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March 19, 1912

Time 23.11

B 3822.9 short disp.

No.	Class	Intl	Remark
1	F5	7	
2	F	7	Focus poor
3	F5	4	
4	K0	2	
5	F5	3	
6	G	10	Burned out.
7	G0	4	
8	G5	8	
9	A	8	
10	G5	28	
11	G0	6	
12	G0	3	
13	F8	7	
14	G0	4	
15	K2	2	
16	F5	4	
17	G5	1	
18	G0	4	
19	G0	5	
20	G	2	
21	K0	5	
22	G5	8	
23	G	2	
24	G0	4	
25	K0	2	
26	F5	3	
27	A	3	

1	-68°	3577	23	35.0	-68	27.8	7.9	✓
2	-68°	3582	23	40.6	-68	24.9	8.1	✓
3	-68°	3583	23	41.7	-68	2.3	8.8	✓
4	-68°	3580	23	39.7	-68	44.9	9.2	✓
5	-68°	3581	23	40.5	-68	53.7	9.0	✓
6	-69°	3335	23	40.5	-69	5.2	7.4	✓
7	-68°	3584	23	42.7	-68	38.0	8.8	✓
8	-68°	3585	23	45.9	-68	43.0	8.1	✓
9	-69°	3337	23	46.6	-69	2.5	8.7	✓
10	-68°	3587	23	49.4	-68	45.2	9.3	✓
11	-68°	3589	23	50.4	-68	17.5	8.5	✓
12	-68°	3590	23	51.4	-68	46.1	8.9	✓
13	-69°	3344	23	54.8	-69	4.1	8.4	✓
14	-68°	3591	23	56.3	-68	47.9	8.8	✓
15	-68°	3594	23	55.6	-68	58.1	9.4	✓
16	-69°	3346	23	57.3	-69	23.2	9.0	✓
17	~~-67°~~	~~3348~~	23	59.6	-69	14.6	9.3	✓
18	-69°	3347	23	58.4	-69	32.2	9.1	✓
19	-69°	3349	23	59.6	-69	30.3	8.8	✓
20	-69°	3348	23	59.6	-69	14.6	9.3	✓
21	-68°	3597	23	59.0	-68	30.7	9.0	✓
22	-68°	3598	23	59.1	-68	39.2	7.9	✓
23	-68°	3599	23	59.8	-68	51.2	9.3	✓
24	-67°	6	0	3.4	-67	54.0	9.2	✓
25	-68°	1	0	3.6	-68	8.8	9.4	✓
26	-68°	2	0	4.0	-68	1.0	9.2	✓
27	-69°	1	0	4.6	-69	14.5	9.3	✓

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March 19, 1912

B 3833.9 short disp.

No.	Class	Int.	Remark
28	fy5	3	
29	A2	8	
30	F	2	
31	F5	4	
32	F2	3	
33	fy0	3	
34	F5	4	
35	K0	5	
36	K0	7	
37	K0	2	
38	K0	8	
39	F5	8	
40	K0	2	
41	K2	2	
42	fy0	6	
43	A3	7	
44	K5	2	
45	fy5	5	
46	fy0	5	
47	F8	5	
48	fy5	3	
49	F	2	
50	F2	3	
51	B8	9	Burned out.
52	K	8	E.
53	F5	6	Trans. post
54	F5	10	" "

28	-68°	3	0	7.5	-68	53.6	9.3	✓
29	-68°	4	0	10.0	-68	36.6	8.1	✓
30	-68°	5	0	11.2	-68	9.1	9.2	✓
31	-67°	18	0	11.8	-67	50.4	8.9	✓
32	-68°	6	0	12.0	-68	11.6	9.2	✓
33	-68°	7	0	13.2	-68	16.0	9.2	✓
34	-68°	8	0	13.6	-68	4.9	8.8	✓
35	-67°	21	0	15.1	-67	36.8	9.2	✓
36	-68°	9	0	16.5	-68	19.2	8.5	✓
37	-68°	10	0	17.9	-68	24.4	9.3	✓
38	-68°	11	0	19.8	-68	26.2	8.6	✓
39	-68°	13	0	21.1	-68	24.9	8.3	✓
40	-68°	12	0	20.7	-68	52.2	9.3	✓
41	Approx.	1875	0	8.1	-69	19 ~~80.5~~		✓
42	-69°	3 ~~2~~	0	9.0 ~~8.2~~	-69	13.6 ~~36.8~~	8.4 ~~7.6~~	✓
43	-69°	2	0	8.2	-69	36.8	7.6	✓
44	-69°	4	0	9.2	-69	32.5	9.3	✓
45	-69°	6	0	12.9	-69	15.8	8.7	✓
46	-69°	5	0	12.1	-69	45.2	8.6	✓
47	-69°	7	0	13.7	-69	47.8	8.4	✓
48	-69°	8	0	14.4	-69	35.8	9.3	✓
49	-69°	9	0	15.4	-69	14.4	9.4	✓
50	-69°	10	0	17.1	-69	21.2	9.2	✓
51	-70°	12	0	14.8	-70	19.1	5.6	✓
52	-66°	3787	23	32.6	-66	56.8	8.0	✓
53	-67°	3980	23	39.1	-67	32.7	8.2	✓
54	-67°	3981	23	41.1	-67	15.8	7.1	✓

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March 19, 1912

B 38229 short disp.

No.	Class	Int.	Remark
55	F5	9	Focus poor.
56	F2	9	
57	Ly5	4	
58	K	2	
59	Ly	9	
60	Ly	2	
61	Ly0	4	
62	Ly5	3	
63	F5	8	
64	F5	3	
65	F8	8	
66	A5	3	Maybe F
67	F0	4	
68	Ly0	7	
69	K0	3	
70	A	10+	Burned out.
71	K0	2	
72	Ly5	4	
73	K0	4	
74	Ly0	3	
75	Ly5	6	
76	Ly5	8	
77	Ly	1	
78	Ly5	4	
79	Ly	1	
80	Ly0	2	
81	Ly0	4	

55	-66°	3799	23	42.6	-66	57.0	7.7	∨
56	-66°	3801	23	43.1	-66	20.0	7.4	∨
57	-66°	3803	23	44.4	-66	0.8	8.6	∫
58	-65°	4178	23	46.3	-65	49.4	9.1	✓
59	-66°	3810	23	47.0	-66	38.7	7.4	∫
60	-67°	3985	23	45.5	-67	21.0	9.4	∫
61	-67°	3986	23	46.5	-67	20.4	8.8	∫
62	-67°	3988 (7)	23	48.6 (8 2)	-67	~~22.8~~ 56.1 (3)	9.6	∫
63	-67°	3991	23	51.3	-67	42.1	7.4	∨
64	-67°	3994	23	53.0	-67	40.6	9.2	∫
65	-67°	3997	23	54.1	-67	22.6	7.7	∨
66	-66°	3813	23	48.7	-66	55.4	9.1	∫
67	-66°	3815	23	49.9	-66	27.9	9.0	∨
68	-66°	3817	23	51.0	-66	28.2	8.3	∨
69	-66°	3818	23	52.8	-66	13.1	9.0	∨
70	-66°	3819	23	53.4	-66	16.2	4.4	∫
71	-66°	3821	23	54.4	-66	20.5	9.6	∨
72	-66°	3822	23	57.1	-66	31.3	9.0	∫
73	-66°	3825 (4)	23	58.9	-66	2.9	9.1	∫
74	-66°	1	0	1.3	-66	16.8	9.2	∨
75	-66°	6	0	3.7	-66	3.2	8.4	✓
76	-66°	2	0	1.4	-66	37.5	7.9	∨
77	-66°	4	0	2.6	-66	30.3	9.6	∨
78	-66°	5	0	3.3	-66	43.4	8.6	∫
79	-66°	7	0	3.8	-66	38.5	9.6	∨
80	-67°	4000	23	59.3	-67	12.1	9.5	∨
81	-67°	3	0	2.3	-67	7.0	9.1	∫

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See ~~note~~ page 22.

82	lyo	4	82
83	lyo	5	83
84	lyo	3	84
85	lyo	3	85

Note: This book was started as a record of the observations, and data for one night (the night of 1908 Dec. 31 - 1909 Jan. 1) was accidentally written in this book. The error was discovered by me on the night of 1909 Jan. 2. [illegible]

→ Pages 9-20 have been destroyed as duplicate book was started and completed

c

Gone

See ~~note~~ page ~~##~~ 22

82	lyo	4	82
83	lyo	5	83
84	ly5	3	84
85	lyo	3	85

1

No star brighter than 12.0 [illegible] note, Both

16

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c

Gone

See ~~next~~ page 22

82 Lyo 4 82

83 Lyo 5 83

84 Lyo 3 84

85 Lyo 3 85

d.

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L Zone

See ~~note~~ page ~~##~~ 22

82	lyo	4	82
83	lyo	5	83
84	lyS	3	84
85	lyo	3	85

14

15

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See ~~note~~ page 22

82	lyo	4	82
83	lyo	5	83
84	lyo	3	84
85	lyo	3	85

b.

Gone

10

Sth. Ly Clds.

1

ines

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See ~~next~~ page 22.

82	40	4	82
83	40	5	83
84	45	3	84
85	40	3	85

2 e

Zone

5

1½

1

Have found
cross with dow
See note Book I
p. 97

Zone – 49
10

11

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f

See ~~next~~ page 22

82	Lyo	4	82
83	Lyo	5	83
84	Lyδ	3	84
85	Lyo	3	85

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March 19, 1917

B38229 short disp.

No.	Class	Int.	Remark.
82	Ly0	4	
83	Ly0	5	
84	Ly5	3	
85	Ly0	3	
86	Ly	2	
87	Ly5	2	
88	Ly5	3	
89	K0	4	
90	Ly5	3	
91	~~Ly5~~ K0	3	
92	F8	5	
93	K0	6	
94	F5	6	
95	Ly0	6	
96	F5	4	
97	Bq	9	
98	Ly5	6	
99	F	1	
100	F8	2	
101	Ly0	3	
102	A	6	Maybe A2
103	K0	3	
104	A	4	
105	F	3	
106	Ly5	3	
107	F5	3	
108	F8	3	Focus poor.

82	-67°	2	0	2.2	-67	12.5	9.1	✓
83	-67°	1	0	1.4	-67	35.5	8.8	✓
84	-67°	4	0	2.5	-67	27.2	9.1	✓
85	-67°	7	0	4.1	-67	3.6	9.1	✓
86	-67°	3592	23	55.4	-68	4.0	9.4	✓
87	Uranus (1875)		23	55.5 30.	-68	14.4		✓
88	-68°	3595	23	56.2	-68	19.9	9.4	✓
89	-66°	9	0	7.4	-66	38.2	9.2	✓
90	-66°	14	0	10.9	-66	19.8	9.6	✓
91	-66°	15	0	11.5	-66	21.3	9.2	✓
92	-67°	13	0	9.8	-67	37.1	8.2	✓
93	-67°	15	0	10.5	-67	23.1	8.2	✓
94	-67°	16	0	11.4	-67	15.7	8.2	✓
95	-67°	17	0	11.8	-67	3.3	7.9	✓
96	-67°	22	0	15.4	-67	5.5	8.7	✓
97	-66°	22	0	15.7	-66	59.9	7.2	✓
98	-66°	21	0	15.6	-66	26.7	8.0	✓
99	-68°	24	0	17.1	-67	12.3	9.6	✓
100	-67°	27	0	19.0	-67	10.2	9.1	✓
101	-66°	29	0	22.3	-66	52.5	9.0	✓
102	-66°	31	0	22.5	-66	36.2	8.2	✓
103	-66°	33	0	24.3	-66	51.2	9.4	✓
104	-66°	36	0	27.0	-66	47.0	9.4	✓
105	-67°	32	0	24.8	-67	37.7	9.4	✓
106	-68°	38	0	28.3	-68	36.4 52.5	9.8	✓
107	-67°	36	0	27.9	-67	27.2	9.2	✓
108	-67°	41	0	29.6	-67	29.2	9.2	✓

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March 19, 1912.

B 3822 9 short disp.

No.	Class	Int.	Remark
109	Bq	7	
110	A0	10	
111	ly	3	Partly superposed on 110
112	ly0	4	
113	F5	7	
114	Ma	4	
115	K0	3	
116	K0	2	
117	K2	3	
118	F5	2	
119	F5	8	
120	A	2	
121	K0	2	
122	A0	5	
123	F	2	
124	K0	2	
125	F5	3	
126	K0	3	
127	ly	10+	
128	ly0	4	
129	F8	6	
130	F5	4	
131	K	1	
132	ly	2	
133	K0	2	
134	ly0	3 4	
135	ly5	3	

109	-65°	4175	23	45.0	-65	29.9	8.0 √	^
110	-64°	4391	23	51.0	-64	59.6	4.7 /	^
111	-64°	4390	23	50.8	-64	56.3	9.1 √	^
112	-65°	4188	23	53.4	-65	4.4	9.1 √	^
113	-65°	4188 90	23	54.2 53.4	-65	9.8 4.4	8.4 9.1 √	^
114	-65°	4192	23	55.2	-65	27.4	9.1 √	^
115	-65°	4193	23	55.6	-65	32.4	9.2 √	^
116	-65°	4194	23	56.5	-65	6.9	9.6 √	
117	-65°	4195	23	56.9	-65	10.4	9.5 /	
118	-64°	4399	23	58.2	-64	52.5	9.5 /	
119	-64°	4404	23	59.9	-64	56.2	8.2 √	
120	-65°	4199	23	59.7	-65	8.7	9.6 √	
121	-64°	4	0	4.1	-64	58.8	9.8 √	
122	-64°	7	0	6.3	-64	58.0	9.2 √	
123	-65°	4	0	7.7	-65	27.4	9.5 √	
124	-65°	5	0	7.7	-65	57.0	9.5 √	
125	-65°	7	0	10.8	-65	24.6	9.0 √	
126	-65°	9	0	12.2	-65	45.5	9.4 √	
127	-65°	13	0	13.6	-65	36.3	5.1 /	
128	-65°	16	0	15.0	-65	48.4	8.5 √	
129	-65°	20	0	17.2	-65	48.8	7.9 √	
130	-66°	26	0	19.3	-66	5.5	8.0 √	
131	-65°	21	0	18.8	-65	34.5	9.6 √	
132	-65°	23	0	19.3	-65	27.8	9.6 √	
133	-65°	24	0	19.4	-65	31.9	9.6 √	
134	-65°	26	0	19.6	-65	31.9	9.1 √	
135	-65°	28	0	20.0	-65	38.0	9.4	

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March 19, 1912

B 38229 short disp.

No.	Class	Int.	Remark.
136	ly	9	Another star superposed?
137	A5	8	
138	ly0	4	
139	ly0	2	
140	F2	3	
141	ly5	8	
142	K0	2	
143	F8	2	
144	F8	1	
145	A0	7	
146	ly5	7	
147	F8	4	
148	F8	2	
149	A2	5	
150	K0	2	
151	K0	3	
152	F8	8	
153	F5	4	
154	F8	9	
155	ly5	2	
156	ly	9	E.
157	F5	5	E.
158	F2	4	E.
Time 0.00 159	ly5	7	
" 0.13 160	ly5	5	
161	K0	4	
162	K0	4	

136	-65°	29	0	21.0	-65	18.0	9.5 ✓
137	-65°	35	0	22.6	-65	25.3	7.8 ✓
138	-65°	39	0	23.5	-65	57.0	9.0 ✓
139	-65°	48	0	26.2	-65	54.6	9.4 ✓
140	-65°	53	0	28.2	-65	32.0	9.4 ✓
141	-65°	58	0	31.1	-65	48.8	7.8 ✓
142	-65°	56	0	30.8	-65	28.0	9.6 ✓
143	-66°	60	0	31.4	-65	33.3	9.4 ✓
144	-65°	62	0	32.5	-65	40.0	9.8 ✓
145	-65°	68	0	36.3	-65	11.8	8.2 ✓
146	-65°	73	0	38.0	-65	30.2	8.6 ✓
147	-65°	75	0	38.2	-65	44.2	9.0 ✓
148	-65°	77	0	38.6	-65	12.4	9.4 ✓
149	-64°	67	0	36.3	-64	37.5	9.0 ✓
150	-64°	68	0	37.2	-64	24.5	9.6 ✓
151	-64°	71	0	39.4	-64	38.6	9.4 ✓
152	-64°	81	0	45.2	-64	44.9	8.3 ✓
153	-64°	83	0	46.3	-64	22.5	8.8 ✓
154	-64°	84	0	47.4	-64	25.3	7.3 ✓
155	-64°	86	0	47.9	-64	50.5	9.0 ✓
156	-64°	91	0	51.2	-64	38.4	7.7 ✓
157	-64°	93	0	51.7	-64	45.1	8.3 ✓
158	-64°	95	0	52.6	-64	34.1	8.6 ✓
159	-64°	96	0	52.8	-64	27.0	8.4 ✓
160	-64°	102	0	55.8	-64	58.3	8.7 ✓
161	-64°	103	0	56.5	-64	53.6	9.2 ✓
162	-64°	107	0	57.8	-64	39.4	8.9 ✓

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March 20, 1912

B 3822.4 short diff.

No.	Class	Int.	Remark
163	g5	5	
164	Nb	4	
165	g5	2	
166	A	2	
167	F8	4	The northern of two.
168	K	1	
169	g5	2	
170	K0	3	
171	F8	5	
172	g5	3	
173	g5	2	
174	g5	5	
175	K5	4	
176	A	3	
177	K	2	
178	F8	2	
179	g0	4	
180	g0	3	
181	g0	2	
182	F5	3	
183	F0	4	
184	F8	2	
185	A0	2	
186	F5	3	
187	g5	3	

Time 0.20

Cent. in 102, 188

163	-64°	109	0	59.1	-64	48.8	9.0	✓
164	-65°	108	0	58.4	-65	2.1	9.5	✓
165	-65°	4177	23	46.3	-65	11.1	9.4	✓
166	-64°	4386	23	48.1	-64	49.4	9.6	✓
167	-65°	4183	23	49.8	-65	22.1	9.6	✓
168	-65°	4186	23	52.9	-65	37.3	9.8	✓
169	-65°	4197	23	58.1	-65	33.4	9.8	✓
170	-64°	8	0	8.6	-64	52.3	9.6	✓
171	-64°	12	0	10.3	-64	44.0	9.1	✓
172	-64°	13	0	10.6	-64	33.1	9.6	✓
173	-64°	10	0	9.7	-64	26.2	10.0	✓
174	-65°	17	0	15.8	-65	4.0	9.1	✓
175	-64°	22	0	16.0	-64	53.3	9.5	✓
176	-64°	24	0	16.8	-64	44.5	9.6	✓
177	-64°	37	0	24.2	-64	54.0	10.2	✓
178	-65°	42	0	24.8	-65	3.6	9.8	✓
179	-64°	39	0	25.5	-64	59.1	9.5	✓
180	-64°	52	0	30.0	-64	56.7	9.8	✓
181	-64°	54	0	30.1	-64	56.0	10.0	✓
182	-65°	59	0	31.3	-65	11.5	9.6	✓
183	-64°	58	0	31.7	-64	30.5	9.4	✓
184	-64°	60	0	32.8	-64	45.9	9.6	✓
185	-64°	63	0	34.7	-64	47.5	10.0	✓
186	-64°	76	0	42.1	-64	33.7	9.6	✓
187	-64°	80	0	44.6	-64	26.0	9.8	✓

Identified March 25, 1912 J. C. M.

stars checked thus "1" were done by A. D. W. May 7 1912

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March 25, 1912

Time 2.50

B 12082 Short disp

No.	Class	Dist.	Remarks
1	F8	5	E
2	F0	9	E
3	A5	3	E
4	F	5	E
5	A3	4	E
6	A5	2	
7	F2	8	
8	A	2	Difficult
9	K0	5	
10	A	3	
11	K2	5	
12	A0	3	
13	K2	2	
14	M5	4	
15	B9	6	
16	F8	3	
17	B5	2	
18	F2	6	
19	F5	5	
20	G	2	
21	K2	2	
22	K0	6	
23	G	2	
24	A3	5	
25	M5	2	
26	A2	5	
27	K2	3	

1	-66°	3799	23	42.6	-66	57.0	7.7	✓
2	-67°	3981	23	41.1	-67	15.8	7.1	✓
3	-67°	3980	23	39.1	-67	32.7	8.2	✓
4	-68°	3577	23	35.0	-68	27.8	7.9	✓
5	-68°	3582	23	40.6	-68	24.9	8.1	✓
6	-68°	3581	23	40.5	-68	53.7	9.0	✓
7	-69°	3335	23	40.5	-69	5.2	7.4	✓
8	-68°	3584	23	42.7	-68	38.0	8.8	✓
9	-68°	3585	23	45.9	-68	43.0	8.1	✓
10	-69°	3337	23	46.6	-69	2.5	8.7	✓
11	-69°	3336	23	43.7	-69	47.1	8.4	✓
12	-70°	3025	23	48.2	-70	25.9	8.6	✓
13	-70°	3032	23	52.5	-70	21.0	8.8	✓
14	-70°	3034	23	54.2	-70	22.1	8.8	✓
15	-69°	3345	23	55.6	-69	58.0	8.3	✓
16	-69°	3344	23	54.8	-69	4.1	8.4	✓
17	-68°	3589	23	50.4	-68	17.5	8.5	✓
18	-67°	3991	23	51.3	-67	42.1	7.4	✓
19	-67°	3997	23	54.1	-67	22.6	7.7	✓
20	-68°	3591	23	55.3	-68	47.9	8.8	✓
21	-68°	3597	23	59.0	-68	30.7	9.0	✓
22	-68°	3598	23	59.1	-68	39.2	7.9	✓
23	-69°	3349	23	59.6	-69	30.3	8.8	✓
24	-69°	2	0	8.2	-69	36.8	7.6	✓
25	-69°	3	0	9.0	-69	13.6	8.4	✓
26	-68°	4	0	10.0	-68	35.6	8.1	✓
27	-68°	9	0	16.5	-68	19.2	8.5	✓

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March 20, 1912 (Contd.)

