4	+71	56.6	8.2	√
59	+71°	28.2	4	42.8	+71	22.9	8.0	√
60	+70°	32.2	4	34.4	+70	40.4	6.3	√
61	+74°	14.4	3	8.6	+74	40.6	7.4	√
62	+75°	13.1	3	4.5	+75	29.2	8.4	√
63	+74°	15.1	3	13.4	+74	44.3	7.9	√
64	+74°	15.4	3	16.2	+74	1.8	8.9	√
65	+74°	15.8	3	20.3	+74	8.0	8.2	√
66	+73°	~~200~~ 190	3	22.6	+73	58.3	8.8	√
67	+74°	16.2	3	24.9	+74	~~47.4~~ 16.2	7.9	√
68	+74°	16.8	3	28.4	+74	4.2	6.8	√
69	+75°	14.3	3	22.1	+75	14.4	6.5	√
70	+75°	14.4	3	27.1	+75	14.6	8.6	√
71	+75°	14.7	3	31.4	+75	18.7	8.2	√
72	+74°	17.4	3	36.8	+74	13.5	7.2	√
73	+74°	18.1	3	46.6	+74	50.8	8.9	√
74	+74°	18.4	3	49.5	+74	46.8	7.8	√
75	+74°	18.6	3	49.9	+74	13.9	6.4	√
76	+74°	18.8	3	53.4	+74	15.7	8.4	√
77	+73°	21.5	3	54.7	+73	58.5	8.3	√
78	+74°	19.4	4	1.1	+74	15.7	8.2	√
79	+74°	19.5	4	1.7	+74	15.3	8.0	√
80	+73°	21.9	4	3.2	+73	33.9	8.9	√
81	+73°	22.0	4	4.9	+73	13.2	8.8	√

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No.	Int.	Class	Remark
82	2	Ly5	
83	1	Y	
84	2	Y0	
85	2	Ly0	
86	2	Y0	
87	2	Y0	
88	10	A3	
89	2	Y5	
90	2	A	
91	6	A5	E.
92	3	Y8	
93	3	Y0	
94	4	A0	
95	7	B8	
96	3	B8	
97	2	Ly	Focus poor
98	1	Y	
99	2	Ly5	
100	1	Ly	
101	5	Y0	
102	3	Ly5	Check I37561 shows +75° 165 also fairly Ly
103	1	Ly	
104	6	B5	
105	1	Y2	
106	1	Y	
107	2	Ly	
108	1	Y0	
109	2	Y0	

June 23.16

82	+73°	224	4	7.3	+73	58.0	8.6	✓
83	+73°	231	4	12.9	+73	37.4	8.0	✓
84	+73°	232	4	13.7	+73	16.8	8.4	✓
85	+72°	224	4	15.0	+72	55.4	8.4	✓
86	+73	237	4	20.1	+73	49.6	8.5	✓
87	+74°	210	4	21.1	+74	10.1	7.8	✓
88	+77°	115	3	8.2	+77	10.9	6.2	✓
89	+76°	120	3	8.5	+76	30.7	8.2	✓
90	+76°	125	3	14.7	+76	6.3	8.6	✓
91	+78°	109	2	58.3	+78	19.0	7.0	✓
92	+77°	119	3	8.9	+77	57.9	7.5	✓
93	+77°	123	3	12.8	+77	30.1	7.1	✓
94	+76°	128	3	24.0	+76	41.2	7.5	✓
95	+77°	133	3	29.0	+77	29.1	7.2	✓
96	+77°	134	3	30.7	+77	50.8	8.0	✓
97	+76°	142	3	38.1	+76	58.5	8.2	✓
98	+76°	137	3	34.0	+76	9.8	8.2	✓
99	+75°	154	3	42.7	+75	46.1	8.2	✓
100	+75°	156	3	45.9	+75	42.7	8.0	✓
101	+75°	160	3	47.4	+75	59.6	7.5	✓
102	+75°	166	3	56.4	+75	55.0	8.5	✓
103	+75°	167	3	56.7	+75	25.6	8.5	✓
104	+75°	173	4	2.4	+75	44.7	6.8	✓
105	+74°	196	4	2.1	+74	50.9	8.5	✓
106	+75°	175	4	6.1	+75	6.6	8.5	✓
107	+74°	182	4	13.9	+75	42.8	8.0	✓
108	+74°	207	4	17.0	+74	37.1	9.0	✓
109	+75	166	3	19.5	+75	13	8.4	✓

Checked by J.C.M. June 12, 1912 Identified by Cannon May 13, 1912

I20 on I37555

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April 9, 1912

Time: 22h. 14m. B 14371 short diffs.

No.	Int.	Class	Remark
1	6	F2	
2	1	F5	
3	5	K2	
4	3	K0	
5	3	F2	Ilm s. f. of Two
6	10	F5	Burned out.
7	2	A0	
8	1	K	
9	2	F8	
10	6	F5	
11	8	F K5	
12	3	G5	
13	5	K0	
14	2	G0	
15	5	F0	
16	1	G5	
17	3	G5	
18	8	K0	
19	8	K0	
20	1	K	
21	9	G5	
22	2	K0	
23	9	K0	
24	3	A0	
25	5	F0	
26	2	G0	
27	4	G0	

1	-38°	15698	23	52.3	-38	55.7	7.5	↑
2	-39°	15213	23	52.1	-39	28.2	9.4	↑
3	-39°	15210	23	51.5	-39	39.2	7.2	↑
4	-39°	15200	23	48.7	-39	44.8	7.7	↑
5	-40°	15290	23	48.9	-40	27.9	8.5	↑
6	-40°	15285	23	48.1	-40	59.9	6.1	↑
7	-40°	15295	23	51.1	-40	22.4	9.4	↑
8	-40°	15296	23	51.3	-40	37.9	8.9	↑
9	-40°	15303	23	53.1	-40	45.2	9.1	↑
10	-40°	15306	23	53.8	-40	53.2	8.1	↑
11	-40°	15311	23	55.3	-40	50.9	6.7	↑
12	-41°	15372	23	53.6	-41	16.9	8.5	↑
13	-41°	15378	23	54.1	-41	23.4	7.2	↑
14	-40°	15301	23	52.8	-40	11.4	9.4	↑
15	-40°	15310	23	55.2	-40	1.4	8.5	↑
16	-39°	15238	23	56.1	-39	54.6	9.1	↑
17	-40°	15315	23	56.5	-40	13.0	8.6	↑
18	-38°	15713	23	55.6	-38	36.0	6.9	↑
19	-37°	15469	23	55.5	-37	55.6	6.9	↑
20	-39°	15246	23	57.6	-39	17.2	8.9	↑
21	-39°	15250	23	58.9	-39	33.2	6.7	↑
22	-39°	15253	23	59.6	-39	50.8	8.7	↑
23	-39°	4	0	0.5	-39	34.3	6.7	↑
24	-39°	10	0	1.3	-39	23.0	9.0	↑
25	-38°	7	0	0.8	-38	36.9	8.3	↑
26	-38°	17	0	2.8	-38	59.3	8.3	↑
27	-39°	27	0	4.4	-39	28.3	8.5	↑

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B 14371 short disp.

Nos.	Int.	Class	Remark
28	1	Ke	
29	2	Fo	
29a	1	Md	H5 bright = 5. H+K = 1.
30	6	Gf0	
31	4	Fo	
32	4	Gf5	
33	2	Ko	
34	6	Gf5	
35	5	Gf0	
36	3	Gf0	
37	4	Gf5	
38	1	Ke	
39	3	Gf5	
40	5	Ke0	
41	7	Ko	
42	8	Gf5	
43	2	Gf	
44	1	Gf	
45	2	Fo	
46	4	Fo	
47	3	Fe0	
48	7	Gf0	
49	4	Fo	
50	9	Fo	
51	5	A3	
52	5	Ke	
53	6	A	E.
54	3	Gf0	

28	-38°	40	0	6.9	-38	30.9	6.9	✓
29	-40°	11	0	1.7	-40	18.7	9.2	✓
29a	-39°	16	0	2.3	-39	55.5	9.4	✓
30	-40°	15	0	2.6	-40	26.0	7.6	✓
31	-41°	6	0	0.6	-41	6.3	8.5	✓
32	-41°	8	0	1.0	-41	10.3	8.0	✓
33	-41°	21	0	3.2	-41	20.6	8.4	✓
34	-41°	28	0	5.0	-41	4.2	7.7	✓
35	-41°	23	0	3.5	-41	36.0	8.0	✓
36	-41°	20	0	3.0	-41	44.6	8.5	✓
37	-41°	26	0	4.3	-41	48.9	8.4	✓
38	-41°	45	0	6.7	-41	4.8	9.0	✓
39	-41°	47	0	7.2	-41	2.8	9.0	✓
40	-41°	52	0	8.1	-41	7.2	8.0	✓
41	-41°	55	0	9.2	-41	8.8	7.5	✓
42	-40°	40	0	9.0	-40	47.2	7.5	✓
43	-40°	37	0	8.3	-40	28.8	9.0	✓
44	-40°	29	0	6.1	-40	18.6	8.8	✓
45	-39°	51	0	10.3	-39	31.7	9.3	✓
46	-40°	54	0	12.5	-40	22.2	8.6	✓
47	-40°	53	0	12.4	-40	48.8	8.8	✓
48	-40°	56	0	13.1	-40	48.8	8.0	✓
49	-40°	52	0	12.3	-40	59.2	9.1	✓
50	-39°	72	0	14.7	-39	56.0	6.7	✓
51	-39°	80	0	15.9	-39	4.6	8.1	✓
52	-38°	93	0	16.6	-38	5.5	6.9	✓
53	-38°	105	0	17.9	-38	5.9	7.8	✓
54	-39°	79	0	15.8	-39	23.6	9.2	✓

D 4.4 − 41 47.3 9.4 superposed

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April 9, 1912.

B 14371 starts diffe.

No.	Int.	Class	Remark
55	9	Fo	
56	7	Ly5	
57	1	Ly	
58	2	F8	
59	3	F8	
60	1	F	
61	8	Ly5	
62	2	F5	
63	2	Ly	
64	5	G2	
65	10	K0	
66	3	G0	
67	6	K0	
68	1	K	
69	10	F	
70	8	K0	
71	4	Ly	E.
72	5	F5	E.
73	3	K2	E.
74	10	G	E.
75	4	Ly	E.
76	3	K0	
77	8	K0	
78	3	Ly5	
79	2	Ly	
80	2	Ly5	
81	4	K0	

55	-39°	83	0	16.6	-39	57.3	6.6	^√
56	-39°	92	0	19.2	-39	57.0	6.8	^√
57	-40°	73	0	18.0	-40	22.2	9.0	^√
58	-40°	68	0	16.6	-40	59.0	9.0	^√
59	-41°	81	0	16.6	-41	5.0	8.5	^√
60	-41°	84	0	17.3	-41	6.0	9.4	^√
61	-40°	81	0	20.1	-40	20.2	7.0	^√
62	-40°	84	0	20.7	-40	14.6	8.7	^√
63	-40°	82	0	20.3	-40	23.5	8.5	^√
64	-40°	85	0	20.7	-40	34.3	8.6	^√
65	-40°	93	0	22.3	-40	35.8	5.9	^√
66	-41°	102	0	20.9	-41	11.0	9.4	^√
67	-41°	112	0	23.2	-41	20.9	7.2	^√
68	-41°	114	0	23.8	-41	9.0	9.0	^√
69	-41°	116	0	24.4	-41	37.8	6.5	^√
70	-40°	103	0	24.3	-40	12.6	6.8	^√
71	-40°	116	0	26.6	-40	1.1	8.3	^√
72	-39°	131	0	27.8	-39	56.4	8.2	^√
73	-40°	118	0	27.X	-40	27.4	7.7	^√
74	-40°	123	0	27.7	-40	36.3	7.9	^√
75	-41°	131	0	27.3	-41	24.8	8.5	^√
76	-41°	15336	23	44.8	-41	10.9	8.5	^√
77	-41°	15339	23	45.2	-41	31.2	6.8	^√
78	-41°	15346	23	46.8	-41	16.9	8.5	^√
79	-41°	15347	23	47.1	-41	25.1	9.0	^√
80	-42°	16490	23	44.0	-42	8.4	9.0	^√
81	-42°	16493	23	44.5	-42	17.6	7.5	^√

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B 1437 | stat disps.

No.	Int.	Class	Remark
82	5	ly5	
83	5	ly0	
84	3	ly0	
85	3	K5	
86	5	F8	
87	4	K0	
88	8	F5	
89	3	F5	
90	5	F2	
91	6	B9	
92	10	A2	
93	4	K0	
94	2	F5	
95	7	F5	
96	6	K5	
97	7	F2	
98	2	ly0	
99	1	ly	
100	1	ly	
101	3	K0	
102	3	F0	
103	2	ly0	
104	2	ly	
105	2	F5	
106	3	F5	
107	8	ly0	
108	6	ly0	

82	-42°	16496	23	44.9	-42	28.0	7.8	↑	√
83	-42°	16515	23	48.4	-42	41.4	8.4	↑	√
84	-42°	16518	23	48.6	-42	5.6	8.5	↑	√
85	-41°	15351	23	49.0	-41	57.0	8.2	↑	√
86	-42°	16529	23	50.6	-42	7.9	8.7	↑	√
87	-42°	16533	23	51.0	-42	2.0	8.5	↑	√
88	-42°	16527	23	50.2	-42	53.3	8.0	↑	√
89	-42°	16532	23	50.8	-42	47.4	9.1	↑	√
90	~~-42°~~ 3	15557 / ~~16563~~	23	~~54.8~~ 50.9	~~-42~~ 3	~~41.0~~ 8.4	~~7.4~~ 8.6	↑	√
91	-42°	16546	23	52.9	-42	45.1	8.7	↑	√
92	-42°	16545	23	52.7	-42	56.1	6.6	↑	√
93	-42°	16548	23	53.1	-42	58.9	8.0	↑	√
94	-42°	16553	23	53.8	-42	37.3	9.3	↑	√
95	-42°	16560	23	54.7	-42	35.0	7.8	↑	√
96	-42°	16563	23	54.8	-42	11.0	7.4	↑	√
97	-42°	16567	23	55.5	-42	18.5	7.8	↑	√
98	~~-43°~~ 41°	15375	23	53.9	~~-42~~ 41	59.4	8.5	↑	√
99	-41°	15380	23	55.2	-42	53.7	9.0	↑	√
100	-41°	15386	23	56.4	-42	30.1	9.0	↑	√
101	-41°	15387	23	56.4	-41	40.7	8.5	↑	√
102	-41°	15390	23	57.2	-41	47.0	8.7	↑	√
103	-41°	15392	23	58.4	-41	35.8	8.9	↑	√
104	-41°	4	0	0.5	-41	37.1	8.7	↑	√
105	-41°	5	0	0.5	-41	42.1	9.3	↑	√
106	-42°	16584	~~28~~ 3	58.3	-42	44.2	9.2	↑	√
107	-42°	16587	23	59.5	-42	26.6	7.7	↑	√
108	-42°	3	0	0.9	-42	35.2	8.5	↑	√

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B14371 short disp.

No.	Int.	Class	Remark
109	3	fg5	
110	6	Ma	
111	3	F5	
112	3	K0	
113	3	F5	
114	3	fg5	
115	10	fg5	
116	4	F5	
117	6	fg5	
118	8	F5	
119	2	F	
120	2	K	
121	3	K0	
122	5	K0	
123	3	F5	
124	4	F8	
125	7	fg5	
126	5	K0	
127	10	K0	
128	6	K0	
129	3	K0	
130	2	fg	
131	5	F	
132	3	fg	Superposed on 131.
133	2	F5	
134	3	F5	
135	2	fg	

109	-43°	15579	23	58.7	-43	15.7	8.6	N
110	-43°	15584	23	59.1	-43	35.0	7.5	N
111	-43°	3	0	1.0	-43	15.3	8.9	N
112	-42°	1	0	0.8	-42	47.0	8.8	N
113	-42°	19	0	3.0	-42	35.0	9.3	N
114	-42°	26	0	4.6	-42	57.0	8.8	N
115	-42°	32	0	5.6	-42	52.0	6.6	N
116	-44°	24	0	4.1	-44	13.1	9.2	N
117	-43°	30	0	6.4	-43	51.5	7.2	N
118	-43°	32	0	6.9	-43	45.6	7.2	N
119	-44°	33	0	6.7	-44	7.8	9.3	N
120	-43°	41	0	8.0	-43	56.0	8.7	N
121	-44°	42	0	8.4	-44	31.6	8.5	N
122	-44°	47	0	10.2	-44	28.6	7.5	N
123	-44°	50	0	10.6	-44	14.0	9.1	N
124	-44°	49	0	10.3	-44	33.2	8.9	N
125	-44°	52	0	11.0	-44	32.8	7.5	N
126	-43°	57	0	11.9	-44	39.8	8.5	N
127	-43°	64	0	12.5	-43	56.1	6.6	N
128	-43°	55	0	10.1	-43	41.5	8.1	N
129	-43°	50	0	9.8	-43	21.9	8.5	N
130	-43°	45	0	9.0	-43	11.5	9.6	N
131	-42°	54	0	9.0	-42	51.6	8.2	N
132	-42°	52	0	8.9	-42	47.6	8.7	N
133	-42°	39	0	7.4	-42	54.0	9.3	N
134	-42°	61	0	10.5	-42	26.6	9.3	N
135	-43°	59	0	11.3	-43	19.2	9.6	N

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B 14371 about disp.