B 12082

No.	Class	Int.	Remarks
28	A	8	E
29	K5	3	
30	F5	3	
31	K0	3	
32	K0	2	
33	K5	2	
34	K0	3	
35	K0	3	
36	A0	10	
37	K0	3	
38	A2	6	
39	K0	2	
40	A3	9	
41	F8	2	
42	A	8	Ms bright lines.
43	F5	4	
44	F8 K	4	
45	K5	5	
46	K	5	E
47	K0	4	
48	K	3	
49	K5	5	
50	K5	7	
51	A2	4	
52	K0	5	
53	F5	5	
54	K5	4	

28	-67°	22	0	15.4	-67	5.6	8.7	✓
29	-67°	17	0	11.8	-67	3.3	7.9	✓
30	-67°	16	0	11.4	-67	15.7	8.2	✓
31	-67°	15	0	10.5	-67	23.1	8.2	✓
32	-67°	13	0	9.8	-68	37.1	8.2	✓
33	-69°	6	0	12.9	-69	15.8	8.7	✓
34	-69°	5	0	12.1	-69	45.2	8.6	✓
35	-69°	7	0	13.7	-69	47.8	8.4	✓
36	-70°	12	0	14.8	-70	19.1	5.6	✓
37	-70°	9	0	11.7	-70	34.3	8.0	✓
38	-71°	4	0	10.5	-71	5.3	7.2	✓
39	-71°	5	0	13.6	-71	21.2	8.5	✓
40	-71°	20	0	28.1	-71	57.3	6.6	✓
41	-72°	41	0	22.2	-72	34.4	8.1	✓
42	-72°	35	0	18.6	-72	46.4	mb.	✓
43	-72°	34	0	18.4	-72	56.9	8.4	✓
44	-69°	3329	23	32.4	-69	53.1	8.1	✓
45	-70°	3015	23	34.9	-70	7.9	8.1	✓
46	-71°	2765	23	27.1	-71	39.3	7.6	✓
47	-71°	2767	23	30.8	-71	35.7	7.9	✓
48	-71°	2769	23	32.8	-71	48.6	8.0	✓
49	-71°	2770	23	36.1	-71	30.7	7.9	✓
50	-71°	2771	23	37.2	-71	11.1	7.0	✓
51	-71°	2774	23	39.4	-71	45.9	7.7	✓
52	-72°	2783	23	40.4	-72	0.1	7.6	✓
53	-71°	2779	23	47.1	-71	22.4	8.2	✓
54	-70°	3038	23	58.6	-70	54.2	8.3	✓

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March 22, 1912 (Cont.)

B 120821

No.	Class	Dot.	Remark
55	K5	5	
56	F2	4	
57	K2	2	
58	B9	10	
Time 3.04 59	K	1	
" 21.50 60	G	1	
61	F5	2	
62	A5	9	Maybe comp. Look up.
63	G5	3	
64	G	2	
65	K0	8	
66	F5	7	
67	F2	8	
68	F5	4	
69	F5	7	
70	F	3	
Time 21.53.			
71	8	A0	

55	-71°	2786	23	58.3	-71	5.9	8.2	✓
56	-71°	2787	23	58.6	-71	11.1	8.4	✓
57	-71°	1	0	0.5	-71	17.0	9.0	✓
58	-72°	2800	23	58.3	-72	7.8	5.2	✓
59	-72°	11	0	7.1	-72	13.1	9.2	✓
60	-72°	14	0	8.2	-72	9.8	8.9	✓
61	-72°	8	0	5.5	-72	58.2	8.6	✓
62	-73°	4	0	4.5	-73	56.4	6.9	✓
63	-73°	19	0	17.0	-73	43.5	8.6	✓
64	-73°	24	0	19.5	-73	18.6	9.0	✓
65	-73°	2294	23	32.2	-73	23.4	7.4	✓
66	-73°	2313	23	40.0	-73	47.5	7.7	✓
67	-73°	2324	23	46.0	-73	5.8	7.4	✓
68	-73°	2336	23	58.2	-73	1.0	8.4	✓
69	-73°	2346	23	58.2	-73	35.6	7.6	✓
70	-73°	2334	23	51.8	-73	58.1	8.9	✓

Ident. by J. C. M. March 22, 1912

Checked by A.M.C. April 12, 1912

✓ 71	-73	42	0	338	-73	58	6.9	Ms. Lon B23772

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March 20 1912

B 28773 shot diffs.

Time 21.55

No.	Class	Int.	Remark
1	fy	4	E.
2	K0	4	
3	fy5	3	
4	A5	9	
5	fy5	4	
6	F0	6	
7	K0	4	
8	F2	8	
9	A5	5	
10	fy0	3	
11	A5	3	
12	K5	3	
13	A2	8	
14	K2	4	
15	F8	3	
16	F8	4	
17	K0	8	
18	F0	5	
19	F2	3	
20	K2	2	
21	K	1	
22	K2	3	
23	A2	7	
24	F2	9	
25	K	1	
26	F8	7	
27	F8	10	*

1	-62°	123	1	28.7	-62	15.8	9.0	✓
2	-63°	120	1	26.4	-63	17.8	9.0	✓
3	-63°	122	1	28.2	-63	29.1	9.1	✓
4	-63°	124	1	29.7	-63	7.1	6.8	✓
5	-62°	127	1	32.9	-62	34.4	8.2	✓
6	-62°	132	1	37.3	-62	37.8	8.2	✓
7	-61°	133	1	38.9	-61	59.6	8.4	✓
8	-62°	139	1	42.5	-62	0.9	7.8	✓
9	-63°	127	1	37.8	-63	55.5	8.7	✓
10	-63°	128	1	39.8	-63	49.8	9.4	✓
11	-64°	135	1	41.7	-64	23.0	9.1	✓
12	-64°	137	1	40.7	-64	13.9	9.1	✓
13	-64°	139	1	45.4	-64	8.3	8.2	✓
14	-64°	140	1	45.9	-64	0.4	8.9	✓
15	-63°	134	1	47.3	-63	51.3	9.1	✓
16	-63°	135	1	47.4	-63	54.4	8.9	✓
17	-63°	132	1	46.5	-63	34.6	8.2	✓
18	-63°	133	1	46.7	-63	26.8	8.6	✓
19	-62°	145	1	45.1	-62	51.0	8.8	✓
20	-62°	146	1	46.6	-62	41.3	9.0	✓
21	-62°	147	1	47.2	-62	56.4	9.2	✓
22	-62°	150	1	49.2	-62	17.9	8.9	✓
23	-63°	137	1	51.7	-63	41.3	8.2	✓
24	-63°	148	1	56.8	-63	2.2	7.8	✓
25	-63°	141	1	56.6	-63	1.6	9.2	✓
26	-63°	144	1	58.5	-63	11.7	8.1	✓
27	-64°	148	1	58.3	-64	13.6	7.4	✓

cards made out

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March 20, 1912

B23 77.3 short disp.

No.	Class	Int.	Remark
28	F5	4	
29	F8	8	
30	A	2	
31	ly0	3	
32	K2	4	
33	ly0	2	
34	K0	2	
35	F8	3	
36	F5	6	
37	ly0	5	
38	ly0	4	
39	ly0	1	
40	F5	8	
41	K0	6	
42	K2	2	
43	A5	8	Focus soon
44	K	1	
45	F5	10+	Burned out
46	F	6	
47	K2	2	
48	F	5	
49	K0	7	
Time: 22.03 50	K0	8	

28	-62°	170	2	0.8	-62	7.1	8.8	J
29	-61°	181	2	3.4	-61	34.9	7.6	J
30	-61°	182	2	3.8	-61	30.4	8.9	J
31	-61°	187	2	6.4	-61	20.9	8.8	J
32	-61°	188	2	6.8	-61	41.2	8.4	J
33	-61°	191	2	7.0	-61	43.9	9.0	J
34	-62°	177	2	5.1	-62	1.8	9.0	J
35	-62°	178	2	5.9	-62	19.9	9.0	J
36	-62°	184	2	8.8	-62	14.5	7.7	J
37	-62°	179	2	6.3	-62	51.3	7.8	J
38	-62°	188	2	14.0	-62	2.1	8.6	J
39	-62°	193	2	16.2	-62	12.7	9.2	J
40	-62°	191	2	16.0	-62	30.9	7.6	J
41	-61°	199	2	16.7	-61	15.3	5.2	J
42	-61°	202	2	18.0	-61	0.1	8.8	J
43	-60°	197	2	18.6	-60	19.7	7.5	J
44	-60°	198	2	18.6	-60	32.8	9.0	J
45	-60°	199	2	21.4	-60	52.4	5.9	J
46	-62°	202	2	21.4	-62	1.7	7.8	J
47	-62°	199	2	20.6	-62	20.0	8.9	J
48	-62°	206	2	24.5	-62	32.7	7.8	J
49	-64°	138	1	44.7	-64	58.5	8.5	J
50	-65°	152	1	46.1	-65	0.4	8.2	V

Identified by J. C. M. May 15, 1912
Checked by AMC. Sept. 19. 1912
cards made out by M. C. W.

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March 20, 1912

Time: 22.20

B 38146 short disp.

No.	Class	Int.	Remark
1	Ko	5	
2	A2	5	
3	Ko	7	
4	Ko	3	
5	ly	8	E.
6	ly0	4	
7	A	6	
8	A	10	
9	ly5	6	
10	ly5	8	
11	Mc	4	
12	ly5	10	
13	ly5	4	
14	ly0	3	
15	F0	4	
16	ly0	5	
17	A	5	
18	Ko	3	
19	ly5	10	
20	ly5	6	
21	Ko	3	
22	Ko	3	
23	ly5	6	
24	K2	7	
25	ly5	8	
26	ly5	9	
27	A5	8	

1	-72°	173	2	19.7	-72	52.8	9.0	✓
2	-72°	177	2	20.9	-72	24.8	8.6	✓
3	-72°	176	2	20.3	-72	14.4	8.2	✓
4	-72°	172	2	19.4	-72	12.2	9.8	✓
5	-72°	166	2	16.4	-72	2.6	8.1	✓
6	-71°	120	2	15.3	-71	47.7	9.2	✓
7	-71°	121	2	15.8	-71	38.7	8.9	✓
8	-71°	122	2	17.1	-71	15.1	8.1	✓
9	-72°	163	2	13.4	-72	6.1	9.0	✓
10	-72°	160	2	12.3	-72	7.2	8.9	✓
11	-72°	155	2	10.0	-72	4.2	10.2	✓
12	-71°	110	2	9.9	-71	32.0	7.5	✓
13	-71°	113	2	11.5	-71	22.4	9.0	✓
14	-71°	116	2	12.8	-71	7.5	9.2	✓
15	-70°	129	2	9.6	-70	35.1	9.5	✓
16	-71°	106	2	3.5	-71	13.5	8.9	✓
17	-72°	153	2	8.0	-72	24.9	8.9	✓
18	-72°	149	2	7.2	-72	14.4	9.8	✓
19	-72°	143	2	3.6	-72	12.2	7.8	✓
20	-73°	145	2	8.4	-73	5.0	8.8	✓
21	-72°	140	2	0.4	-72	58.2	9.8	✓
22	-72°	139	1	59.3	-72	57.7	9.6	✓
23	-73°	124	1	56.3	-73	14.6	8.8	✓
24	-73°	120	1	52.8	-73	6.0	9.0	✓
25	-72°	128	1	51.4	-72	51.9	8.9	✓
26	-72°	126	1	51.8	-72	38.3	8.6	✓
27	-72°	130	1	53.9	-72	13.5	8.0	✓

cards made out

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March 20, 1912

B 38146 short disps.

No.	Class	Int.	Remark
28	F5	4	
29	K0	4	
30	g0	5	
31	g5	5	
32	g5	10	
33	F2	4	
34	F5	6	
35	g5	3	
36	F5	3	
37	A5	7	
38	g0	4	
39	g5	3	
40	K0	2	
41	g5	3	
42	g0	3	
43	F5	6	
44	F5	7	
45	F5	8	
46	A	10	Burned out.
47	g	5	E.
48	F5	3	
49	K0	5	
50	g5	6	
51	g5	5	
52	A5	6	
53	g5	10	
54	F8	7	

28	-72°	133	1	56.4	-72	16.9	9.2	✓
29	-71°	88	1	55.0	-71	44.1	8.9	✓
30	-71°	102	2	1.9	-71	51.1	8.8	✓
31	-71°	99	2	0.5	-71	27.8	9.2	✓
32	-71°	98	2	0.3	-71	1.4	7.6	✓
33	-70°	112	1	57.7	-70	49.8	9.2	✓
34	-70°	110	1	56.8	-70	39.5	8.8	✓
35	-70°	111	1	57.2	-70	25.0	9.8	✓
36	-70°	104	1	54.5	-70	47.2	9.8	✓
37	-70°	101	1	53.7	-70	35.9	8.8	✓
38	-71°	94	1	58.2	-71	18.8	9.6	✓
39	-71°	93	1	57.8	-71	33.9	9.6	✓
40	~~-71°~~	~~109~~ 91	1	56.~~3~~ 0	~~-71~~	~~57.7~~ 3.4	10.~~8~~ 4	✓
41	-71°	87	1	54.7	-71	41.4	10.2	✓
42	-72°	129	1	59.3	-72	6.2	10.1	✓
43	-72°	127	1	58.4	-72	15.9	9.5	✓
44	-72°	121	1	49.2	-72	31.7	9.0	✓
45	-72°	120	1	47.9	-72	34.0	8.6	✓
46	-73°	107	1	47.0	-73	2.0	7.5	✓
47	-73°	105	1	45.8	-73	14.4	8.9	✓
48	-72°	116	1	42.2	-72	44.0	9.5	✓
49	-72°	117	1	43.3	-72	16.1	9.0	✓
50	-72°	114	1	41.2	-72	5.7	9.5	✓
51	-72°	104	1	28.8	-72	4.1	9.2	✓
52	-72°	102	1	26.3	-72	36.3	8.6	✓
53	-72°	101	1	24.4	-72	21.1	7.8	✓
54	-72°	99	1	20.7	-72	10.2	8.5	✓

cards made out

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March 20, 1912

B 38 14/46 short disp.

No.	Class	Int.	Remark
55	K0	4	
56	A	9	E.
57	K0	4	
58	K0	3	
59	g5	3	
60	g	5	Focus poor
61	g	6	" "
62	K0	7	
63	g5	4	
64	F2	4	
65	K0	4	
66	g0	5	
67	g5	8	
68	g5	9	
69	g5	4	
70	g0	4	
71	g0	9	
72	g5	4	
73	g5	5	
74	K0	7	
75	F	8	Focus poor.
76	K	2	
77	g5	4	
78	A5	4	
79	F5	5	
80	F5	6	Focus poor
81	g5	4	

55	-72°	100	1	21.9	-72	42.3	9.4	✓
56	-72°	98	1	20.7	-72	58.7	7.3	✓
57	-72°	94	1	18.0	-72	25.6	9.0	✓
58	-72°	95	1	18.7	-72	14.7	9.7	✓
59	-72°	93	1	16.3	-72	29.8	9.0	✓
60	-72°	92	1	16.2	-72	27.5	8.8	✓
61	-72°	85	1	4.7	-72	30.2	8.5	✓
62	-70°	100	1	57.3	-70	7.9	8.6	✓
63	-69°	85	1	51.0	-69	58.0	9.2	✓
64	-71°	79	1	46.8	-71	3.9	9.4	✓
65	-71°	80	1	48.2	-71	50.3	9.8	✓
66	-70°	95	1	45.3	-70	41.4	9.0	✓
67	-70°	94	1	45.2	-70	21.0	8.8	✓
68	-70°	93	1	44.5	-70	30.3	8.6	✓
69	-71°	76	1	41.8	-71	11.2	9.6	✓
70	-71°	74	1	39.6	-71	9.7	9.8	✓
71	-70°	87	1	37.3	-70	37.1	8.6	✓
72	-70°	85	1	33.8	-70	33.5	9.4	✓
73	-70°	83	1	33.5	-70	35.3	9.4	✓
74	-70°	91	1	39.9	-70	12.1	9.2	✓
75	-69°	77	1	41.7	-69	43.0	8.6	✓
76	-69°	78	1	42.3	-69	45.2	9.8	✓
77	-69°	81	1	46.6	-69	23.9	9.6	✓
78	-68°	89	1	45.7	-68	43.2	9.0	✓
79	-68°	86	1	43.8	-68	38.0	8.8	✓
80	-68°	82	1	41.5	-68	36.1	8.6	✓
81	-68°	84	1	43.1	-68	19.4	8.8	✓

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March 20, 1912

B 38.146 short disp.

No.	Class	Int.	Remark
82	a	2	
83	f5	4	
84	a	4	
85	K2	4	
86	K0	4	
87	a	3	
88	f5	5	
89	f5	4	
90	g0	7	
91	a5	7	
92	g5	5	
93	g5	3	
94	a	3	
95	f8	5	
96	g0	4	
97	f8	7	
98	K0	6	
99	f8	4	
100	a	8	
101	a2	6	
102	f	3	
103	g5	5	
104	f	3	
105	g5	9	
106	f0	4	
107	g0	4	Partly superposed on 108
108	g0	6	

82	-68°	85	1	43.2	-68	5.5	9.9	✓
83	-68°	92	1	46.8	-68	26.2	9.2	✓
84	-67°	124	1	47.9	-67	47.5	9.5	✓
85	-67°	128	1	51.5	-67	35.6	9.2	✓
86	-67°	127	1	51.0	-67	30.7	9.2	✓
87	-67°	126	1	49.9	-67	29.3	9.2	✓
88	-66°	117	1	49.9	-66	49.9	9.0	✓
89	-66°	118	1	51.2	-66	36.0	9.2	✓
90	-66°	119	1	52.0	-66	18.0	8.4	✓
91	-66°	116	1	45.1	-66	23.4	8.4	✓
92	-67°	121	1	46.3	-67	11.8	8.9	✓
93	-67°	125	1	48.0	-67	16.2	9.2	✓
94	-67°	119	1	43.7	-67	28.5	9.2	✓
95	-67°	118	1	43.5	-67	9.2	8.7	✓
96	-67°	114	1	39.5	-67	18.3	9.4	✓
97	-67°	112	1	38.8	-67	28.2	8.1	✓
98	-67°	107	1	34.3	-67	11.6	8.6	✓
99	-67°	104	1	32.2	-67	21.8	8.7	✓
100	-67°	95	1	27.1	-67	8.5	7.6	✓
101	-66°	111	1	42.3	-66	0.8	8.7	✓
102	-66°	110	1	40.5	-66	19.9	9.0	✓
103	-66°	109	1	38.4	-66	38.9	8.8	✓
104	-66°	108	1	37.8	-66	27.8	9.2	✓
105	-66°	106	1	34.7	-66	14.5	7.6	✓
106	-66°	105	1	33.7	-66	24.9	9.0	✓
107	-66°	104	1	31.5	-66	0.4	9.2	✓
108	-66°	140	1	31.7	-65	55.6	8.6	✓

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March 20, 1912
B 32 146 short disp.

No.	Class	Int.	Remark
109	fy5	7	
110	F0	5	
111	F2	5	
112	fy0	8	
113	F0	8	
114	fy5	6	
115	A	2	
116	fy0	3	
117	fy5	3	
118	fy	3	
119	F	3	
120	Ma	7	
121	A2	6	
122	K	2	
123	fy5	4	
124	F5	7	
125	fy0	6	
126	fy0	7	
127	fy0	4	
128	fy5	4	
129	fy0.	7	
130	fy0	4	
131	Mb	4	Focus poor.
132	fy5	6	
133	K0	5	
134	A	7	Very poor focus
135	F5	5	

Time 22.55
March 21, 1912
" 22.00

109	-65°	139	1	30.8	-65	56.2	8.4	✓
110	-66°	103	1	27.4	-66	27.0	8.8	✓
111	-65°	137	1	29.2	-65	30.4	8.3	✓
112	-65°	135	1	27.1	-65	45.8	7.7	✓
113	-65°	134	1	26.5	-65	46.8	7.8	✓
114	-66°	100	1	21.4	-66	13.0	8.8	✓
115	-66°	not in cat.	1	19.5	-66	15		✓
116	-66°	96	1	18.6	-66	8.5	9.7	✓
117	-66°	95	1	17.8	-66	16.5	9.7	✓
118	-66°	not in cat.	1	17.8	-65	56		✓
119	-65°	129	1	15.0	-65	38.2	9.5	✓
120	-65°	127	1	13.2	-65	52.2	8.2	✓
121	-65°	128	1	13.9	-65	17.2	8.8	✓
122	-65°	126	1	12.5	-65	29.4	9.7	✓
123	-65°	124	1	9.9	-65	33.4	9.2	✓
124	-65°	123	1	9.2	-65	41.8	8.5	✓
125	-65°	125	1	10.1	-65	24.8	8.8	✓
126	-64°	122	1	11.2	-64	44.3	9.0	✓
127	-64°	121	1	9.6	-64	45.0	9.0	✓
128	-64°	119	1	8.6	-64	25.3	9.1	✓
129	-63°	119	1	5.2	-65	1.6	9.0	✓
130	-64°	115	1	3.5	-64	58.7	9.1	✓
131	-65°	108	0	58.4	-65	2.1	9.5	✓
132	-64°	109	0	59.1	-64	48.8	9.0	✓
133	-64°	107	0	57.8	-64	39.4	8.9	✓
134	-63°	137	1	51.7	-63	41.3	8.2	✓
135	-65°	155	1	49.4	-65	29.9	9.0	✓

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March 21, 1912 (Cont.)

B 38146

No.	Class	Int.	Remarks
136	K0	7	
137	K	3	
138	K5	7	
139	K5	3	
140	K0	4	
141	K5	5	
142	K	3	
143	K0	7	
144	K5	4	
145	K5	5	
146	Ma	5	
147	Ma	6	
148	K5	3	
149	K5	4	
150	K0	10	
151	K0	5	
152	K0	5	
153	K	3	Paraboscus
154	A3	4	E
155	A2	5	
156	K0	5	
157	K	4	E.
158	K5	5	E.
159	K0	5	E.
160	K5	6	
161	A	7	
June 22, 1916	K0	5	

cont. in 107, 198

136	-65°	15.2	1	46.1	-65	0.4	8.2	✓
137	-65°	15.1	1	45.8	-65	10.3	9.2	✓
138	-64°	13.8	1	44.7	-64	58.5	8.5	✓
139	-65°	14.9	1	43.0	-65	24.6	9.1	✓
140	-65°	14.8	1	42.7	-65	29.6	9.1	✓
141	-65°	14.5	1	39.1	-65	32.2	8.9	✓
142	-65°	14.4	1	37.2	-65	39.7	9.8	✓
143	-65°	14.3	1	35.8	-65	12.2	8.4	✓
144	-65°	14.2	1	34.6	-65	22.3	9.2	✓
145	-65°	14.1	1	32.6	-65	38.2	8.7	✓
146	-65°	13.8	1	30.3	-65	9.5	9.6	✓
147	-65°	13.6	1	27.5	-65	15.1	9.4	✓
148	-65°	13.3	1	26.0	-65	32.0	9.8	✓
149	-66°	13.2	1	22.8	-65	13.7	9.6	✓
150	-65°	13.0	1	20.8	-65	1.4	7.5	✓
151	-64°	12.9	1	20.6	-64	36.7	9.0	✓
152	-64°	13.8	1	19.2	-64	1.2	9.1	✓
153	-64°	12.7	1	18.0	-64	24.0	9.7	✓
154	-63°	10.9	1	14.9	-63	47.4	9.4	✓
155	-64°	12.4	1	12.2	-64	10.1	9.0	✓
156	-63°	10.7	1	10.7	-63	48.4	9.0	✓
157	-63°	11.6	1	22.5	-63	36.9	9.4	✓
158	-63°	12.0	1	26.6	-63	17.8	9.0	✓
159	-63°	12.2	1	28.2	-63	29.1	9.1	✓
160	-64°	13.3	1	28.9	-64	30.6	8.7	✓
161	-63°	12.7	1	37.8	-63	56.5	8.7	✓
162	-63°	12.8	1	39.8	-63	49.8	9.4	✓

Checked by AMC. Sept. 7. 1912

Identified by M. C. W. Sept. 5. 1912. Cards made out by M. C. W.

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March 25, 1912

Time: 22.46

I 87 652.

No	Class	Int.	Remark
1	A2	6	
2	Bq	5	E.
3	Ko	5	
4	Bo	8	Difficult E.
5	fq	2	
6	fgo	5	
7	B5	4	
8	Ko	4	
9	Ao	2	
10	Ao	8	
11	fg5	2	
12	fg5	2	
13	F8	3	
14	Ao	2	
15	B5	6	
16	Bq	3	
17	F5	2	
18	Ma	2	
19	K	10	
20	Bq	3	
21	A	2	
22	A	4	E.
23	A2	3	E.
24	A2	6	E.
25	fg	3	E.
26	B3	9	
27	F2	3	

1	+3°	1359	6	34.5	+3	23.1	7.3	J
2	+3°	1362	6	34.8	+3	0.7	8.0	J
3	+3°	1371	6	35.5	+3	10.3	7.0	J
4	+4°	1414	6	36.0	+4	4.2	6.4	J
5	+3°	1377	6	36.7	+3	26.4	9.1	J
6	+3°	1379	6	36.8	+3	17.2	7.6	✓
7	+3°	1382	6	37.2	+3	49.4	8.0	J
8	+4°	1428	6	37.3	+4	28.2 / 15.0	8.3 / 8.8	N+W 147" Subtracted
9	+4°	1426	6	37.8	+4	38.0 / 13.3	8.8 / 9.2	N ✓
10	+4°	1429	6	37.9	+4	44.3	8.0	J
11	+4°	1440	6	39.1	+4	30.7	8.5	✓
12	+4°	1430	6	38.1	+4	10.5	9.2	✓
13	+3°	1398	6	39.0	+3	47.6	8.9	✓
14	+3°	1394	6	38.5	+3	14.4	9.0	✓
15	+2°	1379	6	38.3	+2	39.0	7.8	/
16	+2°	1380	6	38.6	+2	47.9	8.3	J
17	+2°	1393	6	39.8	+2	47.6	8.7	✓
18	+3°	1466	6	40.2	+3	4.7	8.5	J
19	+2°	1397	6	40.3	+2	34.2	4.9	J
20	+2°	1395	6	39.9	+2	12.6	9.1	J
21	+2°	1403	6	41.0	+2	1.8	9.1	/
22	+0°	1587	6	38.7	+0	53.6	8.3	/
23	+0°	1600 / 1598	6	40.7 / 39.9	+0	56.6 / 57.8	8.8 / 9.2	N ✓
24	+0°	1604	6	40.3	+0	29.6	7.6	✓
25	+0°	1610	6	40.8	+0	26.8	8.2	✓
26	+1°	1531	6	41.6	+1	9.5	7.0	/
27	+0°	1637	6	42.8	+0	17.6	8.5	✓

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March 25, 1912

+ 37.652

No.	Class	Int.	Remark
28	F5	9	E.
29	B9	2	
30	A0	3	
31	A5	2	
32	A0	5	
33	F5	6	
34	A0	9	
35	A2	2	
36	G5	4	
37	A0	4	
38	K	1	
39	A	2	
40	A2	2	
41	F8	3	
42	F0	5	
43	G5	4	
44	A	2	
45	G5	3	
46	B8	4	
47	A3	2	
48	B9	4	
49	A5	3	
50	G5	4	
51	B9	4	
52	A5	2	
53	A5	6	
54	A2	6	Line 14077 strong. Probably Pec.

28	-0°	14h 02m	6	43.5	-0	21.8	6.7	✓
29	+0°	16 35	6	42.6	+0	54.8	8.7	✓
30	+1°	15 47	6 6	43.6	+1	16.6 / 42.2	9.2	✓ magn. 7.0 +1° 1547 Superposed
31	+2°	14 27	6	43.5	+2	1.3	9.1	✓
32	+2°	14 32	6	43.7	+2	18.2	8.3	✓
33	+2°	14 37	6	44.0	+2	49.0	7.0	✓
34	+3°	14 37	6	44.1	+3	12.8	7.6	✓
35	+3°	14 45	6	45.0	+3	24.9	8.8	✓
36	+2°	14 48	6	45.4	+2	56.3	8.0	✓
37	+3°	14 49	6	46.0	+3	34.6	8.8	✓
38	+3°	14 58	6	46.3	+3	26.0	8.7	✓
39	+3°	14 50	6	46.2	+3	7.4	9.2	✓
40	+2°	14 55	6	46.5	+2	45.4	9.0	✓
41	+2°	14 57	6	47.0	+2	47.3	8.3	✓
42	+3°	14 58	6	47.2	+3	25.5	8.5	✓
43	+3°	14 61	6	47.6	+3	38.9	8.6	✓
44	+2°	14 63	6	47.9	+2	45.4	8.8	✓
45	+2°	14 60	6	47.4	+2	13.5	8.3	✓
46	+1°	15 67	6	45.1	+1	15.8	8.7	✓
47	+1°	15 73 / 77	6	46.1	+1	41.2 / 53.9	8.8	✓ Evanescent object found Oct. 1925
48	+1°	15 77	6	46.3	+1	34.8	8.9	✓
49	+0°	16 85	6	46.3	+0	54.1	8.5	✓
50	+2°	14 68	6	48.6	+2	30.3	8.2	✓
51	+2°	14 73	6	49.2	+2	22.8	8.6	✓
52	+2°	14 74	6	49.4	+2	25.7	9.0	✓
53	+2°	14 77	6	49.9	+3	4.5	8.1	✓
54	+2°	14 83	6	50.4	+2	29.0	8.0	✓

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March 25, 1912

I 37 652

No.	Class	Int.	Remark
55	A	2	
56	G5	5	
57	K5	1	
58	A0	2	
59	B8	3	
60	B3	5	
61	B8	3	
62	A2	6	
63	K0	4	
64	F5	4	
65	G5	1	
66	B9	4	
67	B8	8	
68	F2	4	
69	K0	2	
70	A0	4	
71	A3	2	
72	K0	2	
73	K0	1	
74	F0	4	
75	K0	5	
76	B9	5	
77	G0	6	
78	G	1	
79	A0	2	
80	F0	3	
81	A5	5	

55	+0°	17 13	6	48.9	+0	58.0	9.0	✓
56	+1°	16 00	6	49.1	+1	22.3	8.0	✓ ✓
57	+0°	17 19	6	49.3	+0	59.3	8.0	✓
58	+0°	17 24	6	49.6	+0	44.7	8.7	✓
59	+1°	16 04	6	49.4	+1	29.0	9.0	✓
60	+1°	16 10	6	50.2	+1	40.7	8.2	✓
61	+1°	16 12	6	50.5	+1	24.2	8.8	✓
62	+0°	17 37	6	50.6	+0	33.7	8.2	✓
63	+1°	16 22	6	52.0	+1	6.6	8.3	✓
64	+1°	16 26	6	52.2	+1	16.0	8.7	✓
65	+1°	16 27	6	52.2	+1	44.4	8.8	✓
66	+2°	14 97	6	52.3	+2	13.2	8.8	✓
67	+2°	15 02	6	52.9	+2	7.6	7.8	✓
68	+2°	15 09	6	53.5	+2	19.3	8.5	✓
69	+2°	15 10	6	53.5	+2	2.6	8.6	✓
70	+2°	15 11	6	53.7	+2	44.8	8.7	✓
71	+2°	15 14	6	54.0	+2	45.1	8.9	✓
72	+3°	15 14	6	54.6	+3	15.6	9.0	✓
73	+3°	15 17	6	54.9	+3	11.4	8.3	✓
74	+3°	15 16	6	54.9	+3	42.5	8.5	✓
75	+3°	15 19	6	55.2	+3	59.5	7.9	✓
76	+3°	15 22	6	55.5	+3	26.1	8.3	✓
77	+2°	15 30	6	56.0	+2°	39.0	7.5	✓
78	+2°	15 20	6	54.7	+2	8.5	9.0	✓
79	+0°	17 44	6	52.3	+0	29.4	8.7	✓
80	+0°	17 50	6	52.8	+0	16.6	8.3	✓
81	+0°	17 58	6	53.7	+0	48.4	8.3	✓

cards made out by M. C. W.

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March 25, 1912
H 37652

No.	Class	Int.	Remark
82	F5	3	
83	F5	2	
84	Bq	6	
85	Bq	6	E.
86	F8	1	
87	A	1	
88	F8	3	
89	Bq	4	
90	Bq	6	Partly superposed on 89
91	Bq	3	
92	Bq	2	
93	K0	4	
94	Bq	3	
95	Bq	2	
96	Bq	2	
97	K	1	
98	K0	3	
99	K5	1	
100	K	1	
101	A	2	
102	A	3	Another star superposed.
103	K5	3	
104	K0	2	
105	K	2	In a group.
106	K0	4	
107	B5	7	
108	A	5	E.

82	+0°	1760	6	53.8	+0	12.9	8.5	J
83	+0°	1768	6	54.8	+0	38.8	8.8	J
84	+0°	1776	6	56.0	+0	33.2	8.2	J
85	−0°	1571	6	56.3	−0	21.4	7.7	J
86	+0°	1781	6	56.4	+0	54.5	9.0	J
87	+1°	1660	6	56.3	+1	44.6	8.8	V
88	+2°	1531	6	56.5	+2	6.5	8.4	J
89	+1°	1663	6	56.8	+1	43.3	8.8	J
90	+1°	1665	6	56.8	+1	42.3	6.8	J
91	+1°	1682 (74)	6	57.4 (9)	+1	18.7 (6.8)	8.8 (7)	∧J
92	+1°	1677 (80)	6	57.2 (9)	+1	37.7 (6.8)	8.8	∧J
93	+0°	1791	6	57.7	+0	32.6	8.2	J
94	+2°	1536	6	57.3	+2	25.8	8.8	J
95	+2°	1535 (40)	6	57.1 (8)	+2	28.1 (4)	8.7	∧J
96	+1°	1682	6	58.2	+1	59.0	8.9	J
97	+2°	1550	6	58.9	+2	19.3	8.5	J
98	+3°	1546	6	58.7	+3	6.5	8.6	V
99	+3°	1553	6	59.7	+3	32.4	9.2	J
100	+3°	1554	6	59.9	+3	38.0	8.9	J
101	+2°	1556	6	59.7	+2	56.2	9.1	J
102	+2°	1559	7	0.4	+2	55.1	9.0	J
103	+2°	1565	7	0.8	+2	53.3	8.5	J
104	+2°	1571	7	1.1	+2	53.1	8.5	J
105	+2°	1573	7	1.2	+2	33.8	8.7	J
106	+2°	1576	7	1.6	+2	29.4	7.8	J
107	+2°	1579	7	2.0	+2	8.9	8.1	J
108	+0°	1814 (6)	7	1.1	+0	41.1	8.3	J

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No.	Class	Int.	Remark
109	F5	2	
110	G0	2	
111	F5	2	
112	A2	1	
113	K	1	
114	A	4	Hγ, δ, ε of another star sup. towards south.
115	A0	3	
116	A0	4	
117	A	1	
118	F0	2	
119	G5	5	
120	A2	3	
121	A2	2	
122	A2	4	
123	G5	3	
124	F0	3	
125	G5	8	E.
126	K0	2	
127	G5	4	
128	B9	5	
129	B9	2	
130	G5	4	
131	Fa	2	
132	K2	3	
133	A0	2	
134	A5	1	
135	K0	4	

109	+1°	17'11	7	1.8	+1	55.7	8.8	∫
110	+1°	17'19	7	2.9	+1	52.6	8.8	∫
111	+2°	1584	7	3.1	+2	42.6	8.8	∫
112	+2°	1590	7	3.6	+2	23.2	8.9	√
113	+1°	17'22	7	3.8	+1	52.3	8.8	∫
114	+3°	1560 1561	7	0.5	+3	35.9 35.7	9.2 9.3	∫
115	+3°	1563	7	0.8	+3	44.8	8.6	√
116	+3°	1573	7	1.9	+3	35.8	9.0	∫
117	+3°	1580 1597	7	2.5	+3	8.7 11.4 14.6	9.4 9.8 8.5	∧ ∫
118	+3°	1582 29	7	3.1 2.9	+3	11.9 14.6	8.5 9.0	∧ ∫
119	+3°	1584	7	3.6	+3	25.1	7.0	∫
120	+3°	1586	7	3.8	+3	6.8	8.3	∫
121	+4°	1615	7	3.2	+4	9.6	9.3	∫
122	+3°	1587	7	3.9	+3	56.3	8.5	√
123	+3°	1596	7	5.3	+3	59.3	8.3	√
124	+3°	1597	7	5.4	+3	9.7	8.4	√
125	+3°	1609	7	6.7	+3	21.4	6.0	√
126	+5°	1402	6	39.1	+5	22.7	8.7	√
127	+5°	1406	6	39.6	+5	37.8	8.3	√
128	+6°	1384	6	40.0	+6	27.5	8.7	∫
129	+6°	1411	6	40.4	+5	59.4	9.0	√
130	+6°	1389	6	40.6	+6	21.8	8.0	√
131	+5°	1414	6	40.6	+5	42.2	8.7	∫
132	+4°	1446	6	40.1	+4	36.3	8.2	√
133	+4°	1453	6	41.6	+4	41.5	9.0	√
134	+4°	1452	6	40.8	+4	0.5	9.0	√
135	+3°	14'14	6	41.9	+3	51.8	8.1	√

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No.	Class	Dst.	Remark
136	A	1.	
137	Ky5	2	
138	A	1	
139	A	2	Partly superposed on 140
140	A5	4	
141	B2	6	H/3 bright. Dst. 3
142	Mb	3	
143	B9	4	
144	K2	3	
145	K0	2	
146	B8	5	
147	B9	4	
148	F8	5	
149	B5	5	
150	A0	2	
151	ky	1	
152	A	1	
153	ky5	3	
154	B8	5	
155	B8	3	
156	ky5	2	
157	B5	4	
158	A	2	
159	A	3	Partly superposed on 158
160	K0	5	
161	K0	8	
162	A2	5	

186	+3°	14.35	6	43.7	+3	46.9	8.9	J
187	+4°	14.74	6	43.8	+4	8.4	8.9	J
188	+4°	14.75	6	44.6	+4	23.0	9.2	J
189	+4.5°	14.38	6	42.7	+5	2.8	9.0	J
190	+5°	14.39	6	42.8	+5	5.3	8.7	J
191	+5°	14.48	6	44.1	+5	15.6	9.2	J
192	+4°	14.76	6	44.3	+4	55.6	7.9	J
193	+5°	14.60	6	45.5	+5	26.4	9.2	J
194	+4°	14.89	6	45.8	+4	20.8	8.3	J
195	+4°	15.02	6	46.9	+4	38.7	8.5	J
196	+5°	14.65	6	46.6	+5	17.6	8.1	J
197	+5°	14.66	6	46.7	+5	50.0	8.5	J
198	+6°	14.37	6	47.5	+6	5.3	8.4	J
199	+5°	14.72	6	47.5	+5	36.7	8.3	J
200	+5°	14.69	6	47.1	+5	5.2	8.9	J
201	+4°	15.06	6	47.4	+4	48.6	8.6	J
202	+5°	14.74	6	48.1	+5	6.3	9.4	J Parabolic = 14.75 with +5 on superposed
203	+5°	14.78	6	48.3	+5	17.5	8.3	J
204	+6°	14.43	6	48.7	+6	11.5	8.5	J
205	+5°	14.86	6	49.4	+5	17.5	9.0	J
206	+4.5°	15.13	6	48.8	+4	8.3	9.0	J
207	+3°	14.68	6	48.8	+3	46.8	8.5	J
208	+3°	14.66	6	48.7	+3	18.7	8.5	J
209	+3°	14.69	6	48.8	+3	22.8	8.6	J
210	+4°	15.22	6	50.7	+4	5.2	7.7	J
211	+3°	14.88	6	51.3	+3	47.7	6.9	J
212	+3°	14.94	6	52.1	+3	33.3	8.6	J

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No.	Class	Int	Remark
163	B8	2	
164	B8	2	
165	K	1	
166	K2	2	
167	B8	3	
168	A0	2	
169	K0	3	
170	G5	2	
171	F8	2	
172	F0	2	
173	A0	8	
174	B3	8	
175	G	1	
176	A2	3	
177	K0	4	
178	B9	7	
179	G5	5	
180	A5	4	
181	B8	2	
182	A5	1	
183	A3	3	
184	F8	5	
185	F5	1	
186	A2	2	The n. p. of Two.
187	K	1	
188	Ma	4	
189	A2	4	

163	+2°	14 84	6	50.7	+2	35.1	8.8	✓
164	+2°	14 88	6	50.9	+2	36.2	9.2	✓
165	+2°	14 96	6	52.2	+2	54.5	8.8	✓
166	+2°	14 99	6	52.7	+2	42.9	8.1	✓
167	+3°	15 08	6	53.5	+3	15.3	8.9	✓
168	+3°	15 04	6	53.4	+3	36.3	9.1	✓
169	+4°	15 36	6	52.3	+4	16.6	8.1	✓
170	+4°	15 37	6	52.4	+4	24.0	9.0	✓
171	+4°	15 46	6	53.4	+4	52.7	9.2	✓
172	+4°	15 51	6	53.7	+4	50.6	9.0	✓
173	+5°	15 13	6	54.0	+5	1.3	7.0	✓
174	+5°	15 14	6	54.2	+5	45.6	7.0	✓
175	+5°	15 15	6	54.7	+5	44.2	8.8	✓
176	+6°	15 03	6	56.1	+6	4.6	8.5	✓
177	+5°	15 23	6	56.3	+5	21.1	7.8	✓
178	+4°	15 67	6	56.7	+4	47.2	8.2	✓
179	+4°	15 66	6	56.7	+4	13.6	8.0	✓
180	+4°	15 69	6	56.9	+4	3.6	8.4	✓
181	+3°	15 33	6	57.2	+3	55.8	9.0	✓
182	+3°	15 36	6	57.5	+3	10.9	9.0	✓
183	+3°	15 39	6	57.8	+3	54.7	8.9	✓
184	+4°	15 79	6	58.0	+4	10.3	8.0	✓
185	+3°	15 43	6	58.5	+3	44.0	9.1	✓
186	+4°	15 90	6	59.5	+4	8.6 5.4	9.2	∧ ✓
187	+4°	15 95	7	0.3	+4	26.2	8.7	∧ ✓
188	+4°	15 99	7	1.0	+4	24.3	7.8	∧ ✓
189	+4°	15 98	7	0.9	+4	37.8	8.7	∧ ✓

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No.	Class	Int	Remarks
190	K	1	
191	Ao	2	
192	A	3	
193	B8	3	
194	Ao	5	
195	k5	2	
196	F8	4	
197	A	1	
198	F0	2	
199	Ao	2	
200	Ao	9	
201	k5	5	
202	F8	2	
203	A2	2	
204	Ao	1	
205	A5	2	
206	k5	4	E.
207	A5	2	
208	Ma	2	E.
209	k5	2	E.
210	k5	5	E.
211	B8	6	E.
212	Ao	6	E.
213	B8	8	E. Cannot subdivide
214	Ao	4	
215	k5	4	
216	k5	2	E.