No.	Int.	Class	Remark
136	2	F	
137	3	g_5	
138	6	F_2	
139	5	F_5	
140	3	g_5	
141	2	g	
142	6	g_5	
143	4	F_8	
144	2	g	
145	1	g	
146	2	g_0	
147	1	g	
148	2	F_8	
149	5	F_0	
150	1	g_5	
151	3	g_5	
152	4	g_0	
153	1	g_5	
154	3	g_5	
155	4	F_5	
156	10+	K	
157	2	K_0	
158	2	g_0	
159	10+	G	
160	3	F_0	
161	3	F_2	
162	4	F_8	

136	-43°	61	0	11.3	-43	5.5	9.5	∧	✓
137	-43°	71	0	13.4	-43	46.8	9.2	∧	✓
138	-44°	81	0	16.0	-44	34.3	9.0	∧	✓
139	-43°	93	0	17.9	-43	53.6	8.9	∧	✓
140	-43°	98	0	18.7	-43	11.9	9.1	∧	✓
141	-42°	108	0	18.9	-42	50.5	9.6	∧	✓
142	-42°	107	0	18.8	-42	34.9	7.4	∧	✓
143	-42°	91	0	16.1	-42	37.6	8.3	∧	✓
144	-42°	90 ~~86~~	0	16.1 ~~15.8~~	-42	22.0 ~~23.6~~	9.0 ~~8.9~~	∧	✓
145	-42°	85	0	15.4	-42	3.5	8.6		✓
146	-42°	104	0	18.2	-42	1.5	9.3	∧	✓
147	-41°	87	0	18.0	-41	40.9	9.0	∧	✓
148	-41°	96	0	19.9	-41	24.8	9.4	∧	✓
149	-42°	129	0	21.5	-42	4.6	7.8	∧	✓
150	-41°	108	0	22.0	-41	51.8	9.0	∧	✓
151	-41°	110	0	22.5	-41	50.8	8.9	∧	✓
152	-42°	148	0	24.7	-42	4.8	8.8	∧	✓
153	-42°	150	0	24.8	-42	30.4	9.0	∧	✓
154	-42°	153	0	25.1	-42	34.2	9.1	∧	✓
155	-42°	161	0	25.8	-42	59.0	9.3	∧	✓
156	-42°	116	0	20.1	-42	59.1	2.4	∧	✓
157	-42°	132	0	21.8	-42	39.5	8.3	∧	✓
158	-42°	117	0	20.1	-42	42.0	8.8	∧	✓
159	-44°	101	0	20.1	-44	22.5	3.9	∧	✓
160	-44°	98	0	19.5	-44	32.5	8.9	∧	✓
161	-44°	93	0	18.1	-44	49.9	9.3	∧	✓
162	-45°	95	0	16.1	-45	20.6	8.7	∧	✓

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B14371 slant disp.

Nr.	Int.	Class	Remarks
163	4	ly	E.
164	2	7	E.
165	9	7	E.
166	8	75	E.
167	8	K0	E.
168	2	K	E.
169	4	K	E.
170	5	75	
171	2	K5	
172	2	ly0	
173	6	ly0	
174	3	ly5	
175	10	ly0	
Time: 23.45 176	4	75	
" 23.26 177	2	ly5	
177a	3	ly5	
178	3	K0	
179	2	ly0	
180	1	ly	Partly superposed on 181
181	7	75	
182	4	K0	
183	5	72	
184	1	K	
185	2	ly0	
186	1	ly	
187	8	ly5	
188	2	ly5	
189	3	a	

163	−42°	16478 (16464)	23	48.2 (48.6)	−42	38.5 (39.0)	8.7	∧	✓
164	−42°	16491	23	44.1	−42	45.1	9.1	∧	✓
165	−42°	16486	23	43.4	−42	59.6	7.7	∧	✓
166	−43°	15521	23	44.8	−43	3.8	7.2	∧	✓
167	−43°	15525	23	45.2	−43	21.8	7.0	∧	✓
168	−43°	15524	23	45.2	−43	48.6	9.2	∧	✓
169	−44°	15376	23	44.8	−44	16.6	8.6	∧	✓
170	−43°	15546	23	49.5	−43	32.6	8.2	∧	✓
171	−43°	15554	23	51.0	−43	43.5	8.5	∧	✓
172	−43°	15549	23	50.0	−43	59.1	9.3	∧	✓
173	−44°	15403	23	50.4	−44	1.8	8.3	∧	✓
174	−44°	15410	23	51.9	−44	37.6	8.8	∧	✓
175	−44°	15419	23	53.9	−44	58.9	6.5	∧	✓
176	−44°	15420	23	53.9	−44	58.9	6.5	∧	✓
177	−44°	15448	23	53.8	−44	48.2	9.2	∧	✓
177a	−43°	15562	23	54.6	−43	16.1	9.2	∧	✓
178	−44°	15432	23	56.2	−44	38.6	8.3	∧	✓
179	−43°	15576	23	57.5	−43	52.9	9.1	∧	✓
180	−44°	15438	23	57.7	−44	45.0	9.2	∧	✓
181	−44°	15439	23	57.9	−44	41.2	8.2	∧	✓
182	−44°	15446	23	58.8	−44	32.8	8.6	∧	✓
183	−44°	15454	23	59.7	−44	23.1	9.0	∧	✓
184	−44°	15455	23	59.7	−44	7.2	9.0	∧	✓
185	−44°	10	0	1.6	−44	8.8	9.3	∧	✓
186	−43°	11	0	2.0	−43	38.5	9.3	∧	✓
187	−44°	5	0	0.6	−44	40.8	7.6	∧	✓
188	−45°	6	0	1.1	−45	20.3	9.1	∧	✓
189	−44°	12	0	2.1	−44	58.3	9.2	∧	✓

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B14371 shot disp.

No.	Int.	Class	Remark
190	2	.. ly .	
191	8	ly5	
192	6	ly0	
193	3	Ko	
194	7	Ko	
195	4	Kb2	
196	7	Fo	8.
197	2	Ko	
198	6	F2	
199	4	ly5	
200	3	K	
201	6	A3	
202	3	Ko	
Time 23.30 203	4	ly5	

190	-44°	18	0	2.8	-44	59.7	9.5	↑	↓
191	-45°	17	0	3.6	-45	22.0	7.5	↑	↓
192	-45°	7	0	1.3	-45	48.7	8.2	↑	↓
193	-46°	10	0	1.7	-46	4.5	8.7	↑	↓
194	-46°	42	0	8.5	-46	43.7	7.2	↑	↓
195	-46°	51	0	9.4	-46	56.0	7.6	↑	↓
196	-47°	55	0	10.5	-47	16.2	7.8		↓
197	-45°	49	0	8.9	-45	20.9	8.7	↑	↓
198	-45°	66	0	11.0	-45	3.2	7.8	↑	↓
199	-45°	67	0	11.2	-45	20.9	8.2	↑	↓
200	-45°	77	0	13.0	-45	57.3	9.0	↑	↓
201	-45°	15227	23	57.5	-45	58.5	8.2	↑	↓
202	-46°	14836	23	55.2	-46	2.5	8.5	↑	↓
203	-46°	14833	23	54.3	-46	7.5	8.1	↑	↓

Identified by J. C. M. May 28, 1912.

Checked June 3 1912 E.F.W.

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Time 23.52 — I 37654

No.	Int.	Class	Remark
1	5	Ko	E.
2	3	A0	E.
3	3	K	E.
4	2	ky	E. Fourg very poor
5	2	F5	
6	4	K0	
7	3	F8	
8	5	ky0	
9	2	ky	
10	7	F5	
11	4	K0	
12	7	ky0	
13	6	A0	
14	5	K0	
15	1	A2	
16	1	A	
17	1	K	
18	2	ky5	
19	4	K0	
20	6	F0	
21	3	A3	
22	2	F	
23	7	A0	
24	2	F5	
25	2	K0	
26	7	ky5	
27	7	B8	

1	+0°	2294	8	18.3	+0	4.7	7.8	J
2	+0°	2296	8	18.6	+0	41.9	8.5	J
3	−0°	1993	8	19.5	−0	44.8	8.0	J
4	−0°	1992	8	19.2	−0	13.5	8.5	J
5	+0°	2304	8	20.3	+0	23.2	8.7	J
6	+0°	2305	8	20.8	+0	44.8	7.7	J
7	+0°	2303	8	20.2	+0	58.8	8.5	J
8	+1°	2096	8	20.0	+1	18.0	8.0	J
9	+1°	2097	8	20.7	+1	22.7	8.7	J
10	+1°	2102	8	21.1	+1	44.2	7.4	J
11	+0°	2312	8	22.4	+0	44.2	7.0	J
12	+0°	2313	8	22.6	+0	30.0	7.3	J
13	+0°	2310	8	21.7	+0	11.5	7.7	J
14	−0°	2000	8	22.1	−0	28.5	7.2	J
15	−0°	2001	8	22.4	−0	35.2	8.8	J
16	−0°	2002	8	22.5	−0	1.7	8.9	J
17	+0°	2322	8	24.2	+0	18.6	8.5	J
18	+1°	2114	8	23.9	+1	5.2	8.0	J
19	+1°	2116	8	24.1	+1	38.0	8.1	J
20	+1°	2111	8	23.6	+1	49.7	8.0	J
21	+2°	1999	8	25.2	+2	39.3	8.5	J
22	+2°	2002	8	26.1	+2	4.8	8.8	J
23	+2°	2006	8	26.4	+2	5.1	7.8	J
24	+1°	2127	8	26.7	+1	38.3	8.3	J
25	+1°	2131	8	27.2	+1	58.9	8.0	J
26	+0°	2335	8	27.7	+0	53.0	7.3	J
27	+0°	2331	8	26.0	+0	10.9	8.0	J

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No.	Int.	Class	Remark
28	2	Ao	
29	1	A	
30	2	Ko	
31	5	kp5	
32	4	kp0	
33	10	A	
34	3	A2	
35	4	Bq	
36	1	A	
37	7	Ko	
38	1	K	
39	3	kp0	
40	2	K0	
41	6	K2	
42	2	kp0	
43	3	K2	
44	3	F2	
45	3	Ko	
46	1	F	Difficult
47	10+	B	
48	12	Ko	
49	2	Ko	
50	2	kp	
51	3	Ao	
52	1	A	
53	1	K	
54	2	F	

28	−0°	2015	8	25.3	−0	26.7	8.5	✓
29	−0°	2017	8	25.5	−0	48.5	8.5	✓
30	−0°	2021	8	26.2	−0	15.5	8.2	✓
31	−0°	2024	8	27.2	−0	14.0	7.7	✓
32	−1°	2075	8	26.7	−1	5.1	8.2	✓
33	−1°	2074	8	26.7	−1	39.4	6.5	✓
34	−1°	2084	8	28.7	−1	11.6	8.5	✓
35	+0°	2340	8	28.4	+0	0.3	8.2	✓
36	+0°	2348 (5)	8	29.5 (2)	+0	53.3 (2.6)	9.0 (2)	✓
37	+1°	2142	8	30.9	+1	11.7	7.3	✓
38	+2°	2028	8	30.3	+2	9.8	8.3	✓
39	+1°	2146	8	31.9	+1	40.3	8.5	✓
40	+2°	2034	8	31.6	+2	38.1	8.3	✓
41	+2°	2039	8	32.8	+2	26.3	7.2	✓
42	+2°	2043	8	34.3	+2	3.2	8.5	✓
43	+1°	2150	8	33.8	+1	28.6	8.0	✓
44	+1°	2155	8	36.0	+1	17.0	8.5	✓
45	+3°	2032	8	33.9	+3	7.1	8.0	✓
46	+3°	2040 (38)	8	35.6 (4) 36.8	+3	28.8 46.6	9.0 8.5	✓
47	+3°	2089	8	35.6	+3	55.4	5.0	✓
48	+3°	2041	8	36.6	+3	36.0	8.5	✓
49	+2°	2057	8	37.3	+2	13.6	8.2	✓
50	+0°	2373	8	37.3	+0	51.6	8.8	✓
51	+0°	2372	8	36.9	+0	16.3	8.3	✓
52	+0°	2374	8	37.3	+0	15.2	8.5	✓
53	+0°	2376	8	37.8	+0	13.9	8.5	✓
54	+0°	2380	8	38.0	+0	19.0	8.5	✓

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No.	Int.	Class	Remark
55	6	g_5	
56	1	K	E.
57	2	g_5	E.
58	3	A_5	
59	8	F_5	
60	9	K_0	
61	10+	A	
62	5	K_0	
63	3	g_5	
64	1	g_5	
65	1	g_5	
66	4	K_0	
67	7	A_5	
68	3	A	
69	7	Bg	Due to overlap of star superposed above it.
70	4	K_2	
71	6	F_0	Maybe Comp. Band K reversed Gr Spectr. Wolf 1069
72	9	Bg	
73	4	A_0	
74	2	F_8	
75	4	A_0	
76	3	K_2	
77	4	F	E. Focus poor.
78	4	g	E.
79	5	g_5	
80	1	K	
81	3	K_0	

55	+0°	2379	8	38.0	+0	45.1	7.4	✓
56	−1°	2090	8	30.4	−1	5.1	8.3	✓
57	−1°	2092	8	30.9	−1	22.3	8.0	✓
58	−0°	2044	8	34.6	−0	38.0	8.5	✓
59	−2°	2676	8	38.0	−2	5.4	6.9	✓
60	−1°	2125	8	38.7	−1	31.0	7.0	✓
61	−1°	2130	8	39.9	−1	22.2	6.0	✓
62	−0°	2069	8	41.2	−0	30.8	7.8	✓
63	−1°	2136	8	41.1	−1	58.2	8.2	✓
64	−0°	2061	8	38.2	−0	8.6	8.2	✓
65	+0°	2383	8	38.8	+0	17.4	8.3	✓
66	+0°	2389	8	39.4	+0	11.1	8.2	✓
67	+1°	2163	8	38.9	+1	10.2	7.3	✓
68	+1°	2165	8	39.3	+1	36.9	8.5	✓
69	+0°	2392	8	40.1	+0	36.5	8.2	✓ +0° 2393 Superposed
70	+1°	2173	8	40.8	+1	5.6	8.0	✓
71	+1°	2174	8	41.2	+1	28.4	7.9	✓
72	+2°	2072	8	42.1	+2	0.7	7.5	✓
73	+1°	2183	8	43.6	+1	0.7	8.2	✓
74	−0°	2075	8	43.5	−0	7.4	8.4	✓
75	+0°	2412	8	45.5	+0	25.0	8.6	✓
76	+0°	2431	8	49.4	+0	8.5	8.3	✓
77	−0°	2096	8	50.1	−0	6.3	8.0	✓
78	−0°	2103	8	51.7	−0	3.8	8.0	✓
79	+1°	2210	8	49.8	+1	5.3	7.5	✓
80	+0°	2430	8	49.3	+0	56.5	8.0	✓
81	+1°	2204	8	48.5	+1	26.1	8.0	✓

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I 37 654

No.	Int.	Class	Remark
82	4	A	Focus poor
83	4	A0	
84	9	A2	
85	3	K	E.
86	2	K	E.
87	5	B5	E. Uncertain.
88	7	F2	
89	9	B8	
90	2	A3	
91	7	A0	
92	9	A2	
93	2	A0	
94	2	A0	
95	7	K0	
96	7	B9	
97	2	A3	
98	6	F5	
99	6	G0	
Time 0.08 100	3	G5	
" 31.40 101	2	A2	
102	4	F0	
103	7	F5	
104	6	K0	
104a	1		
105	2	F5	
106	2	K0	
107	7	G5	
108	3	A5	