190	+4°	1601	7	1.1	+4	42.7	9.0	✓
191	+4°	1603	7	1.4	+4	50.8	9.2	✓
192	+5°	1560	7	2.0	+5	39.7	9.2	✓
193	+6°	1547	7	2.6	+6	31.5	9.0	✓
194	+6°	1548	7	2.7	+6	18.6	8.3	✓
195	+6°	1549	7	2.8	+6	3.5	8.6	✓
196	+5°	1568	7	3.0	+5	58.1	8.5	✓
197	+6°	1556	7	3.7	+6	27.2	9.0	✓
198	+6°	1560	7	3.9	+6	59.3	8.4	✓
199	+6°	1561	7	4.3	+6	35.6	8.7	✓
200	+5°	1577	7	4.1	+5	53.5	6.0	✓
201	+5°	1580	7	4.4	+5	43.2	6.5	✓
202	+5°	1576	7	4.0	+5	10.7	8.4	✓
203	+5°	1582	7	4.7	+5	2.8	8.5	✓
204	+4°	1617	7	3.8	+4	33.4	9.0	✓
205	+4°	1623	7	5.5	+4	34.8	9.0	✓
206	+4°	1627	7	6.4	+4	49.4	8.1	✓
207	+4°	1631	7	6.6	+4	27.4	8.7	✓
208	+4°	1635	7	7.1	+4	24.4	8.5	✓
209	+4°	1634	7	7.1	+4	5.1	8.6	✓
210	+5°	1602	7	7.3	+5	3.0	8.1	✓
211	+5°	1597	7	6.9	+5	30.8	8.0	✓
212	+6°	~~1485~~ 1585	7	7.5	+6	4.3	7.7	✓
213	+6°	1351	6	34.2	+6	28.5	7.3	✓
214	+6°	1360	6	35.5	+6	15.8	8.5	✓
215	+5°	1380	6	35.7	+5	59.0	7.0	✓
216	+5°	1373	6	34.8	+5	18.7	8.7	✓

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No.	Class	Int.	Remark
217	f	3	E.
218	f5	3	
219	f5	4	
220	Ao	7	
221	A	4	E.
222	f2	6	
223	A	2	
224	B8	3	
225	K0	3	
226	Ao	3	
227	f5	4	
228	A	3	Poor focus
229	Ao	3	
230	A5	5	
231	Ao	3	
232	B8	7	
233	F8	2	
234	A5	7	
235	f	1	
236	f	1	
237	f5	6	
238	A	2	
239	f0	5	
240	A	4	
241	A	2	Partly superposed on 240
242	f5	3	
243	f5	2	

217	+5°	1377	6	35.2	+5	19.4	8.5	✓
218	+5°	1388	6	36.4	+5	21.0	8.7	✓
219	+5°	1391	6	36.7	+5	21.1	7.7	✓
220	+5°	1394	6	37.5	+5	22.2	7.8	✓
221	+6°	1369	6	36.4	+6	20.1	8.7	✓
222	+6°	1370	6	36.6	+6	25.9	8.2	✓
223	+5°	1395	6	37.6	+5	58.9	9.0	✓
224	+5°	1400	6	38.6	+5	52.5	9.0	✓
225	+6°	1385	6	40.2	+6	54.6	8.1	✓
226	+7°	1453	6	39.9	+7	25.7	9.0	✓
227	+7°	1437	6	48.8 39.9	+7	47.8 53.5	8.5 9.1	✓
228	+8°	1507	6	40.8	+8	5.9	8.7	✓
229	+7°	1458	6	41.0	+7	52.6	8.8	✓
230	+7°	1467	6	41.9	+7	59.7	8.4	✓
231	+7°	1465	6	41.6	+7	16.3	8.5	✓
232	+4°	1397	6	42.3	+6	24.8	7.8	
		1558		59.1	+4	56.0	8.4	✓
233	+5°	1442	6	42.8	+5	50.1 49.4	8.8 9.0	✓
234	+5°	1434	6	42.5	+5	49.8	7.5	✓
235	+5°	1426	6	41.4	+5	44.7	8.5	✓
236	+5°	1433	6	42.2	+5	44.4 50.1	9.0 8.8	✓
237	+6°	1405	6	43.3	+6	0.7	7.5	✓
238	+6°	1408	6	43.8	+6	44.3	7.2	✓
239	+6°	1411	6	44.1	+6	46.5	8.0	✓
240	+6°	1413	6	44.5	+6	40.5	8.7	✓
241	+6°	1414	6	44.9	+6	49.2	8.8	✓
242	+6°	1416	6	44.7	+6	23.2	8.5	✓
243	+6°	1417	6	44.9	+6	40.2	8.5	✓

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No.	Class	Int.	Remark
244	Bq	4	
245	b5	4	
246	A0	6	
247	A3	6	
248	A	2	
249	A	1	
250	Bq	3	Partly superposed on 251
251	A2	4	
252	K0	2	
253	K	1	
254	A	2	
255	B5	5	
256	A	1	
257	A	1	
258	N	2	0, 6, 10.
259	b	2	
260	b5	3	
261	A	2	
262	A	1	
263	A	1	Partly superposed on 262
264	A	2	
265	b5	2	
266	A	2	
267	F	2	
268	A0	3	
269	b5	2	
270	A0	3	

244	+6°	14ᵐ26ˢ	6	46ˢ.2	+6	59ˢ.5	8ˢ.3	✓
245	+6°	1427	6	46.3	+6	51.6	7.6	✓
246	+6°	1428	6	46.4	+6	51.8	8.2	✓
247	+6°	1432	6	46.9	+6	54.0	7.9	✓
248	+7°	1505	6	46.9	+7	12.7	8.7	✓
249	+7°	1504	6	46.8	+7	53.2	8.6	✓
250	+7°	1508 1438	6	47.7	+7°	41.2 27.5	8.5 9.2	✓
251	+7°	1509	6	47.1	+7	35.2	8.5	✓
252	+7°	1513	6	47.3	+7	27.2	8.0	✓
253	+6°	1438	6	47.7	+6	27.5	9.2	✓
254	+6°	1446	6	48.7	+6	50.5	9.0	✓
255	+6°	1459	6	50.1	+6	44.5	8.0	✓
256	+6°	1454	6	49.7	+6	1.3	9.3	✓
257	+5°	1489	6	49.9	+5	47.8	9.3	✓
258	+6°	1462	6	50.6	+6	21.4	8.2	✓
259	+5°	1498	6	51.3	+5	43.6	8.5	✓
260	+5°	1500 1499	6	51.4	+5	28.9	8.2	✓
261	+5°	1499	6	51.3	+5	50.3	8.7	✓
262	+5°	1493	6	50.7	+5	13.0	9.1	✓
263	+5°	1494	6	50.8	+5	19.0	8.7	✓
264	+4°	1529	6	51.6	+4	38.5	9.0	✓
265	+4°	1508 1509	6	48.0	+4	39.3 39.9	9.2 9.3	✓ Both — one with the other superposed?
266	+6°	1471	6	51.8	+6	6.8	8.9	✓
267	+6°	1479	6	53.3	+6	47.1	8.8	✓
268	+6°	1483	6	53.8	+6	40.8	8.5	✓
269	+7°	1555	6	53.8	+7	7.9	8.3	✓
270	+7°	1565	6	54.6	+7	14.3	8.4	✓

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No.	Class	Int.	Remark
271	Ao	2	
272	A2	2	
273	A2	2	
274	Bq	3	
275	Ko	3	
276	Ao	2	
277	g5	1	
278	Bq	2	
279	Fo	4	
280	g5	2	
281	Fq	5	
282	Ko	2	
283	B8	9	
284	Ko	8	
285	Ao	7	
286	B8	3	
287	Bq	2	
288	A3	3	
289	K2	5	
290	K	2	Partly superposed on 289
291	K5	5	E.
292	g	4	E.
293	A	4	E.
294	A	2	E.
295	B3	8	E.
296	Fo	5	
297	A	3	

271	+6°	14 93	6	55.1	+6	37.1	9.1	J
272	+7	15 72	6	55.5	+7	4.3	8.7	J
273	+6°	15 01	6	55.8	+6	52.2	8.7	J
274	+6°	15 09	6	57.0	+6	51.9	8.6	J
275	+6°	15 05	6	56.9	+6	8.5	8.1	J
276	+5°	15 30	6	37.7	+5	30.9	9.8	J
277	+5°	15 32	6	38.0	+5	49.8	8.8	J
278	+5°	15 35	6	58.3	+5	43.9	8.8	J
279	+6°	15 14	6	58.2	+6	6.5	8.3	J
280	+6°	15 16	6	58.3	+6	20.3	8.3	J
281	+6°	15 19	6	58.8	+6	21.4	8.5	J
282	+4°	15 88	6	59.1	+4	56.0	8.4	J
283	+5°	15 43	6	59.4	+5	7.9	6.5	J
284	+7°	16 07	7	0.0	+7	41.7	5.9	J
285	+8°	16 63	7	0.5	+8	6.2	7.6	J
286	+7°	16 10	7	0.4	+7	20.0	8.7	J
287	+7°	15 38	7	1.6	+6	39.6	8.3	J
288	+7°	16 16	7	1.8	+7	5.1	8.0	J
289	+7°	16 18	7	2.1	+7	57.3	7.0	J
290	+8°	16 74	7	2.2	+8	6.4	7.4	J
291	+8°	14 09	6	34.4	+8	31.8	7.3	J
292	+8°	14 20	6	35.6	+7	55.5	8.5	J
293	+7°	14 25	6	36.1	+7	37.5	8.4	J
294	+7°	14 33	6	37.1	+7	36.3	8.5	J
295	+8°	14 86	6	38.6	+8	44.3	6.0	J
296	+8°	14 87	6	38.8	+8	30.4	7.8	J
297	+8°	14 90	6	38.9	+8	2.5	8.4	J

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March 25, 1918.

I 37652

No.	Class	Int	Remark
298	F5	2	
299	K0	9	
300	A0	5	
301	A	3	Partly superposed on 300
302	A	2	8.
303	K0	6	
304	F5	3	
305	Bq	5	
306	K0	3	
307	Bq	4	
308	A	2	
309	F5	5	
310	B5	6	
311	A5	10	
312	K0	3	
313	A	1	
314	K0	2	
315	A2	4	
316	F8	4	
317	A0	10	
318	A	2	
319	F	1	
320	Bq	3	
321	K	1	
322	F0	2	
323	A2	8	
324	B8	8	

298	+8°	1492	6	39.0	+8	2.4	9.0	✓
299	+8°	1496	6	39.5	+8	11.2	5.2	✓
300	+8°	1501	6	40.0	+8	1.5	8.1	✓
301	+8°	1500	6	40.0	+8	10.8	9.0	✓
302	+8°	1506	6	40.6	+8	46.8	8.7	✓
303	+9°	1393	6	40.8	+9	1.2	7.5	✓
304	+8°	1510	6	41.2	+8	30.0	8.3	✓
305	+8°	1517	6	42.0	+8	48.5	8.6	✓
306	+7°	1475	6	42.7	+7	21.2	7.8	✓
307	+7°	1485	6	43.6	+7	56.0	8.7	✓
308	+8°	1531	6	43.4	+8	40.9	8.5	✓
309	+8°	1540	6	44.6	+8	37.2	9.2	✓
310	+7°	1493	6	44.8	+7	59.7	8.1	✓
311	+8°	1543	6	44.9	+8	33.0	6.2	✓
312	+8°	1544	6	45.0	+8	50.2	8.8	✓
313	+8°	1550	6	45.6	+8	26.2	9.0	✓
3184	+8°	1557	6	47.1	+8	41.9	8.2	✓
315	+9°	1439	6	47.8	+9	10.5	8.3	✓
316	+9°	1442	6	47.9	+9	3.0	7.7	✓
317	+8°	1562	6	47.7	+8	30.4	6.8	✓
318	+8°	1564	6	47.9	+8	6.3	8.8	✓
319	+7°	1520	6	47.7	+7	37.1	8.5	✓
320	+8°	1586	6	50.1	+8	20.6	8.7	✓
321	+8°	1591	6	50.4	+8	4.4	8.6	✓
322	+7°	1538	6	50.6	+7	58.0	8.6	✓
323	+7°	1589	6	50.8	+7	49.2	7.0	✓
324	+7°	1544	6	51.5	+7	30.6	7.0	✓

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No.	Class	Int	Remark
325	F5	2	
326	A	3	
327	A0	3	
328	F0	4	
329	F5	5	
330	A2	10	
331	A	3	
332	F5	2	
333	A2	4	
334	K	2	
335	A0	3	
336	K0	7	
337	K	1	
338	K0	3	
339	B9	2	
340	F	1	
341	A2	2	
342	F	3	E.
343	K	4	E.
344	A	5	E.
345	A	5	E.
346	Mb	7	E.
Time 0.00 347	A	4	E.

cont 134, 102.

325	+7°	15 47	6	52.0	+7	27.0	8.7	✓
326	+8°	16 13	6	54.0	+8	17.7	8.6	✓
327	+8°	16 18	6	54.5	+8	19.6	8.3	✓
328	+8°	16 19	6	54.6	+8	52.7	8.2	✓
329	+9°	14 94	6	55.3	+9	14.2	7.7	✓
330	+9°	14 96	6	55.4	+9	20.8	6.5	✓
331	+8°	16 29	6	55.5	+8	55.7	8.2	✓
332	+8°	16 35	6	56.1	+8	27.4	8.3	^ ✓
333	+8°	16 32	6	56.1	+8	27.4	8.0	^ ✓
334	+8°	16 38	6	57.2	+8	45.1	8.5	✓
335	+8°	16 40	6	57.6	+8	59.2	8.8	✓
336	+9°	16 10	6	57.7	+9	24.1	6.6	✓
337	+7°	15 95	6	55.9	+7	47.7	8.7	✓
338	+8°	16 42	6	57.9	+8	4.1	8.1	✓
339	+7°	15 88	6	57.75	+7	25.1	8.8	✓
340	+7°	15 96	6	58.6	+7	50.8	9.0	✓
341	+7°	16 00	6	58.9	+7	51.1	8.6	✓
342	+8°	16 51	6	58.8	+8	56.3	8.4	✓
343	+9°	15 39	6	1.9	+9	32.4	7.4	✓
344	+9°	15 50	7	2.9	+9	36.8	8.0	✓
345	+8°	17 08	7	6.7	+8	16.6	8.2	✓
346	+8°	17 12	7	7.8	+8	13.6	6.8	✓
347	+7°	16 46	7	6.4	+7	27.9	8.0	✓

Identified by M. C. W. Aug. 9. 1912.
Checked by AMC Aug. 13, 1912
cards made out by M. C. W.
Cards checked by AMC.

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Time 22.54

I 37595

No.	Class	Int.	Remark
1	fB	7	E. Focus very poor.
2	A	5	
3	A	2	
4	A	8	E.
5	fg5	6	
6	K	2	
7	A	2	
8	B8	9	
9	Ao	8	
10	Ko	8	E.
11	B3	2	E.
12	A	2	E.
13	Ao	5	E.
14	Ko	3	
15	Ao	3	
16	Ma	7	
17	A5	6	
18	A	2	
19	F	3	
20	B5	6	
21.	B8	4	
22	A	3	
23	Bq	6	
24	K	2	
25	fg	2	Difficult
26	Ao	5	
27	fg5	4	

No	DM.	RA.	Dec.	Mg.
1	−4 1362	5h 59m 28.0	−3° 10.7	6.0 ✓
2	−3 1297	5h 59m 41.6	−3 19.2	7.0 ✓
3	−3 1302	6 0 21.2	−3 35.0	8.3 ✓
4	−4 1393	6 4 33.2	−4 38.0	6.5 ✓
5	−3 1345	6 6 42.0	−3 42.3	6.5 ✓
6	−4 1408	6 5m 53.5	−4 53.8	7.0 ✓
7	−4 1410	6 6 21.6	−4 33.9	8.4 ✓
8	−4 1421	6 7 26.2	−4 31.7	6.0 ✓
9	−4 1431	6 8 21.2	−4 51.9	6.6 ✓
10	−6 1469	6 7 46.1	−6 13.8	4.5 ✓
11	−6 1475	6 8 42.1	−6 9.7	8.0 ✓
12	−5 1565	6 10 8.3	−5 18.2	8.0 ✓
13	−5 1576	6 11 10.6	−5 35.9	7.1 ✓
14	−4 1445	6 10 42.6	−4 19.7	7.2 ✓
15	−3 1387	6 11 53.7	−3 41.4	8.0 ✓
16	−2 1564	6 12 43.1	−2 52.5	5.5 ✓
17	−4 1467	6 13 39.7	−4 31.5	7.3 ✓
18	−4 1470	6 14 0.6	−4 16.9	8.0 ✓
19	−3 1397	6 13 47.3	−3 26.5	8.0 ✓
20	−3 1413	6 13 47.1	−3 12.5	7.2 ✓
21	−3 1414	6 13 52.6	−3 26.7	7.8 ✓
22	−4 1476	6 13 0.4	−4 41.5	8.0 ✓
23	−4 1484	6 16 12.8	−4 36.8	7.0 ✓
24	−4 1490	6 16 43.6	−4 39.0	8.5 ✓
25	−3 1420	6 17 15.7	−3 27.0	8.5 ✓
26	−2 1601	6 18 18.9	−2 54.4	7.0 ✓
27	−3 1430	6 18 56.4	−3 26.7	7.4 ✓

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I 37595 cont.

No.	Int.	Class	Remark
28	5	f_5	
29	3	B8	
30	7	B3	
31	6	B5	
32	8	B3	
33	3	B9	
34	3	f_5	
35	2	B8	
36	3	f_5	
37	4	A3	
38	4	B9	
39	4	B9	
40	7	A5	
41	3	B8	
42	5	B8	
43	3	A	
44	2	f	
45	3	A0	
46	8	B8	E.
47	4	f_5	Difficult. Partly superposed on 48
48	4	A2	
49	3	f_0	
50	2	A	
51	5	H8	E. Certainly wrong. B8 must have been intended.
52	5	K0	E.
53	4	f_5	
54	5	A	

28	−3	14 25	6	18	34.1	−3	48.5	7.2	✓
29	−4	15 01	6	18	29.4	−4	45.0	8.0	✓
30	−4	15 10	6	19	24.2	−4	30.5	7.0	✓
31	−4	15 14	6	19	50.5	−4	16.4	7.2	✓
32	−4	15 26	6	20	48.3	−4	40.1	5.4	✓
33	−3	14 50	6	21	26.2	−3	41.9	8.5	✓
34	−3	14 56	6	22	22.7	−3	27.8	7.9	✓
35	−2	16 31	6	22	13.1	−2	46.1	8.7	✓
36	−2	16 39	6	23	11.5	−2	55.7	7.5	✓
37	−3	14 69	6	23	34.1	−3	36.9	7.9	✓
38	−4	15 46	6	23	17.8	−4	35.7	8.3	✓
39	−5	16 66	6	24	28.5	−5	16.3	8.0	✓
40	−5	16 78	6	25	16.9	−5	46.2	5.7	✓
41	−5	16 80	6	25	32.0	−5	14.2	7.9	✓
42	−4	15 69	6	27	8.5	−4	47.4	7.4	✓
43	−4	15 71	6	27	40.5	−4	8.6	8.4	✓
44	−3	15 01	6	28	21.4	−4	51.8	8.2	✓
45	−3	15 06	6	28	45.5	−3	57.9	8.0	✓
46	−5	17 10	6	29	26.9	−5	05.7	5.8	✓
Make Change in number 48	−2	16 62	6	27	4.7	−2	47.7	8.1	✓
48	−2	16 63	6	27	6.2	−2	57.8	7.0	✓
49	−2	16 62	6	27	17.2	−2	47.4	8.4	✓
50	−2	16 71	6	28	36.9	−2	27.5	8.5	✓
51	−2	16 80	6	29	47.1	−2	3.6	7.5	✓
52	−2	16 91	6	31	3.7	−2	20.0	6.4	✓
53	−2	14 95	6	1	38.0	−2	1.5	7.5	✓
54	−1	11 37	6	3	48.7	−1	51.3	8.3	✓

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No.	Int.	Class	Remark
55	5	B8	
56	3	a	
57	6	a0	
58	4	a	
59	3	a3	
60	3	g5	
61	3	a0	
62	3	a0	
63	8	K5	
64	5	B8	
65	2	B8	
66	4	B9	
67	2	a	
68	4	a	Focus poor.
69	3	K0	
70	2	K0	
71	2	a	
72	2	a0	
73	3	a0	
74	4	a0	
75	2	a0	
76	4	a0	
77	2	a5	Difficult
78	2	a	
79	3	a0	
80	2	K	
81	4	a	

55	−1	1143	6	4	35.6	−1	18.0	8.1 ✓
56	−1	1147	6	5	18.0	−1	18.6	8.4 ✓
57	−2	1512	6	5	27.8	−2	28.1	7.0 ✓
58	−2	1515	6	6	18.1	−2	13.0	7.9 ✓
59	−1	1160	6	7	27.8	−1	40.3	8.3 ✓
60	−1	1166	6	8	6.7	−1	21.3	7.8 ✓
61	−1	1156	6	6	28.5	−1	2.0	8.5 ✓
62	−0	1228	6	7	28.3	−0	22.5	8.3 ✓
63	−0	1234	6	8	12.5	−0	27.6	6.5 ✓
64	+0	1354	6	8	49.5	+0	~~47.5~~ 3.4	~~3.4~~ 7.8 ✓
65	−0	1237	6	9	25.3	−0	5.4	8.8 ✓
66	+0	1370	6	10	32.9	+0	16.7	8.4 ✓
67	+0	1372	6	10	38.7	+0	31.1	8.5 ✓
68	−0	1247	6	10	43.8	−0	19.6	8.5 ✓
69	−0	1255	6	11	57.4	−0	51.6	7.7 ✓
70	−1	1188	6	11	46.9	−1	18.6	7.7 ✓
71	−1	1192	6	12	22.1	−1	9.1	8.5 ✓
72	−1	1199	6	13	2.2	−1	14.0	8.3 ✓
73	−1	1201	6	13	9.6	−1	18.4	8.3 ✓
74	−1	1198	6	12	57.7	−1	59.7	8.0 ✓
75	−2	1533	6	8	40.4	−2	13.8	8.9 ✓
76	−2	1534	6	8	52.0	−2	50.6	8.1 ✓
77	−3	1362	6	8	58.1	−3	20.1	8.7 ✓
78	−3	13~~69~~ 70	6	9	~~29.5~~ 30.2	−3	~~24.6~~ 10.0	8.7 ✓
79	−2	1553	6	11	13.6	−2	55.3	8.7 ✓
80	−2	1554	6	11	17.7	−2	25.6	8.6 ✓
81	−1	1207	6	13	59.8	−1	9.6	8.0 ✓

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H 37595 cont.