82	+2°	2100	8	48.7	+2	13.9	8.7 ✓
83	+1°	2211	8	50.0	+1	56.6	8.5 ✓
84	+2°	2112	8	50.7	+2	6.0	7.5 ✓
85	+1°	2216	8	52.1	+1	58.3	7.9 ✓
86	+2°	2114	8	50.8	+2	37.5	8.5 ✓
87	+4°	2088	8	51.4	+4	13.4	8.0 ✓
88	+3°	2099	8	49.7	+3	5.0	7.3 ✓
89	+4°	2029	8	36.4	+4	57.6	7.5 ✓
90	+5°	2043	8	36.4	+5	24.3	8.8 ✓
91	+5°	2046	8	36.8	+5	48.5	8.0 ✓
92	+6°	2030	8	37.4	+6	11.8	7.0 ✓
93	+5°	2047	8	37.0	+5	6.0	8.7 ✓
94	+4°	2034	8	37.6	+4	44.4	8.7 ✓
95	+5°	2049	8	37.9	+5	11.1	7.5 ✓
96	+4°	2040	8	39.6	+4	53.1	8.0 ✓
97	+4°	2043	8	40.5	+4	52.1	9.0 ✓
98	+4°	2048	8	41.3	+4	17.3	8.0 ✓
99	+4°	2050	8	41.7	+4	1.6	8.0 ✓
100	+4°	2051	8	41.8	+4	12.7	8.3 ✓
101	+3°	2053	8	40.4	+3	41.2	9.2 ✓
102	+3°	2055	8	40.4	+3	1.4	8.0 ✓
103	+3°	2056	8	40.7	+3	7.0	7.5 ✓
104	+3°	2057	8	41.0	+3	5.4	7.3 ✓
104a	+3	2059	8	41.1	+3	8.0	4.0 ✓
105	+3°	2058	8	41.0	+3	36.1	8.9 ✓
106	+3°	2063	8	42.2	+3	16.6	8.3 ✓
107	+2°	2073	8	42.4	+2	54.1	7.5 ✓
108	+2°	2078	8	43.9	+2	46.2	8.5 ✓

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I 37654

No.	Dur.	Class	Remark
109	1	K	
110	2	Bo	
111	1	B	
112	3	K2	
113	8	Fo	
114	3	Bo	
115	2	F8	
116	2	Ko	
117	2	B5	
118	5	Ko	
119	1	K	
120	1	B	
121	2	F	
122	8	A2	
123	10	A3	
124	1	A	
125	2	Ma	
126	4	Ao	
127	2	K5	
128	3	Bo	
129	8	B5	
130	3	Fo	
131	2	B	
132	1	A?	
133	1	B5	
134	10+	F5	
135	10+	A	

109	+1°	2184	8	43.7	+1	53.1	9.0
110	+2°	2079	8	44.2	+2	3.3	8.5
111	+2°	2082	8	45.6	+2	9.3	9.0
112	+2°	2084	8	46.0	+2	27.2	8.5
113	+2°	2088	8	46.4	+2	22.3	7.8
114	+3°	2087	8	46.3	+3	3.1	8.6
115	+2°	2095	8	47.0	+2	38.2	8.0
116	+2°	2096	8	47.4	+2	34.1	8.2
117	+1°	2199	8	47.2	+1	30.5	8.5
118	+3°	2093	8	47.6	+3	11.2	8.1
119	+3°	2095	8	48.4	+3	15.9	8.8
120	+2°	2101	8	48.8	+2	41.1	9.0
121	+3°	2076	8	44.4	+3	33.7	8.8
122	+5°	2073	8	44.4	+5	1.2	8.0
123	+5°	2074	8	44.8	+5	53.2	7.3
124	+5°	2076	8	45.8	+5	46.5	8.8
125	+4°	2064	8	45.8	+4	27.0	8.5
126	+4°	2066	8	46.2	+4	28.3	8.7
127	+3°	2088	8	46.8	+3	39.9	8.7
128	+4°	2074	8	47.4	+4	41.6	8.5
129	+4°	2081	8	49.0	+4	47.8	7.0
130	+4°	2079	8	48.7	+4	7.8	8.4
131	+4°	2084	8	49.9	+4	59.9	8.7
132	+6°	2032	8	38.1	+6	12.6	9.1
133	+5°	2050	8	38.5	+5	47.9	8.5
134	+6°	2036	8	39.1	+6	56.9	3.5
135	+6°	2040	8	40.8	+6	22.2	4.8

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T 37654.

No.	Dist.	Class	Remarks
136	1	K5	
137	4	A0	
138	1	M	
139	2:	K0	
140	4	A2	
141	6	K0	
142	8	B9	
143	1	K	E
144	2	F	E
145	3	G5	E
146	3	K5	
147	4	K2	
148	10+	K	Buried cnt.
149	5	A	E
150	7	K0	E
151	5	K0	E
152	3	K0	E
153	2:	F5	
154	5	K0	
155	2:	G5	
156	1	F5 IV	Uncertain
157	2	K2	
158	2:	A3	
159	2:	F0	
160	2:	A	
161	2:	G5	
162	1	M	

136	+5°	2059	8	40.6	+5	58.1	8.7
137	+6°	2042	8	41.5	+6	30.0	8.3
138	+6°	2045	8	41.7	+6	14.8	8.5
139	+7°	2029	8	40.3	+7	12.4	8.7
140	+7°	2034	8	41.0	+7	6.9	8.2
141	+7°	2036	8	42.1	+7	33.2	7.5
142	+7°	2037	8	42.2	+7	4.8	7.7
143	+7°	2043	8	44.5	+7	27.7	8.7
144	+6°	2052	8	45.3	+6	43.9	8.7
145	+6°	2056	8	46.2	+6	53.1	8.7
146	+6°	2057	8	46.9	+6	0.9	7.9
147	+6°	2061	8	47.8	+6	7.0	7.9
148	+6°	2060	8	47.7	+6	29.5	3.0
149	+7°	2049	8	48.8	+7	12.1	8.5
150	+2°	1965	8	18.1	+2	35.8	6.5
151	+2°	1967	8	18.3	+2	1.9	7.5
152	+2°	1970	8	18.8	+2	57.0	7.8
153	+2°	1978	8	20.0	+2	54.9	8.7
154	+3°	1983	8	20.4	+3	41.1	7.7
155	+3°	1988	8	21.9	+3	33.4	8.9
156	+3°	1990	8	22.2	+3	38.9	8.9
157	+3°	1992	8	22.8	+3	19.2	8.5
158	+3°	1994	8	23.1	+3	9.6	9.0
159	+2°	1991	8	23.0	+2	35.0	8.8
160	+2°	1986	8	22.6	+2	17.5	8.8
161	+3°	1997	8	24.2	+3	11.9	8.7
162	+4°	1996	8	24.6	+4	6.4	8.7

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I.37654

No.	Int.	Class	Remark
163	5	A2n	
164	8	K0	
165	1	A	
166	7	K0	
167	2	F0	
168	6	B3q	
169	2n	A	
170	10	K0	
171	1	K	
172	5	G0	
173	1	G	
174	1	G5	
175	4	A2n	
176	3	A	
177	3	G5	
178	3	K0	
179	2n	G5	
180	2n	F5	
181	3	A0	
182	2	A5	
183	3	G	E
184	5	K0	
185	6	K5	
186	10	F5	
187	4	F	E
188	2n	F	E
189	1	K	E

163	+4°	1997	8	24.9	+4	9.2n	8.0	✓
164	+5°	1997	8	26.1	+5	14.9	6.5	✓
165	+3°	2013	8	27.8	+3	47.0	8.9	✓
166	+3°	2014	8	27.9	+3	14.3	7.0	✓
167	+2°	2018	8	28.3	+2	29.5	8.5	✓
168	+2°	2019	8	28.6	+2	38.3	8.0	✓
169	+3°	2021	8	30.4	+3	54.7	9.0	✓
170	+3°	2026	8	31.2n	+3	50.5	4.9	✓
171	+4°	2011	8	32.2	+4	3.0	8.7	✓
172	+5°	2035	8	34.8	+5	6.1	8.2n	✓
173	+6°	2017	8	35.0	+6	3.8	8.8	✓
174	+5°	2040	8	35.6	+5	47.1	8.5	✓
175	+4°	1974	8	18.6	+4	57.9	8.5	✓
176	+5°	1972	8	19.8	+5	9.8	8.5	✓
177	+5°	1974	8	20.3	+5	17.8	8.0	✓
178	+4°	1981	8	21.1	+4	48.0	8.2n	✓
179	+4°	1986	8	21.9	+4	55.9	8.5	✓
180	+4°	1987	8	22.1	+4	49.8	8.4	✓
181	+4°	1991	8	22.7	+4	34.1	8.4	✓
182	+5°	1983	8	22.4	+5	42.8	8.5	✓
183	+6°	1974	8	22.9	+6	53.9	8.5	✓
184	+6°	1983	8	24.9	+6	11.8	7.5	✓
185	+5°	1999	8	26.9	+5	59.9	7.2n	✓
186	+7°	1997	8	28.1	+7	7.3	6.0	✓
187	+7°	2002	8	29.5	+7	56.3	8.5	✓
188	+7°	2003	8	29.6	+7	14.5	8.7	✓
189	+7°	2004	8	29.8	+7	14.5	8.5	✓

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April 10, 1912 (Cont.)

I 37657

No.	Dist.	Class	Remarks
190	2	A2	The south following
190a	3	g5	
191	10	A	
192	4	A0	
193	2	K	g
194	3	A3	
195	7	K0	
196	2	K0	
197	6	g5	
June 22.00 ~~190~~			
~~199~~			
~~200~~			
198	2	A0	

190	+6°	1998	8	29.6	+6	27.9	9.0
190a	+6°	1996	8	29.6	+6	30.0	8.5
191	+6°	2001	8	30.0	+6	13.4	4.5
192	+6°	2005	8	30.6	+6	53.1	8.5
193	+7°	2008	8	31.3	+7	29.2	8.3
194	+7°	2014	8	32.7	+7	39.7	8.7
195	+7°	2011	8	32.5	+7	4.1	8.0
196	+7°	2013	8	32.6	+7	13.1	8.5
197	+6°	2007	8	32.0	+6	17.0	8.0

Identified by A.M.S. May 15, 1912

Checked by J.C.M. June 13, 1912

198	+5°	2086	8	48.7	+5	80	9.0

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April 10, 1912

Time 22.13

I 37705

No.	Dist.	Class	Remarks
1	7	K0	e
2	6	K0	e
3	8	G5 K2	e
4	1	K	
5	6	F0	
6	4	K	e
7	3	K	e
8	6	A0	
9	1	G5	
10	2	G5	
11	3	G0	
12	1	G	
13	2	G5	
14	5	G0	
15	3	G5	
16	2	G0	
17	4	Bq	
18	2	K	Diffuse
19	4	A0	
20	3	K2	
21	3	F5	
22	6	G0	
23	2	G	
24	3	F0	
25	7	F5	
26	8	Bq	e
27	2	K ✓	e Confirm

1	+53°	1272	8	28.5	+53	12.7	6.4	✓
2	+53°	1269	8	28.2	+53	24.8	6.6	✓
3	+53°	1268	8	27.5	+53	52.9	6.8	✓
4	+56°	1312	8	25.8	+56	19.9	8.0	✓
5	+56°	1314	8	26.2	+56	28.6	7.5	✓
6	+57°	1150	8	21.2	+57	12.5	8.2	✓
7	+57°	1151	8	22.3	+57	2.4	8.7	✓
8	+57°	1152	8	22.8	+57	24.8	7.8	✓
9	+57°	1154	8	24.7	+57	12.8	8.7	✓
10	+56°	1313	8	25.9	+56	58.9	8.6	✓
11	+57°	1156	8	26.1	+57	9.2	8.5	✓
12	+57°	1157	8	26.3	+57	17.4	8.7	✓
13	+57°	1155	8	25.8	+57	51.7	8.6	✓
14	+56°	1322	8	29.6	+56	11.6	8.1	✓
15	+57°	1162	8	30.4	+57	11.9	8.3	✓
16	+56°	1323	8	31.2	+56	37.6	8.8	✓
17	+56°	1324	8	31.5	+56	54.1	8.5	✓
18	+56°	1328	8	33.7	+56	3.3	9.0	✓
19	+54°	1254	8	37.0	+54	56.1	8.6	✓
20	+56°	1336	8	38.0	+56	52.0	8.2	✓
21	+56°	1337	8	39.0	+56	44.3	8.5	✓
22	+55°	1297	8	42.2	+55	29.5	7.5	✓
23	+54°	1261	8	43.4	+54	50.9	8.8	
24	+54°	1260	8	42.6	+54	16.7	8.3	✓
25	+52°	1343	8	42.6	+52	54.3	6.8	✓
26	+53°	1391	8	44.4	+53	21.0	7.3	✓
27	+53°	1392	8	45.6	+53	36.1	8.5	✓

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April 10, 1912 (Cont.)
I 37705

No.	Int.	Class	Remarks
28	3	Ko	
29	7	F8	
30	4	Ko	
31	2	Go	
32	2	Ko	
33	4	F5	
34	2	G5	
35	6	Ko	
36	4	F8	
37	10	B8	Burned out.
38	~~G5~~	G0	
39	6	F0	
40	1	G	
41	1	F5	
42	3	A0	
43	3	G5	
44	3	A2p	
45	2	K5	
46	3	Ko	
47	1	K	
48	2	F5	
49	~~6~~	F5	
50	1	A	
51	4	Ko	
52	7	A0	
53	2	G0	
54	3	F2	

28	+55°	1299	8	46.3	+55	13.3	8.0	✓
29	+55°	1301	8	46.6	+55	23.6	7.5	✓
30	+54°	1264	8	48.6	+54	57.8	8.2	✓
31	+54°	1265	8	48.7	+54	31.7	8.5	✓
32	+54°	1267	8	49.3	+54	20.0	8.3	✓
33	+53°	1300	8	49.7	+53	53.4	7.9	✓
34	+54°	1270	8	50.8	+54	5.7	8.3	✓
35	+53°	1305	8	53.0	+53	40.3	7.0	✓
36	+55°	1308	8	51.9	+55	4.7	8.3	✓
37	+54°	1272	8	53.4	+54	51.2	5.8	✓
38	+56°	1361	8	55.1	+56	6.3	7.4	✓
39	+55°	1312	8	55.2	+55	58.0	6.9	✓
40	+55°	1313	8	55.8	+55	18.7	9.0	✓
41	+54°	1276	8	55.8	+54	52.5	9.0	✓
42	+53°	1308	8	55.9	+53	49.5	8.4	✓
43	+53°	1309	8	56.4	+53	32.7	7.3	✓
44	+53°	1313	8	58.0	+53	51.5	8.0	✓
45	+56°	1364	8	56.7	+56	41.1	8.6	✓
46	+55°	1315	8	57.9	+55	39.8	8.0	✓
47	+55°	1316	8	59.0	+55	29.0	9.0	✓
48	+55°	1318	8	59.4	+55	48.2	8.8	✓
49	+55°	1319	8	59.6	+55	33.1	7.8	✓
50	+55°	1321	8	59.7	+55	17.7	9.0	✓
51	+55°	1322	9	2.4	+55	58.0	7.8	✓
52	+56°	1375	9	4.2	+56	12.7	7.5	✓
53	+56°	1374	9	4.5	+56	2.6	9.0	✓
54	+56°	1377	9	5.3	+56	40.0	8.3	✓

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April 10, 1912 (Cont.)

I 37705

No.	Qur.	Class	Remark
55	2	K0	
56	1	G	
57	2	A2	
58	10	A2	
59	8	A0	e
60	4	K	e
~~61~~	~~4~~		too badly scratched
62	3	K2	e
63	8	mb	
64	4	K0	
65	2	K	
66	6	F2	
67	7	F2	
68	2	F	e,
69	4	A2	e.
70	7	A2	
71	8	A0	
72	2	A	
73	2	A5	~~Maybe A5~~
74	5	F0	
75	9	A0	
76	3	K0	
77	5	G5	
78	5	F80	
79	4	F5	
80	3	F0	
81	6	A0	

55	+56°	1378	9	6.0	+56	35.8	8.7	✓
56	+55°	1327	9	6.3	+55	41.8	9.0	✓
57	+54°	1282	9	3.9	+54	39.5	8.8	✓
58	+54°	1285	9	5.8	+54	37.5	5.7	✓
59	+53°	1330	8 9	10.3	+53	4.0	7.0	✓
60	+52°	1358	8	52.5	+52	50.4	8.2	✓
61	+52°	1371	9	0.0	+52	58.7	8.0	✓
62	+53°	1320 1321	9	4.5	+53	18.1 18.4	8.0 8.0	✓
63	+57°	1214	9	11.0	+57	19.0	5.8	✓
64	+55°	1331	9	13.4	+55	48.6	7.8	✓
65	+56°	1383	9	16.6	+56	49.5	8.5	✓
66	+56°	1386	9	18.9	+56	51.8	6.5	✓
67	+56°	1388	9	19.4	+56	22.2	6.6	✓
68	+56°	1389	9	20.1	+56	34.0	8.8	✓
69	+55°	1339	9	21.2	+55	54.0	7.5	✓
70	+54	1299	9	15.4	+54	39.0	7.5	✓
71	+59°	1176	8	22.3	+59	4.4	7.0	✓
72	+59°	1177	8	22.6	+59	17.8	8.9	✓
73	+59°	1181	8	24.7	+59	6.1	9.0	✓
74	+58°	1136	8	25.4	+58	41.2	8.3	✓
75	+60°	1148	8	27.3	+60	25.7	6.8	✓
76	+60°	1149	8	28.6	+60	5.1	7.5	✓
77	+59°	1183	8	29.8	+59	35.3	7.1	✓
78	+59°	1184	8	33.5	+59	33.9	7.8	✓
79	+58°	1146	8	34.3	+58	44.1	7.9	✓
80	+58°	1144	8	32.9	+58	4.0	8.5	✓
81	+57°	1169	8	34.7	+57	57.3	7.7	✓

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April 10, 1912 (Cont.)

I 3770S

No.	Dist.	Class	Remark
82	6	F0	
83	1	K0	
84	5	F2	
85	2	A5	
86	3	G5	
87	5	B9	
88	1	G5	
89	1	K	
90	8	F0	
91	4	F8	
92	1	F	
93	8	A2	
94	4	K2	
95	2	G0	
96	4	G5	
97	4	F5	
98	1	K	
99	2	G5	
100	4	K0	
101	3	F2	
102	1	K	
103	10	A0	
104	3	K0	
105	5	K0	
106	3	F5	
107	3	K0	
108	2	F	

82	+58°	1153	8	40.2	+ 58	8.7	7.6	✓
83	+58°	1152	8	40.1	+ 58	54.2	8.0	✓
84	+58°	1154	8	40.5	+ 58	40.6	7.8	✓
85	+58°	1156	8	43.2	+ 58	25.1	8.9	✓
86	+57°	1178	8	42.9	+ 57	49.2	8.3	✓
87	+57°	1179	8	43.9	+ 57	57.8	8.2	✓
88	+58°	1157	8	43.4	+ 58	41.9	8.7	✓
89	+59°	1196	8	41.2	+ 59	12.9	8.6	✓
90	+59°	1198	8	41.6	+ 59	36.0	6.5	✓
91	+59°	1199	8	42.3	+ 59	25.3	8.0	✓
92	+59°	1203	8	45.7	+ 59	9.9	8.8	✓
93	+58°	1159	8	46.2	+ 58	45.8	7.0	✓
94	+57°	1182	8	45.9	+ 57	26.6	6.7	✓
95	+57°	1181	8	45.3	+ 57	10.8	9.0	✓
96	+56°	1351	8	47.6	+ 56	24.9	7.8	✓
97	+56°	1355	8	50.3	+ 56	25.2	8.1	✓
98	+58°	1159	8	~~46.2~~ 48.1	+ 58	~~45.8~~ 46.3	~~7.0~~ 8.0	✓
99	+59°	1209	8	48.8	+ 59	49.3	8.3	✓
100	+59°	1212	8	50.5	+ 59	58.3	8.0	✓
101	+59°	1213	8	50.6	+ 59	5.0	8.7	✓
102	+58°	1169	8	54.2	+ 58	40.2	8.7	✓
103	+59°	1217	8	55.4	+ 59	54.8	6.2	✓
104	+59°	1218	8	56.2	+ 59	26.9	7.6	✓
105	+59°	1221	8	58.6	+ 59	43.0	7.0	✓
106	+59°	1223	8	59.2	+ 59	50.8	8.2	✓
107	+59°	1225	8.9	1.4	+ 59	22.1	7.7	✓
108	+57°	1204	9	0.5	+ 57	28.1	8.9	✓

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April 10, 1912 (Contd.)

I 37705

No.	Dur.	Class	Remark
109	6	K0	
110	1	K	
111	8	K5	
112	4	K0	
113	4	G5	
114	2	F8	
115	2	G	
116	2	G5	
117	4	K0	
118	3	K2	
119	3	G0	
120	5	B8	
121	5	F0	
122	3	K2	
123	2	K0	
124	6	F8	E
125	2	K	
126	4	F0	
127	5	K0	
128	4	F2	
129	3	K	E
130	10	F0	
131	2	K0	
132	1	G5	
133	3	A3	
134	3	F5	
135	2	K	

109	+57°	1208	9	2.0	+57	32.1	7.0 ✓
110	+56°	1371	9	1.8	+56	53.5	8.6 ✓
111	+57°	1211	9	5.1	+57	18.7	5.0 ✓
112	+58°	1182	9	7.0	+58	5.2	7.1 ✓
113	+58°	1183	9	7.1	+58	30.6	7.5 ✓
114	+59°	1227	9	5.0	+59	18.7	8.9 ✓
115	+59°	1229	9	8.3	+59	1.0	8.6 ✓
116	+60°	1180	9	6.9	+60	39.0	8.3 ✓
117	+60°	1181	9	9.4	+60	22.8	7.3 ✓
118	+61°	1118	9	13.1	+61	3.1	7.3 ✓
119	+60°	1187	9	13.9	+60	37.0	8.0 ✓
120	+58°	1190	9	16.6	+58	45.8	7.8 ✓
121	+58°	1192	9	19.2	+58	45.3	7.5 ✓
122	+59°	1238	9	20.4	+59	23.2	6.8 ✓
123	+59°	1241	9	21.9	+59	31.9	8.0 ✓
124	+60°	1136	8	19.2	+60	23.5	7.8 ✓
125	+60°	1146	8	26.5	+60	57.4	8.3 ✓
126	+61°	1065	8	28.8	+61	7.3	7.7 ✓
127	+61°	1070	8	31.1	+61	25.6	7.5 ✓
128	+61°	1078	8	38.0	+61	46.2	7.8 ✓
129	+62°	1021	8	38.1	+62	21.7	7.8 ✓
130	+62°	1027	8	41.4	+62	29.5	5.7 ✓
131	+60°	1157	8	44.5	+60	53.4	7.7 ✓
132	+60°	1158	8	45.3	+60	57.1	8.5 ✓
133	+60°	1159	8	45.7	+60	46.3	8.3 ✓
134	+60°	1161	8	47.3	+60	42.3	8.5 ✓
135	+61°	1184	8	43.9	+61	42.2	8.5 ✓

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April 10, 1912 (cont.)

T 37705

No.	Int.	class	Remarks
136	5	A3	
137	4	A0	
138	4	K0	
139	5	K5	
140	4	K0	
141	3	B9	
142	2	K5	
143	8	A	E
144	10	K	E
145	3	A2	E
146	3	K	E
147	5	F	E
148	3	A5	E
149	7	F	E
150	8	K5	E
151	5	A5	E

June 22, 40

136	+61°	1088	8	45.9	+61	37.8	8.2 ✓
137	+61°	1093	8	48.4	+61	39.3	8.5 ✓
138	+62°	1036	8	48.4	+62	29.9	7.8 ✓
139	+61°	1098	8	53.0	+61	33.4	7.5 ✓
140	+61°	1101	8	55.6	+61	5.8	7.7 ✓
141	+61°	1102	8	57.8	+61	7.9	8.5 ✓
142	+60°	1170	8	54.9	+60	54.2	9.0 ✓
143	+62°	1055	9	1.2	+62	13.9	7.6
144	+62°	1058	9	2.9	+62	14.9	7.6 ✓
145	+61°	1111	9	7.4	+61	0.1	5.0 ✓
146	+62°	1064	9	8.0	+62	29.3	8.0 ✓
147	+61°	1114	9	9.4	+61	11.5	7.6 ✓
148	+62°	1069	9	12.7	+62	59.3	7.6 ✓
149	+61°	1132	9	24.2	+61	23.3	8.2 ✓
150	+60°	1198	9	26.8	+60	31.7	7.5 ✓
151	+63°	825	8	58.6	+63	51.0	6.5 ✓
						1.8	7.8 ✓

Identified by A.M.C. May 16, 1912
Checked by J.C.M. June 13, 1912

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April 11, 1912

Time: 21.55

I 37613

No.	Int.	Class	Remark
1	4	F5	E.
2	10	F5	E.
3	2	F5	Focus very poor.
4	2	K	
5	2	G5	
6	3	F5	Focus very poor.
7	3	F8	
8	3	K0	
9	7	F0	
10	2	F8	
11	8	K	E.
12	10+	G	E.
13	2	G0	
14	2	K0	
15	2	K2	
16	4	G5	
17	1	K	
18	3	F5	
19	4	F8	
20	2	G5	
21	6	K0	
22	10	A0	
23	6	G5	
24	1	G	
25	5	G0	
26	5	G5	
27	3	F2	

1	+19°	2710	13	38.2	+19	5.5	7.7	✓
2	+18°	2782	13	40.4	+18	10.8	4.6	✓
3	+19°	2715	13	40.4	+19	47.1	8.6	✓
4	+19°	2716	13	41.0	+19	40.2	7.8	✓
5	+20°	2872	13	40.7	+20	1.9	8.4	✓
6	+18°	2784	13	41.5	+18	58.0	8.2	✓
7	+20°	2876	13	42.7	+20	5.1	8.0	✓
8	+20°	2888	13	42.9	+20	4.6	8.2	✓
9	+19°	2719	13	43.2	+19	20.9	7.2	✓
10	+19°	2722	13	44.3	+19	37.5	8.5	✓
11	+18°	2795	13	46.3	+18	39.4	6.5	✓
12	+19°	2725	13	47.8	+19	7.7	3.2	✓
13	+20°	2893	13	47.0	+20	13.1	9.0	✓
14	+20°	2896	13	48.5	+20	5.9	8.3	✓
15	+19°	2728	13	48.4	+19	24.3	7.9	✓
16	+18°	2804	13	50.7	+18	57.4	7.8	✓
17	+19°	2736	13	51.5	+19	39.2	8.8	✓
18	+20°	2908	13	51.8	+20	9.5	8.9	✓
19	+20°	2907	13	52.9	+20	35.5	8.4	✓
20	+21°	2592	13	49.9	+21	21.9	8.6	✓
21	+21°	2593	13	50.3	+21	39.8	6.8	✓
22	+22°	2650	13	51.9	+22	24.7	5.5	✓
23	+22°	2651	13	54.3	+22	41.2	6.8	✓
24	+22°	2652	13	54.4	+22	5.6	8.4	✓
25	+22°	2654	13	55.2	+22	16.9	7.5	✓
26	+21°	2598	13	55.5	+21	35.0	7.5	✓
27	+22°	2656	13	56.2	+22	45.7	8.0	✓

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No	Int.	Class	Remark
28	8	F0	
29	4	A0	
30	2	G5	
31	1	K	
32	2	G5	
33	7	G5	
34	1	K	
35	6	F5	
36	2	F5	
37	2	G	
38	4	F5	
39	3	F2	
40	5	F8	
41	5	F2	
42	2	F8	
43	3	K0	
44	2	K0	
45	3	K0	E.
46	3	G5	E.
47	1	F5	
48	6	A5	
49	2	F	
50	2	G	
51	1	K	
52	1	G	Difficult
53	6	F5	
54	10+	G5	

28	+23°	2644	13	56.6	+23	11.9	6.5	✓
29	+22°	2659	13	57.7	+22	4.9	8.0	✓
30	+21°	2600	13	56.4	+21	0.4	8.6	✓
31	+20°	2911	13	55.1	+20	8.0	8.7	✓
32	+19°	2780	13	55.7	+19	50.3	8.0	✓
33	+18°	2813	13	54.7	+18	22.9	6.8	✓
34	+18°	2815	13	56.0	+18	42.0	8.2	✓
35	+19°	2752	13	57.7	+19	52.4	7.9	✓
36	+20°	2919	13	59.0	+20	38.5	8.6	✓
37	+20°	2920	14	0.0	+20	47.7	8.5	✓
38	+21°	2610	14	1.2	+21	7.3	8.2	✓
39	+21°	2612	14	1.3	+21	14.6	8.5	✓
40	+21°	2613	14	1.5	+21	52.7	8.0	✓
41	+21°	2618	14	2.8	+21	9.8	7.7	✓
42	+20°	2932	14	2.1	+20	9.4	8.3	✓
43	+20°	2933	14	3.0	+20	25.0	8.2	✓
44	+20°	2934	14	3.4	+20	2.7	8.3	✓
45	+18°	2824	13	59.7	+18	36.4	7.0	✓
46	+18°	2830	14	1.9	+18	19.3	7.3	✓
47	+19°	2763	14	4.1	+19	47.8	8.7	✓
48	+21°	2625	14	5.4	+21	18.5	7.5	✓
49	+20°	2942	14	5.4	+20	29.2	8.5	✓
50	+20°	2944	14	7.0	+20	42.5	8.5	✓
51	+20°	2945	14	7.2	+20	15.0	8.0	✓
52	+21°	2629	14	7.5	+21	5.9	8.8	✓
53	+20°	2949	14	8.3	+20	34.1	8.0	✓
54	+19°	2777	14	9.0	+19	56.4	1.0	✓

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No.	Int.	Class	Remark
55	6	A5	E.
56	7	F5	E.
57	2	K	
58	8	F0	
59	4	F8	
60	3	G5	E.
61	5	K0	E.
62	3	G5	E.
63	3	F8	E.
64	6	K0	E.
65	2	G	
66	4	F8	
67	9	K0	
68	4	G0	Partly superposed on 69.
69	5	G0	
70	2	G0	
71	2	G	
72	3	F8	
73	1	G	Difficult
74	4	G0	
75	1	G	
76	4	K2	
77	1	K	
78	3	K0	
79	4	F8	
80	5	F5	
81	6	G5	

55	+19°	2779	14	9.3	+19	36.0	6.7 ✓
56	+20°	2954	14	9.8	+20	48.0	7.0 ✓
57	+22°	2677	14	8.0	+22	5.2	8.2 ✓
58	+22°	2678	14	8.0	+22	34.2	6.5 ✓
59	+21°	2632	14	9.5	+21	55.8	7.5 ✓
60	+21°	2635	14	10.4	+21	39.8	8.7 ✓
61	+21°	2638	14	11.7	+21	58.1	7.2 ✓
62	+22°	2683	14	11.8	+22	8.5	7.8 ✓
63	+22°	2621	13	36.6	+22	44.9	8.2 ✓
64	+23°	2606	13	36.9	+23	25.6	6.3 ✓
65	+23°	2611	13	38.9	+23	15.2	8.4 ✓
66	+23°	2613	13	40.0	+23	16.0	7.8 ✓
67	+21°	2578	13	42.9	+21	59.1	5.1 ✓
68	+21°	2579	13	43.5	+21	58.8	7.5 ✓
69	+21°	2580	13	43.7	+21	59.7	7.4 ✓
70	+22°	2639	13	43.7	+22	15.8	8.4 ✓
71	+21°	2582	13	44.2	+21	59.3	8.3 ✓
72	+22°	2640	13	44.5	+22	14.0	8.3 ✓
73	+20°	2885	13	44.7	+20	53.5	9.0 ✓
74	+21°	2588	13	47.6	+21	21.8	8.0 ✓
75	+20°	2895	13	47.9	+20	50.9	9.2 ✓
76	+23°	2631	13	49.0	+23	24.3	7.3 ✓
77	+24°	2666	13	50.0	+24	16.1	8.8 ✓
78	+24°	2668	13	50.6	+24	5.4	8.4 ✓
79	+24°	2670	13	50.7	+24	16.5	8.1 ✓
80	+24°	2671	13	51.5	+24	40.3	8.3 ✓
81	+25°	2712	13	52.2	+25	24.6	6.8 ✓

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No.	Int.	Class	Remark
82	5	F0	
83	2	F8	
84	2	A2	
85	2	G5	
86	1	K	
87	4	G0	
88	1	G5	
89	5	G0	
90	3	K0	
91	8	F5	
92	1	G	
93	8	B2	
94	2	G	
95	4	F5	
96	5	K0	
97	5	G5	
98	3	B9	
99	3	G5	
100	2	G	
101	3	K0	
102	4	F2	
103	5	F0	
104	4	F0	
105	10	F5	
106	5	A0	
107	7	F0	
108	3	G	E.