No.	Int.	Class	Remark
82	4	Gp5	
83	4	B9	
84	3	A0	
85	2	A0	
86	2	K	
87	3	A0	
88	2	F	Difficult
89	5	B8	
90	6	F8	
91	1	A	
92	5	B9	
93	3	A0	
94	7	A0	
95	1	F	
96	2	F0	
97	5	K0	
98	1	A5	Difficult
99	2	A2	
100	3	F5	
101	5	F8	
102	5	F0	
103	4	A0	
104	3	B8	
105	2	A	
106	2	A	
107	1	K	
108	2	A5	

82	−0	1266	6	14	20.1	−0	28.4	8.0	✓
83	−0	1273	6	15	28.1	−0	46.1	8.0	✓
84	−1	1215	6	14	56.3	−1	25.4	8.5	✓
85	−1	1212	6	14	41.8	−1	57.8	8.7	✓
86	−2	1579	6	15	13.2	−2	38.6	7.8	✓
87	−0	1284	6	16	56.7	−0	40.1	8.7	✓
88	−1	1228	6	16	48.3	−1	24.2	8.9	✓
89	−1	1231	6	17	13.4	−1	21.1	7.2	✓
90	−0	1287	6	17	52.6	−0	51.8	6.4	✓
91	−0	1286	6	17	36.9	−0	16.7	8.5	✓
92	−0	1292	6	19	3.0	−0	41.5	7.9	✓
93	−0	1295	6	19	20.3	−0	59.5	8.5	✓
94	−1	1242	6	19	20.0	−1	25.3	6.5	✓
95	−1	1236	6	18	39.7	−1	44.4	8.5	✓
96	−0	1298	6	19	34.9	−0	57.7	8.4	✓
97	−0	1299	6	19	51.4	−0	11.8	6.2	✓
98	−0	1300	6	20	10.1	−0	31.8	8.7	✓
99	−0	1302	6	20	17.6	−0	47.1	8.4	✓
100	−0	1306	6	20	57.7	−0	38.4	8.6	✓
101	−0	1307	6	21	13.2	−0	38.1	7.9	✓
102	−0	1308	6	21	23.5	−0	28.8	7.3	✓
103	−1	1255	6	21	15.5	−1	30.0	8.1	✓
104	−2	1617	6	20	28.9	−2	34.1	8.2	✓
105	−3	1444	6	20	52.0	−3	2.6	8.8	✓
106	−3	1447	6	21	8.4	−3	22.1	9.0	✓
107	−2	1624	6	21	34.2	−2	20.1	8.2	✓
108	−2	1628	6	22	4.2	−2	7.1	9.0	✓

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I 37595 cont.

No.	Int.	Class	Remark
109	2	A2	
110	8	B5	
111	5	B5	
112	6	F5	
113	3	A	
114	5	B8	
115	2	K2	
116	4	B8	
117	2	F5	
118	2	Mb	
119	6	A5	
120	3	G5	
121	1	K	
122	2	F	Difficult
123	K2	G2	
124	K2	A	
125	2	A	
126	4	G5	
127	5	K0	
128	7	B9	
129	6	G5	
130	7	B9	
131	6	K0	
132	3	G5	
133	1	G5	Partly superposed on 132
134	4	B8	
135	6	K0	

109	−0.	1319	6	23	31.7	−0	50.2	8.6
110	−1	1274	6	26	16.0	−1	6.4	5.9 ✓
111	+0	1349	6	8	5.0	+0	52.4	7.8 ✓
112	+1	1275	6	8	25.3	+1	12.5	6.5 ✓
113	+0	1352	6	8	37.0	+0	53.1	8.4 ✓
114	+1	1278	6	8	52.5	+1	7.4	7.0 ✓
115	+1	1285	6	9	33.0	+1	43.8	8.1 ✓
116	+1	1290	6	10	5.3	+1	49.8	8.4 ✓
117	+1	1295	6	10	45.3	+1	36.7	8.7 ✓
118	+2	1196	6	13	28.3	+2	37.9	7.8 ✓
119	+2	1197	6	13	52.2	+2	20.1	7.0 ✓
120	+0	1390	6	13	21.5	+0	48.0	8.5 ✓
121	+0	1392	6	13	33.0	+0	18.2	8.5 ✓
122	+0	1395	6	14	28.2	+0	22.3	8.6 ✓
123	+1	1313 / 1484	6	15	48.4	+0	56.9 / 15.1	8.7 ✓
124	+0	1399	6	15	45.6	+0	17.8	9.0 ✓
125	+0	1403	6	16	27.3	+0	0.0	8.6 ✓
126	+0	1414	6	18	23.5	+0	53.3	7.5 ✓
127	+1	1332	6	17	47.3	+1	34.8	7.6 ✓
128	+2	1227	6	18	13.6	+2	21.2	6.9 ✓
129	+2	1237	6	19	44.8	+2	57.8	6.1 ✓
130	+2	1244	6	20	43.8	+2	0.5	7.1 ✓
131	+0	1421	6	19	31.0	+0	55.0	7.6 ✓
132	+0	1418	6	19	16.9	+0	32.0	8.0 ✓
133	+0	1419	6	19	19.7	+0	31.1	9.0 ✓
134	+0	1425	6	19	44.0	+0	13.1	8.2 ✓
135	+0	1426	6	19	46.7	+0	22.9	5.9 ✓

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I 37595 cut.

No.	Int.	Class	Remark
136	5	Ao	
137	2	A	
138	3	A	
139	4	Ma	
140	3	~~B5~~	E.
141	4	B9	
Time 23.23 142	8	B5	
~~143~~			
~~144~~			

136	+0	1437	6	21	27.7	+0	13.1	7.9V
137	+1	1363	6	21	38.3	+1	26.8	8.6
138	+1	1370	6	22	31.8	+1	24.8	8.7
139	+2	1253	6	21	40.5	+2	44.3	6.8
140	+3	1279	6	23	47.5	+3	6.1	8.0
141	+2	1273	6	24	12.0	+2	6.8	7.8
142	+0	1491	6	27	48.3	+0	59.9	6.6
~~143~~								
~~144~~								

Identified by C. D. A. April 4, 1912

Checked by A.M.C. April 18, 1912

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March 26, 1912

Time: 23.

B 38 135 short disp.

B 14357

No.	Int.	Class	Remark
1	3	K5	
2	7	ly0	
3	3	ly0	
4	6	F8	
5	3	K0	
6	4	ly0	
7	3	K2	
8	4	K2	
9	7	K2	
10	4	ly5	
11	3	Mb	
12	4	F5	
13	2	K2	
14	6	F2	
15	5	K2	
16	5	ly5	
17	6	ly0	
18	3	K0	
19	8	ly0	
20	2	K2	
21	5	K0	
22	4	A2	
23	3	ly5	
24	3	B9	
25	6	F8	
26	4	A5	
27	2	A	

1	-79°	12 13	2 21	39.0	-79	57.0	9.4	✓
2	-79°	12 15	2 21	39.7	-79	49.3	8.9	✓
3	-79°	12 19	2 21	46.6	-79	25.7	9.2	✓
4	-79°	12 20	2 21	51.0	-79	33.3	8.4	✓
5	-79°	12 17	2 22	43.8	-79	50.0	9.5	✓
6	-79°	12 18	2 22	45.8	-79	53.2	9.2	✓
7	-80°	10 59	2 22	44.4	-80	0.1	9.6	✓
8	-80°	10 58	2 22	44.2	-80	6.0	9.4	✓
9	-80°	10 57	2 22	43.8	-80	22.9	8.6	✓
10	-79°	12 21	2 22	52.8	-79	57.3	9.3	✓
11	-79°	12 22	2 22	53.9	-79	36.7	9.7	✓
12	-79°	12 25	2 22	55.3	-79	14.1	9.4	✓
13	-79°	12 26	2 22	55.4	-79	17.7	9.5	✓
14	-79°	12 27	2 22	57.8	-79	20.0	8.5	✓
15	-79°	12 28	2 23	0.2	-79	26.2	9.0	✓
16	-78°	14 63	2 23	57.6	-78	58.8	9.0	✓
17	-79°	12 29	2 23	3.9	-79	1.3	8.4	✓
18	-79°	12 30	2 23	4.1	-79	6.5	9.4	✓
19	-78°	14 67	2 23	5.2	-78	58.4	9.3	✓
20	-79°	12 31	2 23	5.4	-79	0.9	9.4	✓
21	-78°	14 68	2 23	6.4	-78	34.4	8.6	✓
22	-78°	14 69	2 23	10.4	-78	17.3	8.9	✓
23	-77°	15 71	2 23	13.8	-77	59.1	9.4	✓
24	-78°	14 70	2 23	13.7	-78	15.5	9.3	✓
25	-78°	14 71	2 23	14.3	-78	28.3	8.0	✓
26	-78°	14 72	2 23	14.8	-78	51.4	8.8	✓
27	-79°	12 32	2 23	13.5	-79	3.1	9.6	✓

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B38 13.5 short disp.

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No.	Int.	Class	Remark
28	4	Ly5	
29	5	F8	
30	3	K0	
31	5	A2	
32	6	F0	
33	7	A5	
34	10	Ly5	Burned out.
35	3	K0	
36	4	K0	
37	6	F	
38	3	K2	
39	7	A	
40	4	K0	
41	4	Ly5	
42	4	Ly5	
43	5	F2	
44	3	Ly0	
45	2	K0	
46	3	Ly5	
47	3	Ly0	
48	3	K0	
49	3	F2	
50	8	Ly0	
51	6	K0	
52	3	Ly5	
53	3	K0	
54	3	Ly5	

72
71
67
66

28	-79°	1233	2.3	17.4	-79	40.7	9.1 ✓	
29	-79°	1234	2.3	18.5	-79	31.6	8.8 ✓	
30	-79°	1235	2.3	21.7	-79	15.7	9.0 ✓	
31	-79°	1236	2.3	24.6	-79	37.5	8.5 ✓	
32	-79°	1238	2.3	26.8	-79	46.0	8.7 ✓	
33	-80°	1065	2.3	7.8	-80	7.0	7.8 ✓	
34	-80°	1067	2.3	9.6	-80	9.3	7.0 ✓	
35	-80°	1069	2.3	15.6	-80	25.5	9.5 ✓	
36	-80°	1063	2.3	58.0	-80	53.0	9.4 ✓	
37	-81°	1027	2.3	6.2	-81	11.7	8.1 ✓	
38	-81°	1028	2.3	7.5	-81	4.4	9.2 ✓	
39	-81°	1029	2.3	8.0	-81	6.4	7.6 ✓	
40	-81°	1026	2.3	5.8	-81	26.4	9.0 ✓	
41	-81°	1032	2.3	15.9	-81	11.7	8.6 ✓	
42	-81°	1034	2.3	18.0	-81	0.4	8.8 ✓	
43	-80°	1071	2.3	25.8	-80	47.3	8.4 ✓	
44	-80°	1073	2.3	29.6	-80	23.7	9.3 ✓	
45	-80°	1074	2.3	30.9	-80	27.5	9.3 ✓	
46	-80°	1078	2.3	29.5	-80	44.5	9.5 ✓	
47	-80°	1076	2.3	33.8	-80	54.5	9.2 ✓	
48	-80°	1077	2.3	37.6	-80	37.5	9.7 ✓	
49	-81°	1041	2.3	33.1	-81	14.6	9.0 ✓	
50	-80°	1078	2.3	43.7	-80	35.7	7.8 ✓	
51	-81°	1044	2.3	46.4	-81	2.1	8.4 ✓	
52	-80°	1079	2.3	47.9	-80	51.8	9.6 ✓	
53	-80°	1084	2.3	55.2	-80	32.3	10.0 ✓	
54	-80°	1083	2.3	58.7	-80	39.3	9.5 ✓	

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65

No.	Int.	Class	Remark
55	5	J2	
56	8	J0	
57	4	K0	
58	X3	ly5	
59	4	A	
60	7	A0	
61	4	J	
62	5	J5	
63	5	ly	
64	4	Mb	
65	4	J2	
66	4	ly5	
67	3	J5	
68	4	J5	
69	4	K2	
70	4	K5	
71	6	J2	
72	8	ly0	
73	3	K2	
74	3	ly5	
75	8	A2	
76	5	ly5	
77	4	ly5	
78	4	K0	
79	2	ly	
80	3	ly5	
81	4	A2	

55	−80°	1′	0′	0.2	−80	27.9	8.8	✓
56	−81°	10 50	2 3	57.6	−81	5.4	7.3	✓
57	−81°	10 46	2 3	53.6	−81	22.2	9.2	✓
58	−81°	10 45	2 3	52.2	−81	49.3	9.3	✓
59	−81°	10 47	2 3	55.6	−81	58.8	9.2	✓
60	−82°	9 08	2 3	58.3	−82	2.5	8.7	✓
61	−82°	2′	0′	1.2	−82	10.9	9.0	✓
62	−82°	3′	0′	3.9	−82	2.7	8.9	✓
63	−82°	6′	0′	16.0	−82	18.4	8.7	✓
64	−82°	7	0	16.6	−82	22.2	9.2	✓
65	−81°	9′	0′	19.2	−81	44.6	9.4	✓
66	−81°	8′	0′	20.6	−81	31.6	9.7	✓
67	−81°	4′	0′	21.1	−81	53.7	9.7	✓
68	−81°	6′	0′	24.4	−81	55.1	9.0	✓
69	−82°	17 0	0	~~30.6~~ 28.7	−82	~~42.4~~ 20.8	~~8.6~~ 9.2	✓
70	−81°	7′	0′	31.7	−81	57.8	9.7	✓
71	−81°	8′	0′	34.5	−81	57.9	8.7	✓
72	−81°	9′	0′	36.2	−81	20.6	7.8	✓
73	−81°	10′	0′	40.0	−81	1.1	9.4	✓
74	−80°	14′	0′	45.5	−80	52.6	9.3	✓
75	−81°	12′	0′	49.2	−81	2.1	8.3	✓
76	−81°	14′	0′	51.8	−81	20.5	8.9	✓
77	−81°	15′	0′	53.6	−81	23.0	9.1	✓
78	−80°	12′	0′	41.6	−80	20.8	9.1	✓
79	−80°	11′	0′	41.5	−80	7.2	9.4	✓
80	−80°	13′	0′	44.6	−80	12.8	9.2	✓
81	−79°	16′	0′	42.2	−79	30.3	9.0	✓

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No.	Int.	Class	Remark
82	3	F8	
83	3	F	
84	3	K2	
85	4	F8	
86	7	A0	
87	8	A0	
88	2	dy	
89	2	dy5	
90	7	dy5	
91	8	A	
92	3	dy5	
93	4	F5	
94	4	K0	
95	3	dy0	
96	3	Ma	
97	4	K2	
98	7	A5	
99	5	Mb	
Time 23.45 100	6	A	
" 22.50 101	7	K0	
102	8	K0	
103	9	dy	E.
104	9	dy	E.
105	6	F5	E.
106	3	dy5	
107	6	dy5	
108	6	F5	

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82	−79°	19	0	46.8	−79	53.7	9.0	✓
83	−80°	15	0	48.5	−80	37.3	9.2	✓
84	−79°	22	0	50.7	−79	50.9	9.5	✓
85	−79°	23	0	56.6	−79	1.3	9.1	✓
86	−79°	25	1	1.1	−79	0.8	7.8	✓
87	−78°	29	1	2.2	−78	58.1	7.9	✓
88	−79°	29	1	4.6	−79	22.4	9.4	✓
89	−79°	28	1	4.2	−79	6.3	9.3	✓
90	−78°	28	0	59.6	−78	13.2	8.1	✓
91	−78°	30	1	2.7	−78	15.2	7.2	✓
92	−78°	31	1	5.0	−78	45.6	9.2	✓
93	−79°	30	1	6.7	−79	5.1	8.7	✓
94	−79°	32	1	8.6	−79	22.1	9.3	✓
95	−79°	33	1	10.7	−79	43.2	9.3	✓
96	−79°	27	1	4.0	−79	54.2	9.3	✓
97	−79°	31	1	6.9	−79	53.5	9.3	✓
98	−80°	17	1	10.3	−80	46.6	8.2	✓
99	−80°	20	1	15.4	−80	42.9	9.0	✓
100	−81°	22	1	17.1	−81	53.1	8.6	✓
101	−82°	22	1	16.7	−82	12.0	8.2	✓
102	−82°	16	1	6.0	−82	19.0	8.4	✓
103	−77°	46	1	16.7	−77	41.3	8.0	✓
104	−76°	93	1	16.8	−76	48.3	7.5	✓
105	−76°	91	1	13.2	−76	37.4	8.0	✓
106	−76°	90	1	9.7	−76	58.2	9.9	✓
107	−77°	43	1	4.4	−77	20.5	8.5	✓
108	−77	45	1	7.4	−77	52.2	8.3	✓

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B

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No.	Fut.	Class	Remark
109	3	K0	
110	3	ly	
111	3	K2	
112	2	ly5	
113	2	K	
114	7	ly5	
115	4	K8	
116	2	K5	
117	4	K0	
118	2	ly	
119	2	ly5	
120	4	ly0	
121	10	ly5	76
122	2	ly5	
123	4	K0	
124	4	ly5	
125	4	K2	
126	4	K0	
127	2	K5	
128	4	ly0	
129	5	G5	
130	4	K5	
131	10	ly0	63
132	3	ly5	
133	4	G2	
134	8	ly5	64
135	7	ly0	

109	−77°	42′	1′	1.7	−77	35.2	9.2	✓
110	−77°	41′	1′	1.2	−77	13.7	9.6	✓
111	−77°	39′	0′	58.2	−77	28.1	9.4	✓
112	−77°	40′	0′	58.7	−77	42.0	9.3	✓
113	−77°	38′	0′	56.8	−77	20.8	9.6	✓
114	−77°	37′	0′	53.8	−77	13.9	8.3	✓
115	−78°	27′	0′	55.9	−78	8.7	9.0	✓
116	−78°	26′	0′	54.4	−78	8.9	9.2	✓
117	−78°	25′	0′	50.8	−78	32.2	9.1	✓
118	−79°	20′	0′	47.7	−79	10.6	9.3	✓
119	−79°	21′	0′	47.9	−79	19.1	9.3	✓
120	−78°	23′	0′	44.2	−78	56.8	8.9	✓
121	−78°	21′	0′	40.7	−78	46.1	7.6	✓
122	−79°	15′	0′	40.8	−79	5.6	9.4	✓
123	−79°	12′	0′	32.0	−79	9.1	9.4	✓
124	−79°	11′	0′	30.7	−79	11.9	9.5	✓
125	−79°	10′	0′	28.8	−79	21.5	9.2	✓
126	−79°	13′	0′	33.0	−79	46.2	9.0	✓
127	Approx	1875	0	28	−80	38		✓
128	−80°	10′	0′	22.4	−80	41.3	9.4	✓
129	−80°	9′	0′	17.7	−80	0.2	9.0	✓
130	−80°	8′	0′	16.4	−80	33.6	9.2	✓
131	−80°	7′	0′	10.4	−80	32.6	6.7	✓
132	−80°	4′	0′	6.6	−80	53.7	9.0	✓
133	−80°	5′	0′	7.3	−80	12.2	9.2	✓
134	−80	3′	0′	5.9	−80	52.2	7.4	✓
135	−79°	8′	0′	12.4	−79	55.5	7.6	✓

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No.	Int.	Class	Remark	
136	10	F5		
137	3	K0		
138	1	F5		
139	2	G5		
140	1	G		
141	8	G5		57
142	4	G5		59
143	8	F5		60
144	1	K		
145	9	A		58
146	5	K0		56
147	6	K0		70
148	2	G0		
149	5	G0		69
150	6	A		68
151	2	K2		
152	3	K0		
153	1	G5		
154	10	G		
155	2	K0		
156	2	F8	The following of two.	
157	8	G5		
158	1	K		
159	1	G5		
160	5	G5		42
161	4	A		
162	3	F8		

136	−79°	7′	0″	11.2	−79	28.4	6.4	✓
137	−79°	6′	0″	10.7	−79	22.3	9.4	✓
138	Approx	1875	0	10	−79	6		✓
139	−79°	6′	0″	9.2	−79	5.6	9.8	✓
140	Approx	1875	0	6	−79	10		✓
141	−78°	4′	0″	4.2	−78	59.8	7.9	✓
142	−79°	3′	0″	3.9	−79	17.1	9.0	✓
143	−79°	4′	0″	4.1	−79	41.8	8.4	✓
144	−79°	2′	0″	3.6	−79	32.1	10.0	✓
145	−79°	1′	0″	1.9	−79	17.7	6.5	✓
146	−78°	2′	0″	1.9	−78	54.4	8.3	✓
147	−79°	1249	23′	59.1	−79	57.0	8.0	✓
148	−79°	1247	23′	55.7	−79	58.6	9.0	✓
149	−79°	1245	23′	53.8	−79	45.2	8.4	✓
150	−79°	1244	23′	50.9	−79	57.7	7.7	✓
151	−80°	1080	23′	48.0	−80	12.9	9.9	✓
152	−79°	1242	23′	44.7	−79	51.3	9.0	✓
153	Approx	1875	23′	41	−79	45		✓
154	−79°	1239	23′	37.0	−79	29.1	6.4	✓
155	−79°	1248	23′	58.5	−79	15.7	9.7	✓
156	−79°	1246	23′	54.4	−79	16.1	9.6	✓
157	−79°	1243	23′	47.9	−79	12.0	7.9	✓
158	−79°	1241	23′	42.4	−79	16.6	9.9	✓
159	−79°	1240	23′	40.5	−79	22.3	9.9	✓
160	−78°	1481	23′	36.4	−78	48.8	8.6	✓
161	−78°	1477	23′	33.6	−78	51.5	8.8	✓
162	−78°	1476	23′	32.6	−78	54.2	9.0	✓

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B1H35

No.	Int.	Class	Remark
163	4	fy5	
164	6	fy0	
165	4	J0	
166	6	J0	
167	4	J2	
168	4	fy0	
169	3	J	Difficult. Partly superposed on 168.
170	4	J8	
171	2	fy	
172	10	fy	
173	10	fy	
174	4	J8	
175	4	fy0	
176	4	J5	
177	2	fy5	
178	2	J5	Difficult. Hazy.
179	3	J0	
180	3	fy5	
181	3	J0	
182	2	J2	
183	2	J2	
184	5	J2	
185	2	fy5	
186	3	J5	
187	6	Nb	
188	3	fy	
189	6	J2	