82	+25°	2713	13	52.7	+25	0.3	7.5 ✓
83	+25°	2714	13	52.8	+25	28.1	8.9 ✓
84	+23°	2636	13	51.9	+23	34.5	8.8 ✓
85	+23°	2638	13	52.4	+23	9.2	7.8 ✓
86	+23°	2640	13	52.6	+23	34.5	9.0 ✓
87	+23°	2642	13	52.9	+23	38.6	8.5 ✓
88	+24°	2675	13	53.2	+24	0.9	9.0 ✓
89	+25°	2722	13	56.2	+25	16.0	7.3 ✓
90	+25°	2723	13	56.6	+25	18.1	7.5 ✓
91	+26°	2521	13	58.1	+26	31.0	6.8 ✓
92	+25°	2732	13.4	1.2	+25	25.0	8.7 ✓
93	+25°	2733	14	1.6	+25	0.2	6.2 ✓
94	+24°	2687	13.4	0.2	+24	40.0	9.0 ✓
95	+24°	2685	13	59.6	+24	5.8	7.8 ✓
96	+23°	2647	13	59.0	+23	26.3	7.3 ✓
97	+22°	2661	13	59.5	+22	51.9	6.5 ✓
98	+23°	2652	14	0.7	+23	9.4	8.7 ✓
99	+23°	2653	14	1.6	+23	15.6	8.3 ✓
100	+23°	2651	13.4	0.5	+23	50.9	8.9 ✓
101	+23°	2658	14	3.0	+23	51.7	8.5 ✓
102	+23°	2661	14	4.6	+23	21.6	8.1 ✓
103	+23°	2662	14	5.9	+23	4.1	7.5 ✓
104	+22°	2671	14	4.5	+22	25.6	8.2 ✓
105	+25°	2737	14	3.6	+25	47.2	4.8 ✓
106	+25°	2744	14	7.1	+25	28.2	8.0 ✓
107	+24°	2707	14	8.4	+24	22.1	6.5 ✓
108	+23°	2671	14	9.9	+23	21.8	8.4 ✓

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No.	Int.	Class	Remark
109	8	F5	E.
110	3	K0	E.
111	3	K0	
112	2	F5	
113	1	K0	
114	2	F8	
115	5	F5	
116	3	K2	
117	3	K2	
118	4	K0	
119	2	K5	
120	5	F8	
121	7	F0	
122	2	G5	
123	3	K0	
124	7	A3	
125	8	K	E.
126	9	A3	E.
127	4	K	E.
128	3	F5	E.

Time: 22.20

Cards mailed

109	+26°	2494	13	40.0	+26	25.4	6.0	✓
110	+27°	2296	13	42.5	+27	43.0	7.0	✓
111	+24°	2641	13	41.6	+24	9.5	7.5	✓
112	+23°	2620	13	43.7	+23	46.6	8.8	✓
113	+23°	2623	13	44.8	+23	28.8	8.0	✓
114	+24°	2652	13	45.4	+24	2.4	8.5	✓
115	+24°	2654	13	45.9	+24	17.7	7.5	✓
116	+24°	2656	13	46.1	+24	3.9	8.1	✓
117	+24°	2658	13	46.7	+24	53.2	7.7	✓
118	+25°	2689	13	44.5	+25	24.9	7.5	✓
119	+25°	2691	13	45.1	+25	24.3	8.0	✓
120	+25°	2692	13	45.2	+25	45.6	7.5	✓
121	+26°	2508	13	49.5	+26	38.4	6.8	✓
122	+25°	2702	13	49.3	+25	13.5	8.5	✓
123	+25°	2708	13	50.8	+25	43.6	8.0	✓
124	+26°	2511	13	52.4	+26	31.2	7.3	✓
125	+28°	2278	13	49.9	+28	13.0	5.0	✓
126	+28°	2287	13	54.6	+28	5.7	6.3	✓
127	+28°	2291	13	56.9	+28	11.3	7.5	✓
128	+28°	2292	13	59.9	+28	26.0	8.0	✓

Identified by AMC. May 16. 1912

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April 11, 1912

Time: 23.23

I 37608

No.	Int.	Class	Remark
1	8	Ko	E.
2	3	K2	E.
3	5	ky5	E.
4	1	K	E.
5	3	ky5	
6	3	ky	X
7	3	F8	Focus good.
8	4	K	
9	6	Ko	
10	2	K	
11	3	Ko	
12	3	ky	E.
13	3	Ko	
14	8	Ko	
15	3	F8	
16	4	F8	E.
17	2	F8	E.
18	5	a	E.
19	9	ao	E.
20	8	F5	E.
21	4	ky5	
22	3	Ko	
23	3	F	
24	2	F5	
25	3	F2	
26	5	By	
27	3	a	

1	+17°	2078	q	17.5	+17	12.5	6.3 ✓
2	+18°	2183	q	16.6	+18	18.8	7.0 ✓
3	+18°	2182	q	16.4	+18	46.2	6.8 ✓
4	+17°	2084	q	18.6	+17	19.3	8.0 ✓
5	+18°	2195	q	18.9	+18	38.6	8.5 ✓
6	+17°	2089	q	19.7	+17	30.6	8.7 ✓
7	+17°	2090	q	19.9	+17	37.2	8.7 ✓
8	+17°	2092	q	21.0	+17	44.5	8.5 ✓
9	+18°	2207	q	21.5	+18	15.8	7.5 ✓
10	+18°	2212	q	22.7	+18	28.9	9.2 ✓
11	+16°	1984	q	23.7	+16	25.2	7.6 ✓
12	+17°	2105	q	26.7	+17	58	8.7 ✓
13	+17°	2108	q	28.3	+17	53.4	8.2 ✓
14	+17°	2109	q	29.0	+17	6.3	6.3 ✓
15	+16°	1997	q	29.1	+16	54.1	7.8 ✓
16	+15°	2083	q	29.4	+15	53.5	8.5 ✓
17	+16	2000	q	29.7	+16	6.5	8.7 ✓
18	+14°	2113	q	27.3	+14	43.4	8.3 ✓
19	+15°	2077	q	28.0	+15	1.4	6.8 ✓
20	+15°	2087	q	30.1	+15	0.1	6.8 ✓
21	+17°	2114	q	30.0	+17	30.0	8.0 ✓
22	+18°	2232	q	30.0	+18	0.8	7.9 ✓
23	+18°	2236	q	31.1	+18	7.7	8.5 ✓
24	+18°	2246	q	33.1	+18	36.2	8.5 ✓
25	+18°	2247	q	33.5	+18	31.7	8.7 ✓
26	+17°	2120	q	34.3	+17	43.2	8.2 ✓
27	+18°	2251	q	34.4	+18	52.0	8.9 ✓

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No.	Int.	Class	Remark
28	4	Bg	
29	2	ly5	
30	3	K0	
31	3	ly5	
32	~~X7~~ 8	K0	
33	1	ly	Superposed on 32
34	X7	K0	
35	3	ly5	
36	3	ly0	
37	3	K0	
38	3	ly0	
39	3	ly0 X	
40	2	ly	
41	2	ly5	
42	3	ly0	
43	3	F8	
44	3	K2	
45	3	ly0	
46	3	K0	
47	3	Bg	
48	2	ly5	
49	5	A0	
50	5	F0	
51	2	ly	
52	4	F2	
53	2	ly5	
54	5	K0	

28	+18°	2258	g	35.2	+18	26.1	8.0 ✓
29	+18°	2262	g	36.0	+18	20.9	8.5 ✓
30	+16°	2010	g	33.8	+16	24.9	8.0 ✓
31	+17°	2125	g	36.6	+17	4.7	8.8 ✓
32	+19°	2251	g	36.4	+19	31.6	6.5 ✓
33	+19°	2252	g	36.5	+19	39.9	8.3 ✓
34	+19°	2254	g	37.8	+19	20.8	7.0 ✓
35	+18°	2265	g	38.0	+18	32.4	8.0 ✓
36	+18°	2267	g	38.8	+18	47.6	8.0 ✓
37	+18°	2274	g	41.1	+18	44.2	7.5 ✓
38	+19°	2261	g	40.4	+19	27.8	8.4 ✓
39	+19°	2265	g	41.2	+19	19.8	8.3 ✓
40	+19°	2266	g	41.4	+19	10.8	8.3 ✓
41	+19°	2267	g	41.5	+19	18.7	8.3 ✓
42	+18°	2276	g	42.7	+18	23.8	8.0 ✓
43	+18°	2278	g	43.7	+18	9.2	8.2 ✓
44	+17°	2141	g	41.9	+17	30.2	8.0 ✓
45	+17°	2144	g	42.0	+17	14.5	8.5 ✓
46	+16°	2039	g	43.3	+16	59.9	8.5 ✓
47	+17°	2148	g	44.2	+17	9.3	8.4 ✓
48	+19°	2275	g	43.6	+19	4.3	8.6 ✓
49	+19°	2279	g	45.7	+19	36.7	8.0 ✓
50	+19°	2283	g	47.6	+19	29.8	8.0 ✓
51	+18°	2290	g	47.7	+18	42.7	8.9 ✓
52	+18°	2291	g	48.0	+18	13.7	7.8 ✓
53	+17°	2152	g	46.3	+17	51.2	8.3 ✓
54	+17°	2156	g	49.6	+17	9.1	7.1 ✓

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No.	Int.	Class	Remark
55	6	ly5	E.
56	4	ly5	E.
57	5	ly	E.
58	2	ly	
59	4	Ko	
60	7	A3	
61	4	F0	
62	4	F5	
63	2	ly	
64	3	ly5	
65	2	ly	Partly superposed on 66
66	8	A3	
67	3	F0	
68	3	ly5	
69	5	K0	
70	4	K0	
71	4	F5	
72	3	K0	
73	4	K0	
74	3	F0	
75	2	K2	
76	4	F0	
77	3	ly5	
78	7	K0	
79	10	B9	
80	2	ly	
81	2	K0	

55	+15°	2141	9	50.3	+15	55.2	7.7	✓
56	+15°	2136	9	48.8	+15	26.0	7.8	✓
57	+15°	2127	9	46.9	+15	25.3	7.8	✓
58	+19°	2286	9	49.8	+19	5.3	9.5	✓
59	+19°	2284	9	49.3	+19	58.8	8.0	✓
60	+19°	2215	9	18.4	+19	42.1	7.5	✓
61	+20°	2323	9	19.8	+20	26.5	8.8	✓
62	+19°	2218	9	20.9	+19	54.3	8.3	✓
63	+20°	2325	9	21.3	+20	46.0	8.7	✓
64	+21°	2036	9	21.2	+21	32.5	7.8	✓
65	+22°	2098	9	22.1	+22	12.4	8.9	✓
66	+22°	2100	9	22.2	+22	28.1	7.0	✓
67	+21°	2041	9	22.6	+21	40.2	8.5	✓
68	+21°	2037	9	23.3	+21	22.6	8.5	✓
69	+20°	2331	9	23.4	+20	54.3	7.2	✓
70	+20°	2332	9	23.6	+20	38.3	7.5	✓
71	+20°	2334	9	23.9	+20	41.4	8.2	✓
72	+20°	2335	9	24.5	+20	29.8	8.4	✓
73	+19°	2226	9	25.5	+19	22.3	8.0	✓
74	+18°	2220	9	25.4	+18	55.3	8.4	✓
75	+19°	2228	9	26.4	+19	2.6	8.3	✓
76	+18°	2223	9	26.5	+18	36.2	8.6	✓
77	+19°	2232	9	28.4	+19	33.2	8.7	✓
78	+20°	2340	9	27.9	+20	41.4	7.0	✓
79	+20°	2351	9	30.8	+20	57.1	6.5	✓
80	+21°	2068	9	30.5	+21	48.3	8.1	✓
81	+22°	2112	9	30.5	+22	11.6	7.6	✓

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I 37608

No.	Int.	Class	Remark
82	4	I_2^{y5}	
83	3	I_2^{y5}	
84	2	I_2^{y5}	
85	1	I_2^{y5}	
86	7	I_2^{o}	
87	1	I_2^{y}	
88	5	I_2^{y5}	
89	3	I_2^{y5}	
90	2	I_2^{y}	
91	2	I_2^{y}	
92	7	I_2^{o}	
93	2	I_2^{y5}	
94	2	I_2^{r2}	
95	3	I_2^{y5}	
96	5	I_2^{y5}	
97	10	I_2^{o}	
98	2	I_2^{r}	
99	4	I_2^{ro}	
100	5	I_2^{y5}	
101	5	A_3	
102	2	I_2^{y5}	
103	4	I_2^{y}	
104	10	I_2^{r5}	
105	5	I_2^{ro}	
106	3	A_5	Uncertain
107	7	I_2^{r5}	
108	4	I_2^{r}	E

82	+21°	2072	q	31.0	+ 21	52.0	7.5 ✓
83	+21°	2078	q	32.6	+ 21	40.6	8.0 ✓
84	+22°	2116	q	33.9	+ 22	12.9	8.5 ✓
85	+21°	2084	q	35.1	+ 21	34.5	8.6 ✓
86	+20°	2366	q	35.3	+ 20	51.1	6.5 ✓
87	+21°	2095	q	37.6	+ 21	29.7	9.0 ✓
88	+21°	2100	q	38.1	+ 21	9.3	7.5 ✓
89	+21°	2099	q	38.0	+ 21	29.0	8.1 ✓
90	+21°	2096	q	37.8	+ 21	57.9	8.5 ✓
91	+21°	2101	q	38.1	+ 21	59.4	9.0 ✓
92	+21°	2108	q	39.6	+ 21	16.7	7.7 ✓
93	+19°	2262	q	40.5	+ 19	59.2	8.8 ✓
94	+20°	2383	q	41.9	+ 20	15.9	8.6 ✓
95	+20°	2382	q	41.8	+ 20	28.0	9.0 ✓
96	+21°	2111	q	41.5	+ 21	29.3	7.8 ✓
97	+21°	2113	q	41.7	+ 21	53.3	6.9 ✓
98	+21°	2115	q	42.8	+ 21	29.2	9.0 ✓
99	+20°	2387	q	43.7	+ 20	49.7	8.0 ✓
100	+20°	2391	q	45.2	+ 20	38.2	7.4 ✓
101	+19°	2270	q	42.8	+ 19	59.5	8.3 ✓
102	+20°	2393	q	45.8	+ 20	16.0	9.0 ✓
103	+21°	2124	q	47.6	+ 21	39.5	8.8 ✓
104	+23°	2107	q	23.4	+ 23	36.4	4.5 ✓
105	+22°	2102	q	24.0	+ 22	29.6	7.2 ✓
106	+22°	2104	q	25.0	+ 22	49.6	8.8 ✓
107	+24°	2104	q	25.7	+ 24	5.1	6.5 ✓
108	+23°	2116	q	27.8	+ 23	50.3	7.5 ✓

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April 11, 1912

I 37608

No.	Int.	Class	Remark
109	7	Ao	
110	4	Ko	
111	3	A	
112	3	A2	
113	4	F5	
114	3	F	
115	2	A	
116	8	F5	E.
117	4	F8	
118	2	G5	
119	7	Ko	
120	10+	G	
121	7	Ko	
122	4	K0	
123	4	F8	
124	3	K	
125	2	K5	
126	5	A	E.
127	6	F5	E.
128	10	A2	E.

Time 22.57

129	2	K8	
130	1	K2	
131	2	F0	

Cent. 135, 118

109	+23°	2120	q	28.7	+2.3	41.4	7.0 ✓
110	+22°	2108	q	28.7	+2.2	53.8	7.5 ✓
111	+22°	2111	q	29.0	+2.2	34.8	8.4 ✓
112	+22°	2114	q	31.4	+2.2	50.6	8.0 ✓
113	+24°	2111	q	30.0	+2.4	12.1	7.8 ✓
114	+23°	2126	q	30.4	+2.3	42.8	7.8 ✓
115	+23°	2128	q	30.5	+2.3	37.1	8.8 ✓
116	+25°	2127	q	29.5	+2.5	19.7	6.5 ✓
117	+23°	2139	q	33.8	+2.3	58.1	8.0 ✓
118	+24°	2121	q	34.6	+2.4	15.2	8.5 ✓
119	+24°	2128	q	37.0	+2.4	8.0	7.0 ✓
120	+24°	2129	q	37.6	+2.4	26.8	3.2 ✓
121	+24°	2133	q	39.2	+2.4	18.4	6.7 ✓
122	+23°	2149	q	40.7	+2.3	14.6	8.0 ✓
123	+23°	2154	q	43.8	+2.3	40.8	8.0 ✓
124	+23°	2156	q	44.7	+2.3	17.8	8.0 ✓
125	+22°	2138	q	45.0	+2.2	48.8	8.3 ✓
126	+25°	2155	q	40.5	+2.5	13.5	8.0 ✓
127	+25°	2163	q	41.9	+2.5	13.8	7.0 ✓
128	+25°	2169	q	43.7	+2.5	5.1	5.8 ✓

Identified by A.M.C. May 13, 1912

Checked by J.C.M. June 14, 1912.

129	+15°	2098	q	34.4	+1.5	25	8.6 135 on D37610
130	+15°	2118	q	42.0	+1.5	14	8.3 117 " "
131	+15°	2117	q	42.0	+1.5	34	8.5 116 on D37610

811

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April 16, 1912

Time: 21.26

I 37714

No.	Int.	Class	Remark
1	5	fg5	E.
2	3	Ff5	E.
3	4	Ff8	E.
4	9	Kb0	
5	8	A0	
6	7	A2	
7	5	f2	
8	3	Kb0	
9	3	fg0	
10	3	fg5	
11	3	fg5	
12	2	Kb2	
13	1	N	
14	3	fg5	
15	2	K	
16	3	f8	
17	1	Kb0	
18	4	fg0	
19	5	f8	
20	2	A5	
21	2	fg5	
22	3	A3	
23	6	f5	
24	1	Kb2	
25	7	f	E.
26	3	Bg	
27	6	N	E.