163	-78°	1474	2.3	29.4	-78	52.7	8.8	✓
164	-78°	1481	2.3	36.1	-78	30.0	8.6	✓
165	-78°	1483	2.3	38.8	-78	15.8	9.0	✓
166	-77°	1588	2.3	40.0	-77	55.7	8.3	✓
167	-77°	1587	2.3	39.2	-77	57.4	8.8	✓
168	-78°	1479	2.3	36.5	-78	30.0	8.2	✓
169	-78°	1480	2.3	36.1	-78	15.3	9.2	✓
170	-78°	1478	2.3	34.5	-78	20.6	8.8	✓
171	-78°	1475	2.3	30.4	-78	0.8	9.6	✓
172	-77°	1583	2.3	30.6	-77	33.6	6.9	✓
173	-78°	1473	2.3	25.2	-78	4.5	6.4	✓
174	-78°	1574	2.3	19.3	-78	52.8	9.0	✓
175	-77°	1575	2.3	19.8	-77	39.0	9.1	✓
176	-77°	1573	2.3	18.6	-77	28.5	9.0	✓
177	-77°	1570	2.3	8.5	-77	57.8	9.7	✓
178	-77°	1568	2.3	7.7	-77	47.9	9.4	✓
179	-77°	1569	2.3	8.2	-77	36.8	9.4	✓
180	-77°	1566	2.3	5.1	-77	35.8	9.4	✓
181	-77°	1565	2.3	4.1	-77	57.3	9.4	✓
182	-78°	1466	2.3	2.6	-78	27.6	9.6	✓
183	-78°	1465	2.3	1.4	-78	17.6	9.5	✓
184	-78°	1464	2.3	0.6	-78	14.9	9.2	✓
185	-77°	1567	2.3	5.3	-77	21.0	9.5	✓
186	-77°	1564	2.3	1.7	-77	31.0	9.2	✓
187	-77°	1563	2.3	1.6	-77	8.4	8.6	✓
188	-77°	1560	2.2	55.0	-77	47.9	9.5	✓
189	-77°	1561	2.2	55.3	-77	36.0	9.0	✓

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B 14359

No.	Int.	Class	Remark
190	4	fg5	
191	5	fg	E.
192	7	F5	E. Double(?) edge on fol. side same class of spectrum. 35
193	4	F	
194	6	A	E. 34
195	3	Fnd	H & bright.
196	4	fg	E.
197	2	K0	
198	5	A3	29
199	4	F5	
200	4	A2	
201	5	F5	
202	3	A3	
203	3	fg0	
204	3	fg0	
205	4	fg5	
206	7	F5	75
207	3	K0	
208	5	F0	
209	4	fg0	
210	5	fg5	74
211	3	K0	
212	4	fg0	
213	8	F0	54
214	10	fg5	58
215	6	F8	821
1216	3	F5	

190	-77°	1559	22	53.3	-77	29.1	9.0	✓
191	-76°	86	0	58.7	-76	28.2	9.2	✓
192	-76°	81 (82)	0	56.0 (58.1)	-76 (76)	29.2 (57.2)	8.3 (8.9)	✓
193	-76°	84	0	56.7	-76	57.5	8.9	✓
194	-76°	80	0	52.8	-76	5.2	8.5	✓
195	approx	1875	0	51	-76	46		✓
196	-75°	66	0	47.9	-75	33.0	8.7	✓
197	-77°	34	0	47.8	-77	4.0	9.8	✓
198	-76°	79	0	42.6	-76	43.9	8.7	✓
199	-76°	77	0	41.3	-76	36.1	8.6	✓
200	-77°	32	0	45.0 (2)	-77	14.1	9.1	✓
201	-77°	33	0	42.5	-77	36.4	8.9	✓
202	-77°	31	0	35.4	-77	31.1	9.7	✓
203	-77°	30	0	33.4	-77	52.0	9.4	✓
204	-78°	17	0	35.1	-78	3.2	9.4	✓
205	-78°	16	0	34.5	-78	25.0	8.8	✓
206	-78°	14	0	32.9	-78	10.3	8.2	✓
207	-78°	13	0	29.6	-78	19.0	9.7	✓
208	-78°	12	0	26.8	-78	34.0	8.8	✓
209	-79°	9	0	22.5	-79	13.1	9.2	✓
210	-78°	11	0	19.4	-78	56.6	8.5	✓
211	-78°	10	0	18.7	-78	20.2	10.0	✓
212	-78°	8	0	15.0	-78	31.8	9.4	✓
213	-78°	6	0	13.6	-78	41.0	7.5	✓
214	-78°	9	0	16.1	-78	7.2	7.0	✓
215	-77°	10	0	14.9	-77	55.0	7.8	✓
216	-78°	7	0	13.9	-78	4.5	9.3	✓

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March 27, 1912

B38135 short disp.

No.	Int.	Class.	Remark	B1/357
217	5	Q0		49
218	7	F2		50
219	1	ly		
220	1	ly5		
221	5	K0		48
222	2	ly5		
223	4	ly5		
224	5	ly5		55
225	2	ly0		
226	6	F0		47
227	3	ly0		
228	5	A		45
229	4	ly5		
230	1	ly5		
231	4	F2		
232	5	ly5		
233	3	A		
234	5	K0		
235	5	F5		
236	2	ly		
237	4	ly5		
238	3	F5		
239	4	K0		37
240	1	K		
241	3	F2		
242	4	ly5		
243	1	K0		

217	-77°	8′	0″	13.4	-77	34.2	8.6 ✓
218	-77°	15′	0″	18.0	-77	25.1	7.8 ✓
219	-77°	13′	0″	16.2	-77°	29.4	9.8 ✓
220	-77°	12′	0″	15.2	-77	31.5	10.0 ✓
221	-77°	5′	0″	7.6	-77	26.1	8.4 ✓
222	-78	5′	0″	6.8	-78	14.1	10.0 ✓
223	-78°	3′	0″	4.0	-78	10.6	8.8 ✓
224	-78°	1′	0″	1.3	-78	11.4	8.6 ✓
225	-77°	2′	0″	2.3	-77	17.3	9.2 ✓
226	-77°	1′	0″	1.0	-77	25.5	7.8 ✓
227	-77°	1599	23′	58.2	-77	34.1	9.0 ✓
228	-77°	1594	23′	54.0	-77	43.0	8.0 ✓
229	-77°	1600	23′	58.2	-77	2.6	9.0 ✓
230	-77°	1595	23′	54.5	-77	18.9	9.8 ✓
231	-77°	1593	23′	44.8	-77	28.1	8.8 ✓
232	-76°	1624	23′	47.6	-76	51.7	8.4 ✓
233	-76°	1620	23′	46.8	-76	45.0	9.6 ✓
234	-77°	1592	23′	44.5	-77	2.9	8.9 ✓
235	-77°	1589	23′	41.4	-77	1.6	9.0 ✓
236	-77°	1585	23′	37.0	-77	15.6	9.8 ✓
237	-76°	1605	23′	32.0	-76	55.4	8.8 ✓
238	-77°	1581	23′	30.0	-77	13.4	9.4 ✓
239	-76°	1606	23′	32.3	-76	48.2	9.2 ✓
240	-76°	1601	23′	29.5	-76	46.2	9.8 ✓
241	-76°	1600	23′	29.2	-76	31.4	9.4 ✓
242	-76°	1592	23′	26.1	-76	17.3	9.2 ✓
243	-76°	1587	23′	22.4	-76	40.9	10.0 ✓

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B 38125 short disp.

No.	Int	Class	Remark
244	4	Ly5	
245	5	F8	
246	5	Ma	
247	7	F2	
248	6	F5	
249	2	K0	
250	3	F5	
251	2	A	
252	6	F5	
253	2	Ly5	
254	2	K0	
255	1	K0	
256	9	F2	
257	4	F8	
258	4	F2	
259	4	A5	
260	7	A0	
261	3	K5	
262	9	F0	
263	2	A	
264	4	F5	
265	5	K0	
266	4	K0	
267	4	K0	
268	3	A5	
269	4	F	
270	5	A	

B 1H 357

36

28

26

35

77

24

23

24

2.3

244	-78°6	1585	23	21.3	-78°6	37.8	9.2	/
245	-76°	1582	23	19.3	-76	42.3	8.7	✓
246	-76°	1579	23	16.8	-76	47.3	9.4	✓
247	-77°	1577	23	21.6	-77	0.9	8.2	✓
248	-75°	1784	23	25.6	-75	32.7	8.2	✓
249	-75°	1782	23	22.0	-75	47.4	9.5	✓
250	-76°	1584	23	20.4	-76	3.9	9.3	✓
251	-76°	1581	23	18.7	-76	19.5	9.5	✓
252	-77°	1583	23	19.4	-77	6.3	8.3	✓
253	-76°	1578	23	16.7	-76	13.4	9.6	✓
254	-76°	1577	23	14.4	-76	18.1	9.6	✓
255	Approx	1875	23	16	-76	36		✓
256	-76°6	1578	23	12.1 -0.1	-76	18.9 ~~34.3~~	7.2 ~~8.4~~	✓
257	-76°	1575	23	8.0.	-76	12.9	8.8 6	✓
258	-76°	72	0	36.8	-76	29.8	8.4	✓
259	-75°	57	0	34.1	-75	50.3	8.6	✓
260	-76°	68	0	32.7	-76	17.6	7.8	✓
261	-76°	69	0	32.8	-76	58.8	9.2	✓
262	-76°	67	0	32.2	-76	59.9	6.9	✓
263	-76°	64 5	0	31.0	-76	23.2	9.2	✓
264	-76°	61	0	29.7	-76	16.7	8.6	✓
265	-76°	60	0	29.2	-76	6.7	8.8	✓
266	-76°	59	0	28.9	-76	23.7	9.0	✓
267	-76°	58	0	28.0	-76	34.5	9.2	✓
268	-76°	57	0	27.7	-76	11.5	9.2	✓
269	-75°	47	0	27.2	-75	56.9	9.2	✓
270	-75°	40	0	23.8	-75	27.7	8.8	✓

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B 38135 shot disp.

No.	Fut.	Class.	Remark
271	3	Gpo	
272	6	Gp5	
273	3	Gpo	
274	7	Gpo	
275	2	G	
276	5	Gpo	
277	4	K0	
278	2	K5	
279	4	K5	
280	4	K8	
281	4	K5	
282	3	K8	
283	6	K8	
284	9	Gpo	
285	5	K8	
286	8	K0	
287	5	Gpo	
288	3	K0	
289	7	K0	
290	3	K0	
291	7	K0	
292	2	K5	
293	2	G	
294	7	G0	
295	5	K5	
296	3	K2	
297	4	K0	

271	- 76°	43	0	22.8	- 76	16.0	9.2	✓
272	- 76°	40	0	22.4	- 76	18.3	8.4	✓
273	- 76°	38	0	21.8	- 76	28.5	9.2	✓
274	- 76°	36	0	18.9	- 76	22.2	8.4	✓
275	- 77°	28	0	27.4	- 77	9.2	9.8	✓
276	- 77°	25	0	26.1	- 77	44.6	9.0	✓
277	- 76°	50	0	24.3	- 76	37.8	9.0	✓
278	- 76°	46	0	23.6	- 76	50.1	10.0	✓
279	- 77°	19	0	21.8	- 77	0.7	9.6	✓
280	- 77°	17	0	20.6	- 77	1.3	9.4	✓
281	- 74°	35	0	17.9	- 74	41.9	8.2	✓
282	- 76°	27	0	15.1	- 76	27.1	9.2	✓
283	- 76°	22	0	12.6	- 76	21.5	8.6	✓
284	- 76°	19	0	10.2	- 76	36.4	7.4	✓
285	- 75°	20	0	12.6	- 75	55.0	8.4	✓
286	- 75°	16	0	8.2	- 75	36.5	7.7	✓
287	- 75°	15	0	7.9	- 75	22.9	8.9	✓
288	- 76°	13	0	7.8	- 76	10.8	9.8	✓
289	- 76°	11	0	5.9	- 76	10.4	8.4	✓
290	- 75°	8	0	3.0	- 75	7.1	9.2	✓
291	- 74°	7	0	2.5	- 74	56.0	8.2	✓
292	- 75°	2	0	0.2	- 75	5.8	9.4	✓
293	- 75°	1828	23	56.4	- 75	17.5	9.8	✓
294	- 74°	2117	23	50.5	- 74	59.9	8.6	✓
295	- 75°	1818	23	47.5	- 75	19.3	9.2	✓
296	- 75°	1816	23	45.3	- 75	36.1	9.4	✓
297	- 75°	1811	23	43.0	- 75	13.6	9.2	✓

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B 8 135 short disp.

B 14357

No.	Int.	Class	Remark
298	6	K0	
299	4	Ly0	
300	5	Ca2	
301	4	F5	
302	3	F5	
303	3	K5	
304	2	K0	
305	2	K0	
306	4	Ly5	
Time 23.30 307	3	F2	
" 22.28 308	1	K0	
309	3	F5	
310	3	Ly0	
311	5	F0	
312	4	Ly0	
313	3	Ly5	
314	2	Ly5	
315	4	F8	
316	5	K0.	
317	3	Ly0	
318	4	Ly5	
319	4	Ly5	
320	3	F	E.
321	3	F	E.
322	6	Ly0	
323	5	F8	
324	7	F8	

298	− 75°	1802	23	38.0	− 75	19.8	8.9	✓
299	− 75°	1800	23	36.9	− 75	51.1	9.2	✓
300	− 76°	1609	23	36.3	− 76	15.3	9.0	✓
301	− 75°	1796	23	34.5	− 75	35.3	9.2	✓
302	− 75°	1797	23	35.2	− 75	24.8	9.6	✓
303	− 75°	1793	23	32.4	− 75	56.3	10.2	✓
304	− 75°	1790	23	29.4	− 75	50.3	9.8	✓
305	− 76°	1614	23	40.2	− 76	10.6	9.8	✓
306	− 76°	1626	23	48.4	− 76	12.7	9.4	✓
307	− 76°	1627	23	49.7	− 76	16.4	9.8	✓
308	− 76°	1639	23	58.5	− 76	3.6	10.2	✓
309	− 75°	1830	23	59.3	− 75	52.6	9.8	✓
310	− 75°	5	0	2.4	− 75	50.1	9.8	✓
311	− 75°	27	0	15.5	− 75	34.2	8.4	✓
312	− 75°	33	0	18.5	− 75	56.5	9.2	✓
313	− 75°	36	0	19.6	− 75	57.5	9.6	✓
314	− 75°	35	0	19.4	− 75	44.5	9.6	✓
315	− 75°	34	0	19.0	− 75	31.0	9.0	✓
316	− 75°	37	0	20.0	− 75	5.9	8.9	✓
317	− 74°	35	0	19.3	− 74	55.7	9.2	✓
318	− 74°	29	0	15.1	− 74	40.3	9.4	✓
319	− 74°	37	0	20.6	− 74	19.4	9.0	✓
320	− 74°	40	0	21.2	− 74	28.3	9.2	✓
321	− 74°	42	0	22.9	− 74	57.5	9.4	✓
322	− 75°	55	0	31.0	− 75	33.5	8.4	✓
323	− 75°	1776	23	6.8	− 75	12.2	8.6	✓
324	− 75°	1777	23	10.0	− 75	12.0	7.9	✓

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B 38135 shut disp.

No	Int.	Class	Remark	B 14357
325	3	K0		
326	2	F5		
327	2	F5		
328	8	G5		
329	4	F2		
330	4	A		
331	6	G5		
332	5	A3		
333	5	G0		
334	6	G5		
335	8	G0		
336	5	Nb	The following of two.	
337	4	G5		
338	2	G		
339	4	K0		
340	2	K		
341	8	F5		3
342	8	F8		2
343	5	G5		5
344	3	G5		
345	4	G0		
346	3	K2		
347	5	A0		8
348	3	K0		
349	9	A5		10
350	1	Nb		
351	3	G5		

325	−74°	2065	23	13.8	−74	51.0	9.0 ✓
326	−75°	1779	23	14.3	−75	4.0	9.5 ✓
327	−74°	2067/8	23	18.0	−74	34.4	9.3 ✓
328	−74°	2068	23	18.9	−74	31.3	8.1 ✓
329	−74°	2064	23	13.7	−74	23.4	8.2 ✓
330	−74°	2066	23	16.3	−74	3.0	8.5 ✓
331	−73°	2286	23	17.1	−73	57.7	8.2 ✓
332	−73°	2288	23	20.6	−73	58.0	8.5 ✓
333	−73°	2287	23	19.3	−73	34.0	8.1 ✓
334	−74°	2076	23	26.2	−74	25.5	8.4 ✓
335	−74°	2071/4	23	23.2	−74	49.4	8.2 ✓
336	−74°	2078/9	23	24.2	−74	54.0 / 54.4	8.8 ✓
337	−74°	1786	23	26.7	−75	15.0	9.2 ✓
338	−74°	2083	23	30.3	−74	36.2	9.2 ✓
339	−74°	2088	23	34.2	−74	28.3	9.2 ✓
340	−74°	2085	23	32.5	−74	55.6	9.8 ✓
341	−74°	2091	23	36.2	−74	54.5	7.8 ✓
342	−73°	2313	23	40.0	−73	47.5	7.7 ✓
343	−74°	2108	23	46.2	−74	37.4	8.9 ✓
344	−74°	2111	23	47.8	−74	38.9	9.2 ✓
345	−74°	2122	23	52.4	−74	45.1	9.0 ✓
346	−74°	2126	23	53.0	−74	40.2	9.2 ✓
347	−74°	2133	23	58.2	−74	32.8	8.3 ✓
348	−74°	3	0	1.0	−74	37.9	9.2 ✓
349	−73°	4	0	4.5	−73	55.4	6.9 ✓
350	−74°	14	0	6.5	−74	46.8	10.0 ✓
351	−74°	15	0	6.9	−74	43.9	9.4 ✓

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B38 135 shot disp.

No	Int.	Class	Remark
352	3	fg 0	
353	6	fg 5	
354	6	fg 10	

time: 22.37

352	−74°	18′	0″	10.2	−74′	42.3	9.2	✓
353	−74°	20′	0″	11.5	−74′	39.3	8.6	✓
354	−74°	22′	0″	11.9	−74′	22.3	8.6	✓

Cards made out

Ident. by A.M.C. April 20, 1912

Checked by J.C.M. May 2, 1912.

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March 28, 1912

Time: 22.38

I 37 580

Nr.	Int.	Class	Remark
1	7	B8	E.
2	4	A0	E.
3	2	A	E.
4	8	Bq	E.
5	9	Bq	E.
6	4	$\frac{1}{2}$5	
7	3	A2	
8	2	A	
9	2	A	
10	2	A0	
11	2	$\frac{1}{2}$5	
12	2	$\frac{1}{2}$	
13	8	A2	
14	2	A0	
15	2	$\frac{1}{2}$5	
16	2	A	
17	2	A	Partly superposed on 16
18	6	$\frac{1}{2}$	E. Focus poor.
19	2	F2	
20	5	K0	
21	3	A	Partly superposed on 20
22	2	A3	Difficult
23	5	F0	
24	3	A0	
25	6	A0	
26	2	Bq	
27	2	F5	

1	+0.°	1909	7	13.1	+0	39.9	7.5 ✓
2	−0.°	1689	7	19.4	−0	38.8	8.7 ✓
3	−0.°	1685	7	13.8	−0	6.8	9.0 ✓
4	+0.°	1918	7	15.1	+0	0.8	7.6 ✓
5	+0.°	1915	7	14.6	+0	27.4	7.0 ✓
6	+0.°	1916	7	15.0	+0	58.5	7.0 ✓
7	+0.°	1921	7	15.9	+0	49.7	7.9 ✓
8	+0.°	1920	7	15.7	+0	3.8	8.7 ✓
9	+0.°	1932	7	16.9	+0	3.8	9.0 ✓
10	+0.°	1935	7	18.0	+0	45.4	8.9 ✓
11	+0.°	1936	7	18.1	+0	31.1	9.0 ✓
12	+0.°	1940	7	18.6	+0	36.6	8.7 ✓
13	−0.°	1721	7	19.2	−0	11.2	8.0 ✓
14	+1.°	1808	7	19.3	+1	12.0	9.4 ✓
15	+0.°	1944	7	19.6	+0	31.1	8.5 ✓
16	+0.°	1947	7	19.9	+0	7.5	8.8 ✓
17	−0.°	1725	7	19.9	−0	7.8	8.8 ✓
18	−1.°	1707	7	18.7	−1	57.0	7.7 ✓
19	+0.°	1951	7	20.1	+0	39.3	9.0 ✓
20	+0.°	1953	7	20.8	+0	44.2	8.5 ✓
21	+0.°	1952	7	20.7	+0	52.8	8.9 ✓
22	+1.°	1819	7	21.3	+1	3.7	9.2 ✓
23	+0.°	1961	7	22.3	+0	51.2	8.5 ✓
24	+1.°	1825	7	22.8	+1	0.1	8.9 ✓
25	+0.°	1971	7	23.5	+0	27.4	8.0 ✓
26	+0.°	1973	7	23.7	+0	27.8	8.6 ✓
27	+0.°	1975	7	23.8	+0	3.1	8.9 ✓

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H 37 580

No.	Int.	Class	Remark
28	2	A	
29	2	A	
30	6	K0	E.
31	3	A0	
32	5	fg5	
33	4	fg5	E. Line K appears too faint. Comp?
34	4	A0	
35	5	F5	
36	3	A0	
37	3	K0	
38	3	A0	
39	2	A0	
40	1	fg5	
41	1	A5	
42	2	A3	
43	6	B8	
44	2	A	
45	1	fg5	
46	1	K	The for. of two.
47	4	B9	
48	2	B8	
49	9	A	E.
50	3	fg5	
51	3	fg5	
52	2	A	
53	2	fg5	
54	1	A2	