1	+73°	42.0	8	18.6	+73	56.3	7.3
2	+73°	42.4	8	23.4	+73	43.5	8.5
3	+74°	36.9	8	22.3	+74	8.6	8.6
4	+74°	37.0	8	23.5	+74	8.0	6.4
5	+73°	42.8	8	27.0	+73	39.6	6.5
6	+73°	43.0	8	30.1	+73	48.4	7.0
7	+72°	42.7	8	31.8	+72	55.1	6.8
8	+74°	37.9	8	35.1	+74	16.9	7.5
9	+73°	43.8	8	43.6	+73	38.3	8.0
10	+74°	38.2	8	41.3	+74	32.6	8.1
11	+74°	38.1	8	39.7	+74	58.1	8.5
12	+75°	35.2	8	36.8	+75	55.5	8.5
13	+75°	35.1	8	35.9	+75	14.8	9.0
14	+75°	35.0	8	34.7	+75	38.8	9.0
15	+75°	35.3	8	41.5	+75	30.4	9.0
16	+74°	38.3	8	46.5	+74	47.5	8.7
17	+75°	35.7	8	47.4	+75	32.6	9.0
18	+75°	35.9	8	49.2	+75	16.9	8.4
19	+74°	38.6	8	53.8	+74	38.4	8.5
20	+74°	39.1	8	57.9	+74	22.8	9.3
21	+73°	44.8	8	56.2	+73	34.8	8.5
22	+73°	44.3	8	50.1	+73	9.1	8.7
23	+72°	44.1	8	54.5	+72	52.6	7.7
24	+72°	44.2	8	56.0	+72	49.5	8.3
25	+71°	48.6	8	49.5	+71	51.6	6.7
26	+72°	43.9	8	49.9	+72	16.6	7.8
27	+71°	49.2	8	56.8	+71	57.4	6.5

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No.	Int.	Class	Remark
28	8	K	E.
29	10	A2	
30	3	A3	
31	2	K2	
32	8	K5	
33	2	G	
34	2	F5	
35	2	K5	
36	2	A	
37	2	A3	
38	4	F0	
39	5	K5	
40	10	G0	
41	3	K0	
42	6	F5	
43	5	F5	
44	3	K5	
45	9	F0	
46	7	A3	
47	10	K0	
48	6	F	E.
49	3	F5	E.
50	6	A0	
51	9	K0	
52	3	F5	
53	2	F5	
54	4	K0	

28	+72°	444	8	59.8	+72	15.1	6.3	J
29	+73°	452	9	1.2	+73	32.2	6.0	J
30	+72°	449	9	3.8	+72	47.8	8.5	J
31	+72°	450	9	5.7	+72	15.4	8.3	J
32	+74°	393	9	4.8	+74	36.9	6.8	J
33	+74°	394	9	8.1	+74	9.2	9.2	J
34	+73°	406	9	7.0	+73	28.0	9.1	J
35	+73°	463	9	11.5	+73	53.1	9.0	J
36	+73°	464	9	14.5	+73	35.4	9.3	J
37	+73°	465	9	15.2	+73	11.9	8.7	J
38	+72°	456	9	16.2	+72	57.1	7.8	J
39	+72°	459	9	18.1	+72	44.7	7.2	J
40	+72°	462	9	21.2	+72	50.4	6.0	J
41	+71°	504	9	21.1	+71	42.0	7.3	J
42	+72°	464	9	23.6	+72	42.7	7.3	J
43	+72°	465	9	27.3	+72	23.5	7.7	J
44	+73°	467	9	19.6	+73	39.3	8.1	J
45	+73°	470	9	24.0	+73	43.5	6.5	J
46	+73°	471	9	25.7	+73	23.4	7.0	J
47	+72°	466	9	29.5	+72	55.0	5.3	J
48	+70°	568	9	25.4	+70	54.8	7.0	J
49	+72°	509	9	31.1	+72	5.6	5.0	J
50	+72°	473	9	41.2	+72	21.1	7.1	J
51	+73°	478	9	45.3	+73	33.2	6.3	J
52	+73°	481	9	49.0	+73	6.6	8.2	J
53	+73°	482	9	52.6	+73	30.2	9.2	J
54	+73°	484	9	54.9	+73	18.5	7.8	J

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No.	Int.	Class	Remark
55	3	f2	
56	7	A2	
57	3	f	Uncertain. Too much superposed on 56.
58	2	fp5	
59	9	F0	
60	7	K0	
61	5	K2	
62	2	K	E.
63	5	K0	E.
64	9	A3	E.
65	10	A5	E.
66	5	F5	E.
67	3	F8	
68	3	fp0	
69	3	fp	Focus poor
70	3	fp	" "
71	3	F0	
72	5	A5	
73	6	fp0	
74	2	A	
75	3	A2	
76	2	fp	
77	1	fp5	
78	5	F0	
79	3	fp5	
80	3	F0	
81	2	K0	

55	+73°	487	9	58.6	+ 73	43.5	8.7 ✓
56	+74°	427	9	58.6	+ 74	35.3	7.7 ✓
57	+74°	428	9	59.0	+ 74	42.9	9.0 ✓
58	+74°	429	10	1.2	+ 74	41.9	9.2 ✓
59	+73°	489	10	5.7	+ 73	47.9	6.5 ✓
60	+73°	491	10	7.1	+ 73	9.6	7.6 ✓
61	+72°	479	9	56.9	+ 72	33.0	7.5 ✓
62	+72°	482	10	0.9	+ 72	47.7	9.0 ✓
63	+71°	529	9	59.2	+ 71	33.5	7.5 ✓
64	+71°	534	10	6.1	+ 71	47.1	6.3 ✓
65	+75°	342	8	19.8	+ 75	13.2	6.4 ✓
66	+75°	341	8	18.0	+ 75	39.8	8.3 ✓
67	+75°	347	8	27.3	+ 75	6.9	8.9 ✓
68	+74°	374	8	28.5	+ 74	49.7	8.6 ✓
69	+76°	327	8	22.2	+ 76	17.2	9.3 ✓
70	+76°	329	8	33.8	+ 76	0.5	9.2 ✓
71	+75°	355	8	43.8	+ 75	59.7	8.8 ✓
72	+76°	336	8	47.4	+ 76	14.8	8.3 ✓
73	+76°	385	8	46.2	+ 76	57.5	7.5 ✓
74	+76°	337	8	47.8	+ 76	43.4	9.4 ✓
75	+77°	351	8	46.9	+ 77	0.9	9.0 ✓
76	+76°	338	8	49.3	+ 76	55.0	9.0 ✓
77	+77°	354	8	51.7	+ 77	12.7	9.1 ✓
78	+77°	355	8	52.3	+ 77	41.1	8.7 ✓
79	+76°	339	8	53.6	+ 76	11.1	9.3 ✓
80	+75°	362	8	54.6	+ 75	40.0	8.9 ✓
81	+75°	363	8	55.1	+ 75	46.2	9.1 ✓

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+37714

No.	Int.	Class	Remark
82	2	Ly5	
83	6	Ly5	
84	8	A2	Line 4128-31 clearly seen.
85	3	K2	
86	4	Ly0	
87	10	A2	
88	5	K0	
89	10	B8	
90	5	A5	
91	3	A5	
92	7	K0	
93	5	K0	
94	9	F0	
95	3	Ly5	
96	3	Ly0	
97	2	Ly	
98	3	K0	
99	2	Ly0	
100	8	Ly5	
101	2	Ly5	
102	2	A2	
103	4	F0	
104	3	Ly5	
105	2	F5	
106	1	Ly	
107	3	F5	
108	3	Ly	

82	+76°	341	8	56.5	+76	12.4	9.1 V
83	+75°	365	8	57.8	+75	51.8	7.0 V
84	+75°	370	9	6.6	+75	31.0	7.3 I
85	+75°	373	9	8.4	+75	36.0	8.4 V
86	+75°	374	9	9.2	+75	51.3	8.9 I
87	+76°	377	9	12.6	+75	44.3	6.2 V
88	+74°	399	9	16.5	+74	35.1	8.0 V
89	+74°	402	9	21.6	+74	59.2	7.3 V
90	+74°	403	9	23.4	+74	59.9	8.2 V
91	+75°	381	9	21.5	+75	40.8	9.0 V
92	+75°	386	9	23.7	+75	50.9	6.8 V
93	+76°	360	9	25.8	+76	4.8	7.3 V
94	+75°	389	9	26.1	+75	15.3	6.8 V
95	+74°	405	9	29.6	+74	41.9	8.6 V
96	+74°	410	9	34.2	+74	19.3	8.7 V
97	+75°	395	9	37.2	+75	16.4	9.0 V
98	+75°	396	9	38.3	+75	6.5	8.2 V
99	+76°	397	9	40.5	+75	4.6	9.0 V
100	+75°	399	9	48.4	+75	27.3	7.2 V
101	+74°	417	9	47.1	+74	51.7	9.0 V
102	+74°	419	9	47.9	+74	56.2	9.0 V
103	+74°	414	9	45.3	+74	11.0	8.7 V
104	+75°	400	9	58.0	+75	1.1	8.5 V
105	+75°	401	9	53.7	+75	17.9	9.3 V
106	+75°	402	9	56.9	+75	7.0	8.8 V
107	+76°	375	9	56.7	+76	31.0	8.4 V
108	+77°	395	9	54.2	+77	3.0	8.8 V

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No.	Int.	Class	Remark
109	2	F5	
110	3	lg5	
111	3	F5	
112	4	F8	
113	3	A3	
114	3	lg5	
115	3	lg	E.
116	5	K0	E.
117	3	lg5	E.
118	5	lg0	
119	4	A	E.
120	1	K	E.
121	5	A0	E.
122	7	A3	E.
123	5	K0	E.
124	10+	lg	Burned out.
125	4	lg5	
126	5	K0	
127	5	A2	E.
128	6	A0	E.
129	8	Bg	E.
130	5	Ma	E.
131	6	K0	
132	5	F	
133	7	F8	
134	4	A	E.
135	6	lg5	E.

109	+76°	37′6	9″	59.8	+ 76	44.8	8.9	J
110	+76°	37′7	8″10	1.1	+ 76	54.6	8.3	J
111	+76°	38′1	10″	4.0	+ 76	33.1	8.8	J
112	+76°	38′0	10″	3.3	+ 76	9.5	8.3	J
113	+76°	38′2	10″	4.7	+ 76	22.3	9.0	J
114	+75°	40′9	10″	4.0	+ 75	54.7	8.5	J
115	+76°	38′5	10″	9.7	+ 76	21.6	8.7	J
116	+76°	38′6	10″	11.8	+ 76	24.2	7.7	J
117	+76°	38′8	10″	14.8	+ 76	38.5	8.0	J
118	+75°	41′2	10″	12.1	+ 75	30.7	8.2	J
119	+74°	43′3	10″	12.4	+74	12.4	9.0	J
120	+74°	43′4	10″	14.3	+ 74	31.4	8.5	J
121	+74°	43′7	10″	19.9	+ 74	31.8	7.8	J
122	+74°	43′8	10″	22.4	+ 74	34.7	7.4	J
123	+74°	43′6	10″	19.5	+ 74	3.6	7.0	J
124	+76°	39′3	10″	23.6	+ 76	28.1	5.0	J
125	+75°	41′5	10″	20.6	+ 75	40.5	8.9	J
126	+77°	40′4	10″	21.9	+ 77	28.5	7.8	J
127	+77°	40′5	10″	26.8	+ 77	11.6	8.3	J
128	+77°	40′6	10″	28.6	+ 77	58.9	8.0	J
129	+78°	35′9	10″	38.8	+ 78	11.2	7.0	J
130	+77°	41′2	10″	43.4	+ 77	51.5	6.8	J
131	+77°	32′7	8″	5.7	+ 77	25.0	7.0	J
132	+77°	33′0	8″	10.3	+ 77	31.5	7.7	J
133	+77°	33′7	8″	18.4	+ 77	30.5	7.2	J
134	+78°	28′4	8″	4.4	+ 78	23.0	7.5	J
135	+78°	28′9	8″	10.6	+ 78	41.2	6.8	J

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No.	Int.	Class	Remarks
136	7	Fo	
137	2	fy	
138	6	Mb	
139	8	Fo	
140	2	A	
141	2	fy5	
142	9	Ao	
143	1	K2	
144	6	Ao	
145	1	K2	
146	1	fy	
147	1	K2	
148	3	fy5	
149	2	Ko	The following of two.
150	5	F2	
151	5	fy5	
152	3	Fo	
153	2	K	
154	5	F2	
155	5	Ko	
156	4	Ko	
157	2	fy5	
158	5	F2	
159	4	fy0	
160	2	Ko	
161	2	fy0	
162	2	F8	

136	+78°	29.1	8	29.0	+ 78	12.1	7.0	✓
137	+78°	29.2	8	29.9	+ 78	20.4	8.6	✓
138	+78°	29.3	8	31.4	+ 78	41.5	6.5	✓
139	+78°	29.7	8	39.4	+ 78	41.5	6.9	✓
140	+78°	29.8	8	48.1	+ 78	5.3	9.0	✓
141	+77°	35.0	8	44.3	+ 77	28.9	9.0	✓
142	+77°	35.9	8	59.8	+ 77	39.6	6.8	✓
143	+77°	36.2	9	3.3	+ 77	20.2	8.9	✓
144	+76°	34.8	9	6.8	+ 76	17.3	8.1	✓
145	+76°	34.9	9	8.3	+ 76	45.2	8.8	✓
146	+76°	35.0	9	10.5	+ 76	40.9	9.2	✓
147	+76°	35.1	9	11.2	+ 76	32.6	8.9	✓
148	+77°	36.6	9	10.5	+ 77	28.9	8.8	✓
149	+77°	36.9	9	11.9	+ 77	46.8	8.7	✓
150	+77°	37.0	9	14.0	+ 77	40.9	8.5	✓
151	+78°	31.0	9	17.0	+ 78	19.6	8.2	✓
152	+78°	31.2	9	20.8	+ 78	52.8	8.7	✓
153	+78°	31.4	9	23.4	+ 78	1.7	8.8	✓
154	+78°	31.5	9	25.9	+ 78	11.8	8.2	✓
155	+77°	37.8	9	27.8	+ 77	52.1	7.8	✓
156	+76°	35.8	9	22.4	+ 76	48.3	8.0	✓
157	+76°	35.9	9	24.5	+ 76	52.7	8.8	✓
158	+77°	37.9	9	30.4	+ 77	22.6	8.4	✓
159	+76°	36.3	9	32.0	+ 76	57.6	8.5	✓
160	+76°	36.2	9	28.8	+ 76	33.0	8.4	✓
161	+76°	36.6	9	35.1	+ 76	23.2	9.1	✓
162	+75°	39.2	9	34.6	+ 75	47.8	9.2	✓

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I 37714

No.	Int.	Class	Remark
163	2	Ig	
164	2	Ig	
165	2	Ig	
166	2	Ir2	
167	6	Ig5	
168	2	Ir	
169	6	Ir0	
170	4	A0	
171	2	Ig5	
172	8	A0	
173	4	A0	
174	5	Ir0	
175	4	Ig5	
176	2	Ig	
177	2	Ig5	
178	4	F5	
179	6	A0	
180	5	B3	
181	5	Ig5	
182	2	Ig	
183	1	Ir0	
184	4	F2	
185	5	Ig	Focus poor.
186	5	F	
187	10	A5	
188	3	Ir	E.

encl. 135, 136

Time 22.03 ~~+89~~

163	+75°	39.4	9	36.0	+75	38.5	8.8	✓
164	+76°	36.7	9	36.9	+76	49.2	8.9	✓
165	+76°	36.8	9	41.8	+76	49.2	8.9	✓
166	+76°	37.1	9	46.2	+76	42.4	7.8	✓
167	+77°	38.9	9	43.0	+77	17.7	7.4	✓
168	+77°	39.0	9	44.1	+77	57.2	8.3	✓
169	+78°	32.9	9	41.0	+78	37.0	7.1	✓
170	+78°	33.7	9	56.3	+78	10.0	8.5	✓
171	+77°	39.8	10	3.5	+78	10.0	5.8	✓
172	+79°	32.8	10	0.8	+79	39.4	6.7	✓
173	+79°	32.9	10	6.4	+79	29.6	8.0	✓
174	+79°	33.0	10	8.8	+79	4.1	7.3	✓
175	+78°	34.9	10	18.6	+77	14.3	7.3	✓
176	+77°	39.9	10	11.0	+77	23.1	9.0	✓
177	+77°	40.1	10	13.6	+77	3.0	9.0	✓
178	+78°	35.4	10	24.1	+78	58.5	7.8	✓
179	+79°	29.4	10	45.4	+79	54.6	7.0	✓
180	+79°	30.0	10	57.6	+79	51.8	7.3	✓
181	+78°	30.3	9	2.1	+78	33.6	7.9	✓
182	+78°	30.1	9	0.6	+78	2.3	9.0	✓
183	+78°	30.4	9	3.0	+78	0.8	9.0	✓
184	+77°	36.4	9	5.9	+77	49.6	8.3	✓
185	+79°	30.5	9	8.6	+79	2.4	7.4	✓
186	+79°	31.6	9	24.8	+79	21.7	7.5	✓
187	+79°	31.9	9	29.8	+79	47.8	6.0	✓
188	+81°	31.9	9	41.0	+81	3.7	7.4	✓

Identified by A.M.C. May 23, 1912

Checked by J.C.M. June 17, 1912

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Time: 22.0 H

Ξ 37726

No.	Int.	Class	Remark
1	4	Ao	E.
2	7	Ko	E.
3	3	F	E.
4	3	A	E.
5	4	Ko	
6	2	Ko	
7	3	G5	
8	5	F8	
9	4	F8	
10	2	G	
11	7	G5	
12	4	G5	
13	6	F8	
14	2	G	Partly superposed on 13
15	8	F5	
16	2	K2	
17	10	G5	
18	2	G5	
19	5	F8	
20	3	Ko	
21	1	F8	
22	1	G5	
23	1	Ko	
24	2	G0	
25	5	Ko	
26	3	A	
27	4	G5	

1	+41°	2168	11	4.6	+41	19.5	8.4 ✓
2	+41°	2170	11	5.6	+41	52.8	6.2 ✓
3	+41°	2172	11	8.1	+41	19.8	8.6 ✓
4	+41°	2176	11	9.9	+41	36.8	8.5 ✓
5	+42°	2191	11	8.9	+42	30.8	7.4 ✓
6	+42°	2192	11	9.4	+42	33.8	8.2 ✓
7	+43°	2095	11	7.6	+43	7.4	7.9 ✓
8	+43°	2096	11	7.8	+43	15.6	7.8 ✓
9	+43°	2098	11	8.5	+43	8.7	8.4 ✓
10	+43°	2100	11	9.3	+43	36.0	8.8 ✓
11	+43°	2102	11	10.5	+43	6.4	6.8 ✓
12	+41°	2183	11	14.1	+41	49.2	7.6 ✓
13	+41°	2181	11	13.7	+41	14.9	7.2 ✓
14	+41°	2182	11	13.7	+41	5.4	8.2 ✓
15	+40°	2421	11	14.8	+40	58.9	6.5 ✓
16	+41°	2188	11	17.9	+41	43.9	7.5 ✓
17	+44°	2083	11	14.9	+44	17.1	5.3 ✓
18	+43°	2109	11	15.8	+43	55.2	8.5 ✓
19	+43°	2113	11	17.6	+43	25.4	7.8 ✓
20	+43°	2114	11	18.2	+43	31.9	7.7 ✓
21	+43°	2112	11	16.9	+43	56.8	9.2 ✓
22	+44°	2084	11	17.1	+44	0.8	8.3 ✓
23	+43°	2116	11	19.8	+43	53.8	9.1 ✓
24	+43°	2118	11	20.6	+43	36.6	8.6 ✓
25	+43°	2119	11	21.0	+43	36.9	7.2 ✓
26	+42°	2209	11	21.5	+42	58.3	8.4 ✓
27	+41°	2196	11	21.1	+41	58.8	7.2 ✓

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No.	Int.	Class	Remark
28	8	F5	
29	6	F8	
30	1	K	
31	4	F0	
32	2	G0	
33	10	F58	
34	6	K0	
35	3	F8	
36	2	G5	
37	8	B9	
38	8	G0	
39	5	F2	
40	10	F0	
41	3	G0	
42	2	G5	
43	6	A2	
44	2	Ma	
45	2	F2	
46	4	F8	
47	5	F5	
48	4	F0	
49	2	G5	
50	3	F8	
51	4	K2	
52	3	Ma	
53	6	F8	
54	5	F5	

28	+42°	2214	11	23.0	+ 47	6.5	6.8	✓
29	+42°	2216	11	24.1	+ 42	15.9	7.5	✓
30	+42°	2217	11	24.8	+ 42	34.3	8.5	✓
31	+43°	2121	11	22.2	+ 43	37.9	8.0	✓
32	+43°	2123	11	23.1	+ 43	37.9	8.8	✓
33	+43°	2122	11	22.7	+ 43	58.8	6.2	✓
34	+44°	2108	11	~~21.9~~ 22.7	+ 44	~~25.9~~ 22.5	~~8.7~~ 6.7	✓
35	+45°	1935	11	23.7	+ 45	37.0	8.0	✓
36	+44°	2107	11	27.2	+ 44	25.5	8.5	✓
37	+45°	1943	11	29.8	+ 45	81.6	6.5	✓
38	+45°	1947	11	31.1	+ 45	54.6	6.5	✓
39	+45°	1952	11	32.1	+ 45	58.4	7.7	✓
40	+44°	2110	11	30.6	+ 44	25.2	6.0	✓
41	+45°	1949	11	31.4	+ 45	6.3	8.3	✓
42	+45°	1951	11	32.0	+ 45	20.1	8.0	✓
43	+44°	2115	11	33.6	+ 44	48.8	7.5	✓
44	+45°	1955	11	33.9	+ 45	0.2	7.8	✓
45	+44°	2117	11	34.5	+ 44	56.8	8.5	✓
46	+44°	2118	11	34.8	+ 44	35.4	7.8	✓
47	+45°	1961	11	36.6	+ 45	17.2	7.3	✓
48	+44°	2121	11	37.6	+ 44	1.7	7.8	✓
49	+42°	2220	11	27.4	+ 42	26.4	8.3	✓
50	+42°	2225	11	29.2	+ 42	51.2	8.3	✓
51	+43°	2135	11	31.3	+ 43	8.0	8.2	✓
52	+42°	2233	11	32.4	+ 42	51.2	7.7	✓
53	+41°	2219	11	31.3	+ 41	58.0	8.0	✓
54	+41°	2218	11	31.2	+ 41	3.1	7.0	✓

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No.	Int.	Class	Remark
55	8	F5	
56	2	F8	
57	1	G5	
58	7	G5	
59	3	F8	
60	5	G5	
61	4	F5	
62	2	K	
63	6	F5	E.
64	7	K	E.
65	7	K	E.
66	6	K	E.
67	10+	K	Burned out.
68	7	K	E. Maybe M.
69	5	K	E.
70	3	G	E.
71	7	F8	E.
72	4	F8	E.
73	7	G	E.
74	2	G	E.
75	2	K	
76	4	K2	
77	4	G5	
78	3	G0	
79	2	G	
80	2	K0	
81	2	G0	

55	+42°	2236	11	34.1	+ 42	3.4	6.5 ✓
56	+42°	2239	11	34.6	+ 42	16.9	8.8 ✓
57	+41°	2227	11	35.0	+ 41	41.8	8.5 ✓
58	+42°	2241	11	35.9	+ 42	31.8	6.5 ✓
59	+43°	2150	11	39.9	+ 43	58.8	8.0 ✓
60	+44°	2132	11	43.0	+ 44	28.8	8.0 ✓
61	+43°	2153	11	42.5	+ 43	31.9	7.3 ✓
62	+43°	2159	11	43.9	+ 43	43.9	8.5 ✓
63	+43°	2165	11	46.1	+ 43	44.3	7.5 ✓
64	+41°	2244	11	46.3	+ 41	42.6	6.5 ✓
65	+42°	2256	11	48.9	+ 42	50.2	7.0 ✓
66	+41°	2248	11	48.5	+ 41	27.4	6.9 ✓
67	+45°	1897	11	1.5	+ 46	17.7	3.5 ✓
68	+43°	2083	11	1.5	+ 43	59.5	6.5 ✓
69	+43°	2085	11	2.5	+ 43	11.7	8.0 ✓
70	+43°	2088	11	3.5	+ 43	37.0	8.5 ✓
71	+43°	2089	11	3.7	+ 43	38.4	7.5 ✓
72	+44°	2068	11	6.7	+ 44	8.9	7.5 ✓
73	+45°	1903	11	7.0	+ 45	57.1	7.5 ✓
74	+46°	1709	11	7.6	+ 46	14.9	8.8 ✓
75	+46°	1707	11	7.8	+ 46	39.1	8.5 ✓
76	+46°	1708	11	7.6	+ 46	39.1	8.3 ✓
77	+45°	1906	11	9.3	+ 45	28.2	8.3 ✓
78	+44°	2072	11	7.8	+ 44	48.4	9.0 ✓
79	+44°	2075	11	8.7	+ 44	4.4	8.5 ✓
80	+44°	2081	11	12.5	+ 44	11.4	8.2 ✓
81	+45°	1908	11	10.5	+ 45	20.2	9.2 ✓

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No	Int.	Class	Remark
82	6	Fo	
83	9	Fo	
84	5	A2	
85	5	A5	
86	2	Ly	
87	9	Fo	
88	8	Ko	
89	6	Mb	
90	2	F8	
91	2	Ko	
92	5	Fo	
93	5	Ko	
94	2	Ly	
95	2	K	
96	2	K	
97	2	F	
98	2	Ly0	
99	2	Ko	
100	2	Ly	
101	3	Ly5	
102	4	A5	
103	1	Ly5	
Time: 22.25 104	9	Ko	
" 21.14 105	2	Ly0	
106	2	Ly5	
107	1	Ly	
108	6	F2	

82	+45°	1909	10	10.8	+45	20.5	8.0 ✓
83	+45°	1912	10	12.5	+45	47.2	6.8 ✓
84	+46°	1717	10	13.8	+46	7.4	7.7 ✓
85	+45°	1916	10	14.9	+45	38.1	8.0 ✓
86	+45°	1917	~~10~~ 11	15.0	+45	10.4	9.0 ✓
87	+45°	1927	10	20.0	+45	22.1	6.8 ✓
88	+45°	1926	10	20.0	+45	41.0	6.8 ✓
89	+45°	1924	10	19.9	+46	59.0	6.8 ✓
90	+44°	2091	11	19.7	+44	57.7	8.8 ✓
91	+44°	2094	11	20.2	+44	30.1	8.7 ✓
92	+44°	2095	11	20.4	+44	40.0	7.9 ✓
93	+44°	2096	11	20.6	+44	44.1	7.5 ✓
94	+45°	1930	11	21.5	+45	8.2	8.6 ✓
95	+44°	2099	11	21.5	+44	13.9	9.0 ✓
96	+44°	2102	11	21.6	+44	25.9 36.3	8.8 9.2 ✓
97	+45°	1932	11	22.1	+45	28.1	8.6 ✓
98	+45°	1929	11	20.9	+45	56.6	8.4 ✓
99	+46°	1724	11	20.9	+46	21.1	8.4 ✓
100	+46°	1725	11	21.1	+46	30.1	8.8 ✓
101	+46°	1726	11	21.4	+46	50.0	8.8 ✓
102	+47°	1879	11	22.0	+47	3.4	8.5 ✓
103	+46°	1730	11	22.4	+46	25.1	8.8 ✓
104	+47°	1880	11	22.5	+47	27.0	6.8 ✓
105	+47°	1884	11	25.5	+47	24.8	9.2 ✓
106	+47°	1885	11	26.9	+47	23.8	9.1 ✓
107	+46°	1738	11	28.7	+46	28.7	9.0 ✓
108	+46°	1739	11	29.4	+46	57.0	7.8 ✓

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No.	Sat.	Class	Remark
109	10	F2	
110	12	ly	
111	2	ly	
112	5	F0	
113	3	ly5	
114	5	F0	
115	2	F8	
116	3	ly0	
117	3	ly0	
118	1	ly	
119	2	ly	
120	2	F	E.
121	4	ly5	
122	8	A0	
123	7	B0	Partly superposed on 122
124	3	F	E.
125	1	ly5	
126	1	F	
127	2	ly	
128	8	F5	E.
129	3	ly5	
130	5	F2	
131	2	ly	Focus from.
132	2	ly	" "
133	7	A5	
134	3	F0	
135	1	F5	

109	+47°	1894	11	30.8	+ 47	38.4	6.1 ✓
110	+46°	1743	11	33.1	+ 46	55.6	9.1 ✓
111	+47°	1896	11	37.8	+ 47	18.8	9.0 ✓
112	+46°	1744	11	37.8	+ 46	25.2	7.8 ✓
113	+46°	1746	11	40.2	+ 46	28.7	8.0 ✓
114	+46°	1747	11	40.9	+ 46	56.0	8.0 ✓
115	+46°	1749	11	42.8	+ 46	35.1	8.8 ✓
116	+45°	1966	11	43.3	+ 45	55.0	8.6 ✓
117	+45°	1968	11	44.1	+ 45	37.0	7.9 ✓
118	+45°	1969	11	44.3	+ 45	25.1	8.6 ✓
119	+45°	1970	11	44.7	+ 45	1.7	8.5 ✓
120	+45°	1972	11	46.4	+ 45	32.0	8.6 ✓
121	+47°	1909	11	45.4	+ 47	23.4	8.3 ✓
122	+47°	1913	11	47.5	+ 47	17.9	7.3 ✓
123	+47°	1913	11	47.6	+ 47	18.9	7.8 ✓
124	+47°	1915	11	49.0	+ 47	29.4	8.3 ✓
125	+45°	1963	11	41.8	+ 45	31.6	8.5 ✓
126	+45°	1964	11	42.1	+ 45	20.1	9.0 ✓
127	+44°	2136	11	43.7	+ 44	54.7	8.9 ✓
128	+48°	1919	11	2.2	+ 48	34.9	7.1 ✓
129	+47°	1852	11	3.6	+ 47	20.5	8.2 ✓
130	+46°	1701	11	4.9	+ 46	59.6	8.0 ✓
131	+47°	1853	11	4.6	+ 47	28.4	8.4 ✓
132	+47°	1854	11	5.1	+ 47	44.8	8.9 ✓
133	+48°	1925	11	7.3	+ 48	16.7	7.0 ✓
134	+48°	1928	11	9.2	+ 48	43.6	7.5 ✓
135	+48°	1932	11	11.4	+ 48	14.8	8.1 ✓

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H 37726

No.	Int.	Class	Remark
136	2	g_5	
137	1	K	
138	2	g_5	
139	3	F0	
140	1	K_0	
141	1	g	Difficult.
142	3	A_2	
143	2	g_0	
144	6	F8	
145	5	A_0	
146	2	F5	
147	1	g_5	
148	6	g_5	
149	9	g_5	
150	9	B8	E.
151	8	g_5	E.
152	5	g_0	
153	2	g	
154	2	A_3	Difficult.
155	5	K_2	
156	4	g_0	
157	10+	K	
158	8	K_0	E.
159	5	K_5	Maybe Mar. Focus poor.
160	3	g	E.
161	4	g_5	

Lines 21. 29

136	+46°	1713	11	10.3	+46	39.7	8.5	✓
137	+46°	1715	11	12.0	+46	22.2	8.8	✓
138	+47°	1862	11	13.3	+47	14.9	8.5	✓
139	+47°	1864	11	14.1	+47	24.1	8.5	✓
140	+47°	1866	11	15.5	+47	9.6	8.5	✓
141	+46°	1720	11	15.2	+46	37.9	9.0	✓
142	+47°	1869	11	16.4	+47	41.9	8.3	✓
143	+47°	1871	11	17.3	+47	32.9	8.5	✓
144	+47°	1873	11	19.7	+47	5.5	7.5	✓
145	+48°	1944	11	20.2	+48	15.3	8.0	✓
146	+47°	1877	11	21.4	+47	54.9	8.8	✓
147	+48°	1946	11	22.0	+48	5.1	8.8	✓
148	+48°	1949	11	22.4	+48	3.3	8.2	✓
149	+48°	1952	11	23.0	+48	44.1	6.5	✓
150	+49°	2061	11	22.5	+49	43.7	7.0	✓
151	+49°	2062	11	23.2	+49	34.7	6.5	✓
152	+49°	2066	11	26.2	+49	21.3	8.1	✓
153	+49°	2067	11	26.7	+49	19.3	8.5	✓
154	+49°	2076	11	32.6	+49	2.4	8.5	✓
155	+49°	2079	11	36.8	+49	19.2	7.6	✓
156	+48°	1964	11	38.0	+48	28.2	7.8	✓
157	+48°	1966	11	38.4	+48	34.2	4.0	✓
158	+50°	1807	11	8.5	+50	16.0	6.0	✓
159	+49°	2050	11	16.5	+49	23.5	7.2	✓
160	+50	1820	11	17.2	+50	10.0	7.8	✓
161	+49°	2059	11	20.9	+49	2.3	7.8	✓

Identified by ANC, May 24, 1912
Checked by J. C. M. June 19, 1912.