28	−0°	1731	7	21.7	−0	34.2	9.0 ✓
29	−0°	1734	7	22.4	−0	42.1	8.7 ✓
30	−1°	1738	7	22.0	−1	36.5	6.5 ✓
31	−0°	1740	7	23.4	−0	48.5	8.5 ✓
32	−0°	1743	7	23.9	−0	49.1	7.5 ✓
33	−1°	1745/1744	7	23.7	−1	51.8	8.2 ✓
34	−0°	1746	7	24.5	−0	13.0	9.0 ✓
35	−0°	1750	7	25.0	−0	11.7	8.3 ✓
36	+0°	1980	7	25.3	+0	0.6	9.0 ✓
37	+0°	1977	7	24.4	+0	45.8	8.2 ✓
38	+0°	1979	7	25.0	+0	47.8	8.5 ✓
39	+0°	1982	7	25.5	+0	57.6	8.8 ✓
40	+1°	1842	7	25.7	+1	8.3	9.0 ✓
41	+0°	1990	7	26.0	+0	55.1	9.0 ✓
42	+0°	1985	7	25.6	+0	26.5	9.2 ✓
43	+0°	1989	7	25.8	+0	28.6	8.5 ✓
44	+0°	1991	7	26.0	+0	33.4	9.0 ✓
45	+1°	1848	7	26.7	+1	9.4	9.0 ✓
46	+1°	1849	7	26.7	+1	25.6	8.8 ✓
47	+0°	1997	7	27.2	+0	29.4	8.1 ✓
48	+0°	1998	7	27.4	+0	27.4	8.7 ✓
49	−1°	1756	7	25.5	−1	44.0	7.7 ✓
50	−1°	1765	7	27.0	−1	0.4	8.2 ✓
51	+0°	2000	7	27.8	+0	50.1	8.7 ✓
52	+1°	1854	7	27.7	+1	40.0	9.0 ✓
53	+2°	1708	7	28.0	+2	12.0	8.5 ✓
54	+0°	2007	7	28.4	+0	59.6	9.2 ✓

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Nr	Int.	Class	Remark
55	2	A0	
56	2	A2	
57	8	Bq	
58	3	fg5	
59	3	$\frac{Bq}{Ap}$	
60	4	Ma	
61	4	A2	
62	3	fg5	
63	3	F5	
64	2	K2	
65	3	K5	E.
66	3	A5	E.
67	5	A0	
68	2	A0	
69	5	B8	E.
70	3	Bq	
71	4	Bq	
72	2	fg0	
73	2	A	
74	3	A2	
75	5	A0	
76	2	fg5	
77	7	A3	
78	5	Bq	
79	1	A	
80	6	fg5	
81	2	A	

55	+0°	2041	7	28.8	+0	10.4	9.0 ✓
56	+0°	2015	7	28.9	+0	29.5	9.0 ✓
57	+0°	2026	7	31.1	+0	50.4	7.3 ✓
58	+1°	1872	7	31.5	+1	17.3	8.0 ✓
59	+1°	1873	7	32.3	+1	36.7	8.8 ✓
60	+0°	2029	7	31.5	+0	3.9	7.7 ✓
61	+0°	2030	7	31.8	+0	26.4	8.3 ✓
62	−0°	1766	7	29.9	−0	52.9	8.3 ✓
63	−0°	1768	7	30.1	−0	40.4	8.8 ✓
64	−1°	1780	7	30.2	−1	1.4	8.5 ✓
65	−1°	1779	7	30.2	−1	42.7	8.0 ✓
66	−2°	2207	7	30.5	−2	16.5	7.8 ✓
67	−1°	1793	7	32.4	−1	5.7	8.2 ✓
68	−0°	1778	7	32.1	−0	49.4	9.0 ✓
69	−1°	1793	7	32.7	−1	33.1	8.0 ✓
70	−1°	1797	7	33.2	−1	30.2	8.5 ✓
71	−1°	1801	7	33.9	−1	12.7	8.5 ✓
72	−1°	1798	7	33.7	−1	5.4	9.0 ✓
73	−0°	1781	7	32.9	−0	29.7	9.0 ✓
74	−0°	1792	7	35.0	−0	28.9	8.8 ✓
75	+0°	2041	7	33.5	+0	57.5	8.7 ✓
76	+1°	1877	7	33.7	+1	28.3	8.8 ✓
77	+1°	1885	7	35.3	+1	56.8	7.9 ✓
78	+1°	1888	7	35.7	+1	22.5	8.3 ✓
79	+1°	1878	7	35.4	+1	28.6	7.2 ✓
80	+0°	2054	7	35.7	+0	32.3	6.5 ✓
81	+0°	2056	7	35.8	+0	18.1	9.0 ✓

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No.	Int.	Class	Remark
82	3	A0	
83	3	A	
84	2	A	
85	4	K2	
86	7	A0	
87	5	F2	
88	5	B9	
89	2	G5	
90	4	G5	
91	3	F0	
92	6	F2	
93	3	B8	
94	6	K0	
95	2	A	
96	3	K	
97	4	A0	
98	2	A5	
99	10	B	Cannot subdivide Assume B8
June 22.57 100	4	K0	E.
June 0.27 101	~~5~~ 4	A3	E
102	~~5~~ 4	A2	E
103	~~8~~ 2	A0	
104	1	A0	
105	2	A0	
106	5	F0	
107	2	A	
108	3	G5	

82	+0°	2061	7	37.0	+0	28.7	8.8 ✓
83	−0°	1799	7	36.9	−0	25.2	9.0 ✓
84	−1°	1810	7	36.3	−1	10.2 0.8	9.0 8.2 ✓
85	−1°	1816	7	36.3	−1	0.8	8.2 ✓
86	−0°	1808	7	37.9	−0	4.8	8.0 ✓
87	−0°	1809	7	38.0	−0	8.8	8.0 ✓
88	+0°	2079	7	39.6	+0	22.2	8.5 ✓
89	+1°	1902 ~~1908~~	7	39.1 ~~44.2~~	+1 ~~+2~~	24.9 ~~7.8~~	8.8 ~~5.7~~ ✓
90	+1°	1905	7	39.7	+1	16.0	7.8 ✓
91	+1°	1906	7	40.1	+1	10.1	8.5 ✓
92	+1°	1911	7	41.5	+1	1.2	7.6 ✓
93	+0°	2098	7	41.3	+0	5.3	8.3 ✓
94	+0°	2108	7	43.5	+0	26.1	6.5 ✓
95	+1°	1924	7	43.4	+1	8.0	9.2 ✓
96	+1°	1927	7	43.6	+1	2.2	8.2 ✓
97	+0°	2110	7	44.1	+0	45.1	8.7 ✓
98	+0°	2109	7	43.9	+0	15.6	8.8 ✓
99	+2°	1808	7	44.2	+2	7.8	5.7 ✓
100	+1°	1933	7	45.4	+1	11.4	8.3 ✓
101	+2°	1652	7	14.1	+2	57.1	8.3 ✓
102	+2°	1654	7	14.7	+2	25.4	8.0 ✓
103	+1°	1781	7	14.4	+1	48.9	8.5 ✓
104	+1°	1784	7	15.1	+1	31.0	8.8 ✓
105	+2°	1661	7	15.7	+2	27.4	8.8 ✓
106	+2°	1664	7	16.5	+2	15.8	8.0 ✓
107	+1°	1793	7	17.0	+1	38.5	8.9 ✓
108	+1°	1796	7	17.4	+1	54.2	8.6 ✓

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No.	Int.	Class	Remark
109	1	A	
110	3	K5	
111	1	K	
112	1	K5	Confusion ~~smoke~~ ~~dark region~~ Confused
113	5	B2	Difficult. Lines indistinct
114	2	A3	
115	5	K0	
116	1	A	
117	4	F0	
118	2	A5	
119	2	K	
120	2	K5	
121	4	K5	
122	7	A0	
123	6	A5	
124	5	K2	
125	3	B9	
126	3	A3	
127	5	K0	
128	7	G0	
129	8	A0	
130	1	A	Difficult.
131	9	F0	
132	3	K5	Another star superposed?
133	1	A	
1334	5	K0	
134	2	K5	
135	6	F0	

109	+2°	1671	7	18.3	+2	22.3	9.3 ✓
110	+3°	1682	7	18.8	+3	2.3	8.5 ✓
111	+3°	1683	7	19.0	+3	20.4	8.8 ✓
112	+3°	1684	7	19.0	+3	6.2	8.8 ✓
113	+2°	1677	7	19.7	+2	45.4	8.5 ✓
114	+1°	1806	7	18.9	+1	57.4	9.0 ✓
115	+1°	1811	7	19.8	+1	45.0	7.7 ✓
116	+1°	1812	7	20.3	+1	53.4	9.0 ✓
117	+1°	1813	7	20.6	+1	47.8	8.5 ✓
118	+1°	1815	7	20.7	+1	36.7	9.0 ✓
119	+1°	1816	7	20.8	+1	53.9	8.8 ✓
120	+1°	1820	7	21.4	+1	37.8	9.0 ✓
121	+1°	1821	7	21.6	+1	47.8	8.3 ✓
122	+2°	1681	7	21.1	+2	34.4	7.8 ✓
123	+3°	1693	7	21.7	+3	40.5	8.0 ✓
124	+3°	1701	7	22.9	+3	35.4	8.0 ✓
125	+3°	1702	7	23.0	+3	37.1	9.0 ✓
126	+3°	1704	7	23.6	+3	9.4	8.3 ✓
127	+2°	1685	7	22.9	+2	33.6	7.3 ✓
128	+2°	1688	7	23.7	+2	28.5	7.5 ✓
129	+3°	1708	7	24.5	+3	1.8	7.4 ✓
130	+1°	1831	7	24.3	+1	58.7	9.3 ✓
131	+2°	1691	7	24.6	+2	13.4	5.8 ✓
132	+2°	1695	7	24.8	+2	1.6	8.4 ✓
133	+1°	1827	7	25.1	+1	51.8	9.0 ✓
133a	+1°	1833	7	24.3	+1	28.5	7.8 ✓
134	+2°	1698	7	26.1	+2	18.2	8.8 ✓
135	+3°	1715	7	25.6	+3	35.3	6.5 ✓

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No.	Int.	class	Remarks
136	7	Bq	
137	2	A	
138	3	K5	
139	5	K5	
140	6	A3	Lines 4128, 31 somewhat strong.
141	4	K0	
142	1	K	
143	2	K0	
144	6	A0	
145	1	K	
146	1	A	
147	2	K0	
148	2	K5	
149	8	Bq	
150	2	Bq	
151	2	A2	
152	2	K	
153	2	K5	
154	8	A0	
155	3	Bq	
156	3	K5	
157	4	K0	
158	3	F5	
159	1	A	
160	6	F8	
161	3	K5	
162	4	A0	

136 +3°	1719	7	26.7	+3	40.9	7.1 √
137 +2°	1700	7	26.5	+2	56.3	9.0 √
138 +3°	1723	7	27.3	+3	39.5	8.0
139 +3°	1725	7	27.4	+3	36.3	8.0 √
140 +3°	1723	7	27.2	+3	1.8	7.1 √
141 +2°	1703	7	27.2	+2	44.9	8.0 √
142 +2°	1707	7	28.0	+2	51.1	9.0 √
143 +3°	1733	7	28.7	+3	6.2	8.2 √
144 +3°	1735	7	28.9	+3	12.3	8.2 √
145 +2°	1713	7	28.7	+2	34.9	8.8 √
146 +2°	1716	7	29.2	+2	47.5	9.1 √
147 +2°	1718	7	29.3	+2	37.7	8.7 √
148 +1°	1859	7	29.2	+1	52.4	9.2 √
149 +2°	1720	7	30.2	+2	14.8	7.0 √
150 +2°	1727	7	31.5	+2	30.7	9.0 √
151 +2°	1733	7	32.5	+2	26.5	9.0 √
152 +2°	1736	7	32.9	+2	58.2	9.2 √
153 +2°	1738	7	33.2	+2	58.0	8.8 √
154 +3°	1758	7	34.0	+3	58.0	7.0 √
155 +4°	1788	7	34.1	+4	43.7	8.2 √
156 +5°	1756	7	34.9	+5	9.0	8.1 √
157 +5°	1769	7	35.7	+5	17.0	7.1 √
158 +4°	1793	7	35.1	+4	23.2	8.2 √
159 +4°	1797	7	35.6	+4	7.3	9.3 √
160 +3°	1773	7	35.9	+3	50.5	7.7 √
161 +3°	1764	7	34.7	+3	38.5	8.5 √
162 +3°	1769	7	35.7	+3	27.9	8.8 √

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No.	Dist.	Class	Remark
163	4	K0	
164	2	F0	
165	2	K5	
166	2	A	
167	8	F0	
168	2	Q2	
169	2	A	
170	2	F	The south-preceding of two.
171	2	A5	Difficult
172	5	A0	
173	4	A5	
174	2	Q2	
175	2	A	
176	6	A0	
177	1	A	
178	2	F5	
179	2	A3	
180	5	A0	
181	3	B9	
182	3	B	
183	5	K0	
184	4	A5	
185	4	F1	
186	8	K5	
187	6	Ma	
188	8	Q3	
189	6	B8	E. Difficult

163 +3°	1771	7	35.8	+3	33.4	8.3 ✓
164 +3°	1775	7	36.4	+3	10.0	9.0 ✓
165 +3°	1762	7	34.5	+3	5.0	8.8 ✓
166 +2°	1749	7	34.5	+2	37.5	9.4 ✓
167 +2°	1761	7	36.6	+2	44.9	7.2 ✓
168 +2°	1762	7	36.6	+2	22.0	9.0 ✓
169 +2°	1757	7	35.5	+2	6.0	9.1 ✓
170 +1°	1893	7	36.8	+1	26.2	9.0 ✓
171 +2°	1768	7	37.6	+2	48.1	8.8 ✓
172 +2°	1772	7	38.3	+2	54.6	8.3 ✓
173 +2°	1780	7	39.6	+2	49.4	8.2 ✓
174 +2°	1771	7	38.2	+2	8.0	9.2 ✓
175 +1°	1901	7	38.6	+1	47.3	9.0 ✓
176 +2°	1776	7	39.1	+2	12.6	7.4 ✓
177 +2°	1783	7	40.2	+2	47.7	9.5 ✓
178 +2°	1785	7	40.3	+2	55.3	8.8 ✓
179 +2°	1789	7	40.7	+2	13.4	9.0 ✓
180 +2°	1790	7	40.9	+2	23.8	8.0 ✓
181 +2°	1793	7	41.2	+2	17.2	9.0 ✓
182 +1°	1909	7	40.8	+1	45.7	8.8 ✓
183 +3°	1803	7	41.9	+3	35.3	8.0 ✓
184 +3°	1805	7	42.3	+3	11.3	8.7 ✓
185 +2°	1804	7	43.2	+2	50.4	8.8 ✓
186 +3°	1818	7	43.2	+3	38.8	6.7 ✓
187 +3°	1824	7	44.5	+3	39.1	7.5 ✓
188 +3°	1827	7	45.1	+3	45.4	8.0 ✓
189 +4°	1843	7	44.8	+4	12.3	8.5 ✓

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No.	Int.	class	Remarks
190	4	A	E
191	3	K5	
192	2	A	
193	2	K	
194	2	K5	
195	4	B9	
196	5	F5	
June 0:49	197	3	K	Focus poor.
" 2.45	198	8	A0	
	199	4	K0	The preceding of a group.
	200	8	K0	
	201	3	K0	
	202	2	K	
	203	6	K5	
	204	3	A0	
	205	2	A3	
	206	2	A	
	207	8	B5	E
	208	3	A0	
	209	2	A	
	210	2	K5	
	211	1	K5	
	212	3	A	E
	213	4	A	E Maybe B5
	214	2	F5	
	215	2	K5	
	216	1	A	

190 +4°	1849	7	46.4	+4	7.4	8.5 ✓
191 +3°	1788	7	36.9	+3	50.2	8.7 ✓
192 +4°	1807	7	37.3	+4	45.8	8.6 ✓
193 +4°	1809	7	37.7	+4	13.1	8.8 ✓
194 +4°	1813	7	38.5	+4	1.2	8.5 ✓
195 +3°	1792	7	39.1	+3	58.5	8.2 ✓
196 +4°	1816	7	39.0	+4	28.7	8.2 ✓
197 +4°	1817	7	39.3	+4	55.2	8.9 ✓
198 +5°	1785	7	39.3	+5	16.8	7.7 ✓
199 +5°	1790	7	40.4	+5	46.1	7.0 ✓
200 +4°	1826	7	41.4	+4	40.0	7.1 ✓
201 +5°	1801	7	41.7	+5	26.9	8.3 ✓
202 +5°	1807	7	43.1	+5	12.9	8.6 ✓
203 +4°	1843	7	43.2	+4	49.0	7.4
204 +4°	1828	7	41.8	+4	6.6	8.6 ✓
205 +3°	1806	7	42.3	+3	56.7	8.8 ✓
206 +4°	1830	7	42.2	+4	29.4	8.8 ✓
207 +3°	1649	7	13.1	+3	51.1	7.5 ✓
208 +3°	1656	7	14.1	+3	37.1	9.0 ✓
209 +3°	1657	7	14.3	+3	47.4	8.7 ✓
210 +3°	1660	7	14.6	+3	12.8	8.5 ✓
211 +3°	1662	7	14.8	+3	15.5	8.7 ✓
212 +4°	1667	7	13.4	+4	19.6	8.8 ✓
213 +4°	1670	7	13.6	+4	33.2	8.7 ✓
214 +4°	1675	7	14.5	+4	26.7	8.5 ✓
215 +4°	1668	7	14.6	+4	58.2	8.8 ✓
216 +4°	1680	7	15.0	+4	41.9	9.0 ✓

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No.	Int.	Class	Remarks
217	2	A0	
218	4	K0	
219	3	A0	
220	2	F	Spectrum very poor
221	3	A2	
222	2	A0	
223	4	A	
224	4	K0	
225	3	A	
226	2	K	
227	4	K0	
228	2	K5	
229	2	A0	
230	3	B	
231	3	B5	
232	2	B5	
233	7	B9	
234	3	A	
235	3	K0	
236	2	A	
237	2	B5	
238	3	A2	
239	K1	K ~~5~~	
240	5	B8	
241	3	A5	
242	1	A	
243	5	K0	

217 +5°	1642	7	15.9 +5	8.9	8.7 ✓
218 +3°	1670	7	16.7 +3	26.6	8.0 ✓
219 +3°	1674	7	17.4 +3	18.3	8.8 ✓
220 +3°	1678	7	16.8 +3	40.7 26.6	9.2 8.0 ✓
221 +3°	1677	7	17.4 +3	5.4 18.3	9.0 8.8 ✓
222 +4°	1691	7	17.4 +4	38.9	8.9 ✓
223 +4°	1693	7	17.8 +4	51.0	8.8 ✓
224 +4°	1695	7	18.1 +4	43.6	8.0 ✓
225 +5°	1654	7	18.0 +5	54.4	8.5 ✓
226 +5°	1656	7	18.2 +5	30.8	8.3 ✓
227 +5°	1658	7	18.4 +5	51.8	7.6 ✓
228 +3°	1688	7	19.6 +3	51.3	8.5 ✓
229 +4°	1712	7	20.7 +4	23.5	9.0 ✓
230 +4°	1714	7	20.8 +4	26.0	8.4 ✓
231 +4°	1715	7	21.5 +4	5.7	8.2 ✓
232 +3°	1691	7	20.8 +3	40.5	8.2 ✓
233 +5°	1688	7	22.9 +5	32.8	7.8 ✓
234 +5°	1689	7	23.2 +5	31.9	8.7 ✓
235 +5°	1722	7	23.0 +4	51.0	8.5 ✓
236 +4°	1728	7	23.4 +4	39.5	8.5 ✓
237 +4°	1723	7	23.0 +4	16.6	8.5 ✓
238 +4°	1729	7	23.7 +4	54.1	8.5 ✓
239 +5°	1690	7	23.4 +5	16.5	8.5 ✓
240 +5°	1703	7	25.2 +5	20.9	8.0 ✓
241 +5°	1705	7	25.5 +5	13.8	8.5 ✓
242 +4°	1745	7	26.4 +4	33.1	9.1 ✓
243 +4°	1751	7	27.3 +4	45.1	7.3 ✓

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March 29, 1912 (cont.)

I 37580

No.	Int.	Class	Remarks
244	7	Bq	
245	4	Bq	
246	5	Bq	
247	7	f8	
248	4	B9	
249	1	a	
250	2	K 2	
251	1	g	
252	3	a3	
253	3	Bq	
254	4	K0	
255	6	K0	
256	10+	f	Burned out.
257	8	B8	
258	4	B8	
259	8	B8	
260	7	a	e
261	6	g5	e
262	3	a	e
263	4	a	e
264	4	a0	
265	8	a5	e
266	4	K0	
267	3	K	e
268	4	a3	e
269	9	a	e
270	5	a2	e

244 +4°	1752	7	27.9	+4	17.6	8.0 ✓
245 +3°	1730	7	28.2	+3	57.3	8.3 ✓
246 +5°	1713	7	27.3	+5	36.9	7.6 ✓
247 +6°	1729	7	28.9	+6	10.5	6.7 ✓
248 +6°	1731	7	29.1	+6	23.5	8.2 ✓
249 +5°	1721	7	28.9	+5	34.8	8.9 ✓
250 +5°	1726	7	29.6	+5	43.4	8.0 ✓
251 +5°	1731	7	30.3	+5	55.1	8.4 ✓
252 +5°	1734	7	30.6	+5	15.4	8.3 ✓
253 +4°	1769	7	30.8	+4	21.9	8.8 ✓
254 +3°	1745	7	31.2	+3	57.3	8.2 ✓
255 +4°	1781	7	33.2	+4	23.8	8.0 ✓
256 +5°	1739	7	31.7	+5	35.6	1.0 ✓
257 +5°	1742	7	32.4	+5	33.8	7.5 ✓
258 +5°	1749	7	33.4	+5	55.3	8.3 ✓
259 +6°	1768	7	35.9	+6	37.3	8.3 ✓
260 +7°	1816	7	34.7	+7	47.8	9.0 ✓
261 +6°	1621	7	13.2	+6	30.3	7.9 ✓
262 +7°	1709	7	15.3	+7	14.5	8.5 ✓
263 +7°	1711	7	16.0	+7	13.1	8.5 ✓
264 +6°	1663	7	18.1	+6	59.5	8.0 ✓
265 +7°	1729	7	20.3	+7	13.8	6.0 ✓
266 +6°	1688	7	21.5	+6	52.5	7.2 ✓
267 +8°	1785	7	21.8	+8	8.2	8.0 ✓
268 +8°	1789	7	22.6	+8	0.8	8.0 ✓
269 +7°	1773	7	27.6	+7	52.3	7.3 ✓
270 +7°	1750	7	28.7	+7	39.0	8.0 ✓

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March 29, 1912 (Cont.)