Cancer Mass ref

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April 18, 1912

I 37609

Time 1.00

No	Int.	class	Remarks
1	8	Bq	E
2	2	G	E
3	3	Fo	Partly superposed on 4
4	7	Ko	
5	5	Ko	
6	4	Ko	
7	4	A2	
8	8	Ao	
9	1	K	
10	2	G5	
11	4	Ko	
12	7	Bq	E
13	2	Ko	
14	4	G8	
15	3	Ko	
16	3	F8	
17	2	G5	
18	2	Go	
19	7	F8	
20	4	Fo	
21	2	F5	
22	2	Go	
23	6	Ma	
24	3	Ko	
25	5	Ko	
26	3	Ko	
27	2	G	

1	+51°	2178	17	47.7	+51	1.7	6.5	✓
2	+50°	2364	17	2.5	+50	28.4	8.3	✓
3	+49°	2578	16	58.5	+49	37.6	8.8	✓
4	+49°	2579	16	58.5	+49	48.6	6.8	✓
5	+50°	2358	16	58.6	+50	31.0	7.1	✓
6	+51°	2161	16	59.1	+51	7.1	7.3	✓
7	+52°	2019	16	58.7	+52	8.6	7.5	✓
8	+52°	2018	16	57.9	+52	48.1	6.8	✓
9	+52°	2016	16	56.6	+52	31.3	8.3	✓
10	+52°	2014	16	54.6	+52	0.7	8.6	✓
11	+52°	2012	16	53.7	+52	5.9	7.7	✓
12	+52°	2009	16	52.9	+52	56.9	6.8	✓
13	+52°	2008	16	51.5	+52	11.9	8.0	✓
14	+50°	2352	16	54.6	+50	54.2	7.5	✓
15	+49°	2574	16	56.5	+49	41.2	7.3	✓
16	+49°	2575	16	57.2	+49	9.3	8.0	✓
17	+48°	2479	16	57.3	+48	58.7	9.0	✓
18	+48°	2477	16	56.3	+48	55.0	8.0	✓
19	+48°	2462	16	54.5	+48	12.4	8.0	✓
20	+48°	2467	16	53.1	+48	22.8	8.4	✓
21	+49°	2569	16	53.8	+49	23.0	8.4	✓
22	+49°	2571	16	53.9	+49	48.7	8.4	✓
23	+50°	2345	16	52.4	+50	17.0	6.5	✓
24	+51°	2145	16	50.4	+51	15.4	8.0	✓
25	+51°	2142	16	47.8	+51	1.9	7.7	✓
26	+51°	2141	16	47.3	+51	22.8	7.9	✓
27	+50°	2340	16	49.1	+50	6.8	8.8	✓

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I 3760g

No.	Int.	Class	Remark
28	1	Ko	
29	3	Ko	
30	7	A5	
31	5	A5	
32	3	F8	
33	5	F5	
34	3	A5	
35	3	K5	
36	2	G	
37	5	F8	
38	2	G5	
39	3	F8	
40	8	F0	
41	9	F5	
42	2	Ko	
43	3	F2	
44	6	F5	
45	2	Ko	
46	4	A3	E
47	6	Ko	E
48	3	G	E faint pair.
49	6	Ko	
50	4	A2	
51	4	Ko	
52	10	B	superposed on 53
53	8	B	" " 52
54	7	Ko	

28	+48°	2448	16	48.0	+48	29.4	8.5	✓
29	+48°	2445	16	46.9	+48	34.6	7.3	✓
30	+48°	2442	16	45.1	+48	28.8	7.0	✓
31	+48°	2439	16	44.7	+48	1.9	7.8	✓
32	+47°	2383	16	42.5	+47	44.0	8.0	✓
33	+47°	2381	16	42.3	+47	47.5	7.5	✓
34	+48°	2435	16	41.7	+48	27.8	8.0	✓
35	+48°	2433	16	40.6	+48	31.3	7.0	✓
36	+49°	2549	16	43.1	+49	18.6	8.9	✓
37	+49°	2548	16	43.1	+49	27.1	8.8	✓ +49° 2547 superposed
38	+49°	2545	16	42.1	+49	25.1	8.5	✓
39	+49°	2545	16	48.8	+49	16.8	8.8	✓
40	+50°	2326	16	40.8	+50	9.8	7.3	✓
41	+50°	2319	16	38.6	+50	13.6	6.5	✓
42	+51°	2132	16	41.2	+51	4.4	8.5	✓
43	+51°	2133	16	41.3	+51	40.2	8.3	✓
44	+51°	2130	16	40.2	+51	48.7	7.3	✓
45	+52°	1994	16	40.5	+52	11.0	8.0	✓
✓ 46	+53°	1902	16	49.2	+53	10.7	8.3	✓
✓ 47	+53°	1897	16	46.0	+53	9.6	7.0	✓
48	+53°	1893	16	42.7	+53	3.9	8.5	✓
49	+51°	2125	16	33.3	+51	6.4	7.0	✓
50	+51°	2122	16	33.7	+51	37.7	8.0	✓
51	+52°	1983	16	33.2	+52	02.5	7.8	✓
52	+53°	1876	16	32.8	+53	13.4	5.0	✓
53	+53°	1875	16	32.8	+53	11.2	5.3	✓
54	+52°	1976	16	30.4	+52	31.9	7.0	✓

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I 37609

No.	Dist.	Class	Remark
55	3	K5	
56	7	K5	
57	2	K0	
58	4	F5	
59	8	K0	
60	4	K0	
61	5	K0	
62	7	F0	
63	6	A3	
64	8	B8	E
65	3	K5	E
66	8	A	E
67	2	G	E
68	3	F8	
69	9	A0	
70	3	A2	
71	2	K0	
72	3	F5	
73	2	F8	
74	8	K0	
75	5	K0	
76	1	K0	
77	1	K0	
78	2	K0	
79	5	F8	
80	3	F5	
81	2	K5	

55	+51°	2315	16	30.4	+51	16.1	7.5 ✓
56	+50°	2305	16	29.1	+50	26.4	6.8 ✓
57	+51°	2112	16	27.6	+51	26.5	8.0 ✓
58	+51°	2107	16	25.4	+51	5.4	7.7 ✓
59	+51°	2106	16	25.0	+51	45.4	6.2 ✓
60	+52°	1968	16	25.1	+52	5.0	7.2 ✓
61	+51°	2105	16	24.4	+51	54.1	7.3 ✓
62	+51°	2097	16	21.8	+51	28.1	7.0 ✓
63	+52°	1965	16	21.3	+52	3.6	6.9 ✓
64	+52°	1964	16	20.8	+52	37.4	6.6 ✓
65	+51°	2082	16	17.4	+51	51.4	8.0 ✓
66	+58°	~~2082~~ 1960	16	17.7	+52	~~51.4~~ 23.1	~~8.4~~ 6.8 ✓
67	+51°	2076	16	16.0	+51	58.1	8.4 ✓
68	+49°	2516	16	26.8	+49	31.0	8.7 ✓
69	+49°	2514	16	26.1	+49	17.6	5.8 ✓
70	+49°	2513	16	25.4	+49	35.5	8.5 ✓
71	+49°	2512	16	24.9	+49	17.7	8.0 ✓
72	+48°	2401	16	22.8	+48	50.4	8.4 ✓
73	+49°	2504	16	22.2	+49	0.5	8.7 ✓
74	+48°	2400	16	22.4	+48	16.8	6.5 ✓
75	+47°	2344	16	23.4	+47	38.8	7.5 ✓
76	+47°	2340	16	21.3	+47	54.6	8.5 ✓
77	+48°	2398	16	21.0	+48	33.3	8.4 ✓
78	+48°	2396	16	19.4	+48	22.3	8.4 ✓
79	+47°	2334	16	19.0	+47	57.5	7.3 ✓
80	+50°	2293	16	23.3	+50	17.2	8.5 ✓
81	+50°	2288	16	21.9	+50	38.0	8.0 ✓

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No.	Dec.	Class	Remark
82	4	G5	
83	2	K0	
84	1	F8	
85	5	G0	E
86	8	K0	E
87	2	G	
87a	2	~~F8~~	~~F8 sp~~ Uncertain Superposed on 87a
88	1	K	
89	1	F8	
90	10	A2	
91	5	A2	
92	1	K2	
93	5	F0	
94	2	F0	
95	3	F5	
96	8	F8	
97	1	K	
98	5	A3	
99	3	K2	
100	6	K0	
101	8	K0	
102	2	F8	
103	8	G0	
104	3	K0	
105	5	K0	
106	5	F8	
107	2	K0	
108	4	G	E

82	+50°	2287	16	21.2	+50	47.0	7.6 ✓
83	+50°	2285	16	20.1	+50	32.2	8.0 ✓
84	+50°	2282	16	19.2	+50	40.9	7.5 ✓
85	+49°	2493	16	16.3	+49	24.2	8.0 ✓
86	+49°	2491	16	15.1	+49	23.0	6.0 ✓
87	+48°	2430	16	38.7	+48	46.8	8.2 ✓
87a	+48°	2429	16	38.7	+48	40.2	8.1 ✓
88	+49°	2535	16	36.7	+49	26.8	8.6 ✓
89	+49°	2533	16	35.9	+49	31.0	8.9 ✓
90	+49°	2531	16	34.8	+49	18.1	5.0 ✓
91	+49°	2530	16	34.6	+49	8.8	7.3 ✓
92	+49°	2525	16	31.6	+49	22.5	8.7 ✓
93	+48°	2413	16	31.1	+48	42.2	7.5 ✓
94	+48°	2411	16	29.6	+48	11.4	8.5 ✓
95	+48°	2408	16	26.3	+48	6.4	8.5 ✓
96	+48°	2407	16	26.2	+48	15.4	6.8 ✓
97	+48°	2406	16	24.9	+48	32.3	8.4 ✓
98	+47°	2435	17	4.8	+47	50.3	7.9 ✓
99	+47°	2428	17	2.9	+47	51.8	7.6 ✓
100	+48°	2481	17	3.5	+48	35.5	6.5 ✓
101	+49°	2483	17	1.0	+49	1.0	5.8 ✓
102	+48°	2474	17	0.4	+48	11.6	8.3 ✓
103	+47°	2420	16	58.5	+47	15.3	6.6 ✓
104	+47°	2426	17	1.0	+47	10.2	7.5 ✓
105	+46°	2260	16	1.3	+46	38.2	6.8 ✓
106	+46°	2258	16	59.9	+46	18.5	7.8 ✓
107	+46°	2257	16	59.5	+46	12.1	7.5 ✓
108	+45°	2491	17	1.8	+45	12.3	8.2 ✓

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No.	Int.	Class	Remarks
109	2	G	E
110	4	Ko	E
111	9	A	E
112	4	G5	E
113	7	F8	
114	2	K5	
115	4	A2	
116	2	F5	
117	4	G	Focus poor
118	3	G5	
119	2	G	
120	4	Ko	
121	5	Ko	
~~122~~	4	G	
123	4	F	
124	3	A0	Partly superposed on 123
125	9	A2	Line 4178 - 3194077 strong.
126	3	F8	
127	3	F0	
128	3	M	
129	9	A2	
130	2	K	
131	1	G	
132	9	Ko	
133	6	K2	
134	2	A5	
135	10+	A0	

109	+45°	2488	17	0.6	+45	25.2	8.3 ✓
110	+45°	2487	16	57.7	+45	39.2	7.8 ✓
111	+44°	2652	17	0.7	+44	0.7	6.5 ✓
112	+44°	2646	16	58.4	+44	50.9	7.8 ✓
113	+45°	2480	16	56.3	+45	59.6	7.2 ✓
114	+46°	2253	16	56.9	+46	28.5	7.8 ✓
115	+47°	2419	16	56.3	+47	5.2	7.5 ✓
116	+46°	2251	16	55.7	+46	13.5	8.8 ✓
117	+46°	2246	16	54.2	+46	9.5	8.5 ✓
118	+47°	2412	16	53.7	+47	3.3	8.3 ✓
119	+47°	2414	16	53.9	+47	18.7	8.3 ✓
120	+47°	2415	16	53.9	+47	33.9	8.0 ✓
121	+47°	2411	16	53.7	+47	33.5	8.0 ✓
122	+47°	2410	16	53.4	+47	19.7	8.4 ✓
123	+46°	2243	16	53.3	+46	56.8	8.5 ✓
124	+46°	2244	16	53.4	+46	58.5	9.0 ✓
125	+47°	2407	16	52.1	+47	35.5	7.2 ✓
126	+47°	2406	16	51.7	+47	49.3	8.2 ✓
127	+47°	2404	16	51.0	+47	8.8	8.4 ✓
128	+46°	2237	16	50.8	+46	30.4	8.0 ✓
129	+46°	2234	16	50.2	+46	46.5	7.0 ✓
130	+47°	2401	16	50.1	+47	28.3	8.8 ✓
131	+47°	2402	16	50.2	+47	41.8	8.8 ✓
132	+47°	2400	16	49.3	+47	38.7	6.3 ✓
133	+46°	2223	16	45.8	+46	54.5	7.0 ✓
134	+47°	2388	16	45.4	+47	20.8	8.3 ✓
135	+46°	2220	16	45.0	+46	13.9	5.0 ✓

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No.	Int.	Chan.	Remarks
136	1	G	
137	2	G0	
138	4	K0	
139	4	B9	
140	3	A2	
141	4	F8	
142	2	K	
143	2	K	
144	5	K0	
145	3	K0	
146	3	G5	
147	2	G5	Partly superposed on 148
148	9	K0	
149	4	F5	
150	3	F5	
151	10	A0	
152	6	F5	
153	2	A3	Focus poor.
154	2	K	
155	8	A0	
156	5	G5	
157	8	F5	
158	4	G5	
159	5	K	E
160	10+	B	E
161	2	K	E
162	4	G5	E

136	+46°	2219	16	44.9	+46	27.8	8.8 ✓
137	+46°	2213	16	43.2	+46	31.2	8.8 ✓
138	+46°	2211	16	41.6	+46	18.8	7.0 ✓
139	+46°	2209	16	40.1	+46	31.2	7.8 ✓
140	+46°	2207	16	39.8	+46	36.2	8.0 ✓
141	+47°	2367	16	37.2	+47	44.0	8.0 ✓
142	+48°	2426	16	36.8	+48	15.9	8.4 ✓
143	+47°	2372	16	38.4	+47	20.5	8.7 ✓
144	+46°	2199	16	34.3	+46	41.2	8.0 ✓
145	+47°	2362	16	33.6	+47	56.5	8.0 ✓
146	+46°	2195	16	32.1	+46	54.6	8.5 ✓
147	+47°	2359	16	32.0	+47	6.6	8.3 ✓
148	+46°	2194	16	32.0	+46	55.1	6.0 ✓
149	+47°	2354	16	29.7	+47	33.4	8.2 ✓
150	+46°	2189	16	29.3	+46	50.2	7.8 ✓
151	+45°	2422	16	27.4	+45	56.0	5.7 ✓
152	+44°	2585	16	27.4	+44	34.2	7.9 ✓
153	+45°	2411	16	23.4	+45	35.6	8.5 ✓
154	+45°	2409	16	22.8	+45	42.7	8.5 ✓
155	+45°	2408	16	22.4	+45	16.8	7.3 ✓
156	+45°	2404	16	20.9	+45	43.1	7.1 ✓
157	+45°	2400	16	20.3	+45	1.8	7.0 ✓
158	+46°	2174	16	19.9	+46	15.9	8.0 ✓
159	+45°	2394	16	16.1	+45	54.5	7.0 ✓
160	+46°	2169	16	15.4	+46	41.7	3.5 ✓
161	+43°	2479	16	55.8	+43	58.9	8.7 ✓
162	+44°	2636	16	54.1	+44	12.8	8.2 ✓

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No.	Int.	Class	Remark
163	6	G5	E
164	5	K0	E
165	2	A	
166	3	G5	
167	6	F5	E
168	3	K	Difficult
~~168a~~			
169	3	G0	
170	8	K0	
171	8	K2	
172	3	K0	
173	3	G5	
Time 1.40 174	8	A2	
175	1	K0	
176			

163	+43°	2668	16	52.9	+43	53.5	7.3	✓
164	+44°	2625	16	49.2	+44	1.0	7.3	✓
165	+44°	2627	16	49.5	+44	37.8	8.9	✓
166	+44°	2623	16	48.6	+44	37.5	8.2	✓
167	+44°	2619	16	46.8	+44	24.6	7.7	✓
~~168~~	~~+48°~~	~~2654~~	~~16~~	~~45.2~~	~~+43~~	~~41.0~~	~~6.5~~	
168	+45°	0459	16	47.7	+45	50.7	8.3	+45° 2460 Interpolated ✓
169	+45°	2453	16	44.6	+45	28.1	8.4	✓
170	+48°	2654	16	45.2	+43	41.0	6.5	✓
171	+43°	2642	16	40.6	+43	28.6	6.0	✓
172	+44°	2610	16	40.7	+44	23.0	8.2	✓
173	+44°	2598	16	36.0	+44	18.4	8.2	✓
174	+43°	2624	16	33.0	+43	51.9	7.5	✓

Identified by A.M.C. June 5, 1912

Checked by J.C.M. June 20, 1912.

175	+49°	2586	17	2.8	+49	23	8.5 ✓

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