I 37580

No.	Int.	Class	Remarks
271	2	K	E
272	3	A3	E
Fine 3:08 273	3	.. Ma..	
~~274~~			

271 +7°	1772	7	27.2	+7	10.1	8.5
272 +6°	1714	7	25.9	+6	57.8	8.0
273 +6°	1720	7	27.3	+6	30.5	8.0

Identified by J.C.M. May 18, 1912.
Checked by A.M.C. May 23, 1912

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March 29. 1912

Time: 21. 30

I 37579

No.	Int	Class	Remark.
1	6	B8	E
2	8	A	E.
3	7	A	E..
4	2	A	E
5	4	K0	E.
6	3	K2	
7	8	A0	Another star superposed?
8	3	B8	
9	7	A0	
10	8	B8	
11	4	B9	
12	2	A0	
13	6	B8	
14	2	A	
15	8	B5	
16	2	A	
17	6	K5	
18	8	F0	
19	3	A0	
20	4	A0	
21	3	A	
22	3	F5	E.
23	6	A0	
24	5	K0	
25	3	A2	
26	4	B5	Lines indistinct
27	5	F8	
28	7	B5	

1	+10°	1044	6	4.3	+10	22.1	7.5 V
2	+10°	1048	6	5.0	+10	19.5	6.9 V
3	+10°	1050	6	5.2	+10	40.3	6.5 V
4	+10°	1067	6	7.5	+10	37.2	8.6 V
5	+10°	1071 +104	6	7.9 7.7	+10	17.9 5.3	7.0 V 8.5
6	+11°	1104	6	9.7	+11	5.3	8.5 V
7	+11°	1110	6	10.8	+11	12.9	7.8
8	+11°	1128	6	11.6	+11	3.8	8.5 V
9	+12°	1103	6	10.8	+12	45.6	8.3 V
10	+12°	1105	6	11.0	+12	48.3	7.9 V
11	+13°	1196	6	11.2	+13	2.8	8.0 V
12	+12°	1108	6	11.4	+12	31.5	8.8 V
13	+12°	1110	6	11.6	+12	21.0	8.0 V
14	+12°	1115	6	12.2	+12	2.1	9.0 V
15	+11°	1128	6	12.8	+11	49.0	7.5 V
16	+12°	1117	6	13.2	+12	26.7	9.0 V
17	+12°	1119	6	13.6	+12	55.8	8.0 V
18	+12°	1123	6	14.5	+12	38.3	6.8 V
19	+12°	1122	6	14.1	+12	6.1	8.6 V
20	+12°	1124	6	14.7	+12	26.9	8.5 V
21	+11°	1138	6	13.9	+11	2.1	8.4 V
22	+10°	1107	6	14.3	+10	49.6	9.0 V
23	+11°	1151	6	15.6	+11	0.3	8.0 V
24	+11°	1159	6	16.5	+11	19.6	7.5 V
25	+11°	1157	6	16.5	+11	33.8	8.7 V
26	+11°	1162	6	17.1	+11	45.8	8.0 V
27	+11°	1163	6	17.3	+11	18.5	8.0 V
28	+10°	1191	6	17.3	+10	53.1	7.8 V

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No.	Int.	Class	Remarks
29	5	Bq	
30	3	$\frac{I}{I}$	
31	2	Ko	Partly reinforced on 30
32	8	Ao	E.
33	1	A2	
34	7	Ko	E.
35	7	Fo	
36	2	I	E.
37	8	Bo	~~Lines~~ Poor focus. E.
38	5	B8	H.S. bright towards violet. Maybe defect
39	8	A2	
40	5	Ko	
41	3	Bq	
42	3	Bq	
43	3	A5	
44	4	Ao	
45	5	F5	
46	2	A.	
47	6	F5	
48	1	$\frac{I}{I}$	A narrow edge on Fol. side of 47.
49	1	$\frac{I}{I}$	
50	6	K5	
51	7	B5	
52	2	A	H.3 not seen distinctly. Since narrow
53	3	Fo	
54	2	$\frac{I}{I}$	
55	3	B5	H.3 not seen distinctly

29	+10°	1128	6	17.0	+10	35.8	8.0
30	+11°	1164	6	17.5	+11	16.4	8.5
31	+11°	1166	6	17.6	+11	18.4	7.9
32	+11°	1169	6	17.8	+11	12.3	7.5
33	+11°	1171	6	18.2	+11	4.0	8.6
34	+10°	1149	6	20.3	+10	23.5	6.6
35	+11°	1193	6	21.0	+11	6.5	7.1
36	+10°	1153	6	21.7	+10	45.3	8.0
37	+11°	1204	6	23.1	+11	20.7	6.8
38	+11°	1207	6	23.6	+11	53.6	7.1
39	+11°	1209	6	23.7	+11	38.4	5.5
40	+11°	1213	6	24.3	+11	46.7	7.0
41	+13°	1184	6	9.3	+13	25.0	8.8
42	+13°	1187	6	9.7	+13	4.5	8.9
43	+13°	1188	6	9.7	+13	22.5	8.7
44	+13°	1194	6	10.7	+13	48.9	8.7
45	+14°	1241	6	10.8	+14	8.5	8.0
46	+13°	1195	6	11.2	+13	49.9	8.6
47	+13°	1199	6	11.2	+13	29.0	7.5
48	+13°	1200	6	11.3	+13	30.3	8.5
49	+14°	1246	6	11.8	+14	17.5	9.1
50	+14°	1247	6	11.8	+14	42.4	5.8
51	+14°	1254	6	12.7	+14	46.3	7.7
52	+14°	1258	6	13.7	+14	22.3	8.7
53	+14°	1259	6	14.0	+14	45.2	8.5
54	+14°	1260	6	14.0	+14	55.7	8.4
55	+15°	1176	6	15.1	+15	10.4	8.0

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No.	Int.	Class	Remark
56	3	Ko	
57	5	A0p	Line 4128.31 strong
58	4	fg5	
59	2	Ha	
60	3	A0	
61	3	Bq	
62	4	B9	
63	3	B5	
64	3	fg	
65	7	Ha	
66	3	B8	
67	2	A5	
68	3	N	0, b, 10.
69	3	A0	
70	1	A	
71	2	fg5	
72	6	Comp.	Kbarely resolved Spectra. Br=F Hr=A
73	3	A2	
74	4	Ko	
75	8	Bq	
76	1	A2	
77	7	A2p?	Cont. to Hε.
78	4	Bq	
79	2	fg0	
80	7	fg5	
81	2	Ha5	
82	2	Ha5	

56	+14°	1270	6	15.3 +14	6.4 8.1
57	+14°	1276	6	15.7 +14	11.0 7.6
58	+13°	1229	6	16.3 +13	5.0 7.7
59	+12°	1139	6	16.5 +12	56.1 8.2
60	+12°	1137	6	16.4 +12	21.5 8.8
61	+13°	1235	6	16.7 +13	5.5 8.8
62	+13°	1240	6	17.5 +13	20.7 8.5
63	+12°	1148	6	18.0 +12	16.4 8.7
64	+11°	1178	6	18.8 +11	43.8 8.5
65	+13°	1250	6	18.5 +13	11.2 7.0
66	+15°	1184	6	16.6 +15	5.4 8.8
67	+14°	1280	6	16.7 +14	28.8 9.0
68	+14°	1283	6	17.2 +14	48.6 8.5
69	+14°	1285	6	17.3 +14	5.7 8.7
70	+13°	1238	6	17.4 +13	45.5 9.3
71	+13°	1242	6	17.5 +13	55.1 8.8
72	+14°	1286	6	17.5 +14	9.8 7.7
73	+14°	1289	6	17.8 +14	16.3 8.5
74	+15°	1191	6	17.7 +15	13.7 7.2
75	+15°	1197	6	18.3 +15	36.0 7.0
76	+14°	1295	6	18.7 +14	51.6 9.1
77	+14°	1296	6	19.0 +14	58.1 7.0
78	+15°	1203	6	19.6 +15	47.1 8.3
79	+16°	1157	6	20.0 +16	18.8 9.1
80	+16°	1159	6	20.1 +16	20.0 6.5
81	+14°	1302	6	19.8 +14	10.8 8.5
82	+14°	1305	6	20.4 +14	14.4 8.3

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H 37579

No.	Int.	Class	Remark
83	5	Bq	
84	4	A2	
85	4	F5	
86	4	A3	
87	2	F	
88	3	G5	
89	2	G5	
90	6	A5	
91	7	A2	
92	8	A5	
93	5	F5	
94	4	A	8.
95	3	G5	
96	8	K	8.
97	3	A2	
98	2	G	
99	3	A	
100	4	F2	
101	7	G0	
102	1	A	
103	2	Bq	
104	5	Bq	
105	4	Bq	
106	2	Bq	
107	6	A0	
108	7	G5	
109	2	F	

83	+13°	1275	6	21.2	+13	43.1	8.5 ✓
84	+12°	1173	6	21.2	+12	38.4	8.5 ✓
85	+14°	1315	6	21.8	+14	35.0	8.2 ✓
86	+14°	1319	6	22.1	+14	59.3	8.3 ✓
87	+16°	1169	6	21.8	+16	3.4	9.0 ✓
88	+16°	1174	6	22.9	+16	23.6	8.2 ✓
89	+15°	1221	6	23.0	+15	50.3	8.1 ✓
90	+15°	1224	6	23.2	+15	31.0	7.9 ✓
91	+15°	1223	6	23.2	+15	57.0	7.9 ✓
92	+16°	1178	6	23.3	+16	0.0	6.6 ✓
93	+15°	1230	6	24.0	+15	48.8	7.5 ✓
94	+15°	1229	6	23.8	+15	13.0	8.0 ✓
95	+15°	1233	6	24.4	+15	7.1	7.0 ✓
96	+14°	1339	6	25.4	+14	15.4	6.0 ✓
97	+16°	1080	6	9.8	+16	0.1	8.5 ✓
98	+16°	1083	6	10.0	+16	45.6	8.4 ✓
99	+16°	1088	6	11.1	+16	37.9	8.7 ✓
100	+16°	1089	6	11.2	+16	13.9	8.2 ✓
101	+16°	1091	6	11.3	+16	3.8	6.6 ✓
102	+15°	1159	6	12.4	+15	45.5	8.8 ✓
103	+16°	1114	6	14.2	+16	12.9	8.8 ✓
104	+16°	1118	6	14.8	+16	35.0	8.0 ✓
105	+15°	1173	6	14.8	+15	54.6	8.4 ✓
106	+15°	1175	6	15.1	+15	55.5	8.8 ✓
107	+15°	1181	6	15.9	+15	55.5	7.9 ✓
108	+16°	1135	6	16.5	+16	7.6	6.7 ✓
109	+16°	1139	6	16.9	+16	7.0	8.3 ✓

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No.	Int.	Class	Remark
110	8	Bg	
111	4	Gp	
112	1	A	
113	2	F	
114	3	G	
115	6	F5	
116	3	G5	
117	4	Gp	
118	2	K0	
119	4	G5	
120	3	O5	Focus poor.
121	8	K0	
122	4	K2	
123	4	K0	
124	6	Ap	
125	6	A0	
126	3	G	
127	4	F8	
128	2	G5	
129	2	Gp	
130	1	B	
131	1	F	
132	1	A	
Time 22.03 133	2	A	
~~134~~			

Cml. 132, 150

110 +17°	1235	6	16.7 +17	4.2	7.4 ✓
111 +17°	1247	6	18.5 +17	31.7	8.2 ✓
112 +16°	1148	6	18.4 +16	32.4	9.0 N
113 +16°	1151	6	18.9 +16	32.5	9.0 ✓
114 +17°	1254	6	19.4 +17	46.5	9.0 ✓
115 +18°	1224	6	19.2 +18	15.6	7.8 ✓
116 +18°	1228	6	19.8 +18	33.3	7.8 ✓
117 +17°	1260	6	20.6 +17	50.1	7.5 ✓
118 +17°	1261	6	20.7 +17	35.2	8.0 ✓
119 +17°	1264	6	21.2 +17	4.0	8.2 ✓
120 +16°	1170	6	22.1 +16	48.7	8.9 ✓
121 +17°	1275	6	22.8 +17	2.2	6.3 ✓
122 +16°	1177	6	23.2 +16	55.5	7.5 ✓
123 +17°	1267	6	23.0 +17	30.8	7.5 ✓
124 +17°	1267	6	21.4 +17	42.5	8.0 ✓
125 +17°	1268	6	21.6 +17	59.6	7.1 ✓
126 +18°	1237	6	22.0 +18	2.7	7.9 ✓
127 +17°	1225	6	14.9 +17	27.3	8.4 ✓
128 +17°	1226	6	15.1 +17	42.8	8.5 ✓
129 +17°	1229	6	15.3 +17	57.4	8.4 ✓
130 +17°	1230	6	15.4 +17	22.2	9.3 ✓
131 +18°	1211	6	16.9 +18	12.1	8.9 ✓
132 +17°	1237	6	17.2 +17	52.8	8.9 N
133 +17°	1244	6	18.1 +17	54.2	8.8 ✓

Identified by J. C. M. May 21, 1912.
Checked by A. M. C. May 23, 1912

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March 29, 1912

I 37605

June: 22. 15

No.	Int.	Class	Remark
1	8	K0	
2	7	K0	
3	4	F8	
4	1	A	
5	1	K	
6	8	K0	
7	5	B8	
8	10	A	
9	3	G0	
10	4	K0	
11	5	K0	
12	3	A5	
13	2	K	
14	6	A5	E.
15	2	A2	E.
16	2	G5	E.
17	6	F5	
18	3	K5	
19	2	A	
20	2	F8	
21	1	F	
22	3	F5	
23	3	G0	
24	8	K0	
25	5	Ma	
26	10	G0	
27	3	G5	

No	DM.	RA.	Dec.	Mag	
1	+16° 1590	7h 48m 45.7s	+16° 9.9	6.0	✓
2	+16° 1598	7h 50m 14.5s	+16° 53.3	6.0	✓
3	+17° 1722	7h 51m 1.8s	+17° 12.8	7.7	✓
4	+17° 1725	7h 51m 26.6s	+17° 31.1	8.8	✓
5	+16° 1609	7h 52m 27.4s	+16° 59.9	8.0	✓
6	+17° 1731	7h 52m 28.0s	+17° 43.1	5.8	✓
7	+16° 1611	7h 52m 47.0s	+16° 34.5	8.3	✓
8	+16° 1612	7h 53m 14.7s	+16° 58.2	6.4	✓
9	+17° 1733	7h 53m 56.6s	+17° 21.4	8.0	✓
10	+18° 1831	7h 55m 20.0s	+18° 8.1	8.0	✓
11	+17° 1744	7h 55m 16.9s	+17° 15.6	7.5	✓
12	+17° 1748	7h 55m 39.5s	+17° 2.5	8.5	✓
13	+16° 1616	7h 56h 22.4s	+16° 17.2	8.5	✓
14	+15° 1734	7h 56h 32.8s	+15° 21.0	6.8	✓
15	+15° 1739	7h 56m 35.8s	+15° 39.4	9.0	✓
16	+15° 1742	7h 56m 23.5s	+15° 47.8	8.8	✓
17	+15° 1749 1828	7h 57m 58.7s	+15° 54 48.6	7.8 8.9	✓
18	+18° 1839	7h 57m 3.4s	+18° 1.8	8.0	✓
19	+16° 1634 2	7h 57m 37.1 ~~33.8~~	+16° 54.2 ~~48.8~~	9.1 ~~8.8~~	✓
20	+17° 1762	7h 58m 52.7s	+17° 44.5	8.6	✓
21	+17° 1763	7h 59m 1.0s	+17° 35.9	9.2	✓
22	+18° 1858 1	7h 59m 46.2s	+18° 24.9	9.0	✓
23	+16° 1642	7h 59m 53.0s	+16° 50.0	8.5	✓
24	+17° 1776	8h 1m 35.7s	+17° 41.0	8.6	✓
25	+17° 1778	8h 1m 44.4s	+17° 26.5	7.5	✓
26	+15° 1867	8h 3m 53.9s	+18° 5.1	4.7	✓
27	+17° 1786	8h 3m 19.1s	+17° 26.8	8.3	✓

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I 37605

Nr.	Int.	Class	Remarks
28	3	K0	
29	5	K0	
30	7	G0	
31	2	G5	
32	4	F5	
33	9	A0	
34	6	G5	
35	2	A0	
36	8	F0	
37	3	A2	
38	5	K0	
39	4	K0	
40	2	F0	
41	2	K2	
42	3	F0	
43	8	B8	
44	3	G0	
45	2	F	
46	2	F8	
47	8	K0	
48	9	A0	
49	3	K5	
Time 22.24	50	3	F0
" 22.28	51	7	K0
	52	4	K0
	53	2	A
	54	4	A2

28	+16	1651	8	2	42.4	+16	46.6	8.3	✓
29	+16	1657	8	3	22.5	+16	37.6	7.2	✓
30	+16	1657	8	3	34.5	+16	57.0	7.5	✓
31	+16	1658	8	3	34.2	+16	32.8	8.3	✓
32	+14	1839	8	1	58.9	+14	55.8	7.9	✓
33	+15	1775	8	2	56.3	+15	3.6	6.3	✓
34	+16	1662	8	4	45.0	+16	56.6	6.6	✓
35	+18	1875	8	4	49.3	+18	24.5	8.8	✓
36	+18	1882	8	5	53.6	+18	6.5	7.4	✓
37	+18	1888	8	6	38.3	+18	30.0	9.2	✓
38	+19	1963	8	7	37.4	+19	7.5	7.6	✓
39	+18	1892	8	7	22.3	+18	0.7	8.0	✓
40	+16	1665	8	5	13.6	+16	52.0	8.8	✓
41	+17	1797	8	5	22.7	+17	5.2	8.5	✓
42	+17	1803	8	6	30.2	+17	2.5	8.6	✓
43	+16	1669	8	6	47.4	+16	30.9	7.5	✓
44	+16	1667	8	5	36.4	+16	4.0	8.5	✓
45	+15	1780	8	4	27.5	+15	0.3	8.5	✓
46	+15	1783	8	4	49.8	+15	0.5	8.7	✓
47	+16	1679	8	10	3.2	+16	7.1	6.5	✓
48	+16	1687	8	10	56.1	+16	34.4	7.5	✓
49	+16	1692	8	11	49.1	+16	41.0	8.2	✓
50	+15	1796	8	11	3.2	+15	29.2	8.7	✓
51	+16	1704	8	14	19.6	+16	37.3	6.8	✓
52	+15	1805	8	13	49.7	+15	13.4	7.2	✓
53	+15	1807	8	14	2.2	+15	54.2	8.9	✓
54	+15	1809	8	15	9.9	+15	44.8	8.5	✓

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H 37605

No.	Mt.	Class	Remark.
55	4	A2	
56	2	K	Nearly superposed on 55
57	2	A	
58	5	F8	
59	2	G5	
60	5	A0	
61	5	A3	Another star superposed? or comp ?
62	4	F5	
63	3	K0	
64	10	F0	
65	3	K2	
66	2	K	
67	2	F8	
68	5	A2	
69	7	F5	
70	9	F2	
71	3	G0	
72	5	F8	
73	1/4	A5	Superposed
73a	3	A5	
74	4	B9	
75	3	F0	
76	4	F0	
77	2	G	
78	10	A	
79	4	A0	
80	1	K	
81	2	A2	

55	+18°	1901	8	8	38.8	+18°	22.8	9.0	✓
56	+18	1900	8	8	30.4	+18	31.9	8.5	✓
57	+18	1904	8	9	4.3	+18	5.5	9.2	✓
58	+18	1909	8	10	32.8	+18	46.2	8.5	✓
59	+18	1910	8	10	45.3	+18	37.1	9.2	✓
60	+18	1917	8	12	54.8	+18	19.1	8.7	✓
61	+18	1923	8	13	37.8	+18	3.9	8.2	✓
62	+18	1926	8	14	31.8	+18	5.4	8.4	✓
63	+18	1927	8	14	44.0	+18	7.9	8.3	✓
64	+18	1930	8	15	3.8	+18	48.4	6.5	✓
65	+18	1931	8	15	8.0	+18	35.4	7.7	✓
66	+17	1823	8	12	33.3	+17	24.5	9.0	✓
67	+17	1827	8	14	52.0	+17	16.9	9.2	✓
68	+17	1828	8	14	58.0	+17	20.9	8.7	✓
69	+17	1836	8	16	30.3	+17	39.7	7.0	✓
70	+17	1842	8	17	37.7	+17	32.1	6.2	✓
71	+18	1939	8	17	38.2	+18	18.5	8.1	✓
72	+18	1947	8	19	37.4	+18	01.5	8.2	✓
73	+20	2078	8	16	24.8	+20	36.8	8.8	✓
73a	+20	2082	8	16	34.3	+20	36.3	8.5	✓
74	+20	2088	8	18	24.8	+20	38.8	9.4	✓
75	+20	2081	8	17	27.4	+20	4.1	9.2	✓
76	+19	2012	8	18	41.7	+19	43.6	8.5	✓
77	+19	2014	8	18	53.4	+19	46.0	9.0	✓
78	+20	1946	7	47	13.2	+20	16.6	6.0	✓
79	+19	1872	7	47	24.6	+19	44.7	8.9	✓
80	+19	1876	7	47	52.8	+19	33.7	9.0	✓
81	+19	1879	7	48	36.6	+19	30.0	7.0	✓

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No.	Int.	Class	Remark
82	5	F2	
83	2	A	
84	1	K	
85	2	A	
86	2	A3	
87	6	G5	
88	8	A0	
89	3	F0	
90	8	G5	
91	2	F5	
92	7	B9	
93	7	G5	
94	3	F5	
95	4	F0	
96	10	A	
97	3	A5	
98	2	A2	Difficult
99	5	F8	
100	4	F8	
101	4	A0	
102	3	F	
103	3	A2	
104	2	G	
105	4	G5	
106	3	F0	
107	8	F2	
108	4	A5	

82	+18	1795	7	49	10.2	+18	29.8	8.0	✓
83	+17	1712	7	49	13.5	+17	51.0	9.0	✓
84	+18	1799	7	49	39.9	+18	4.1	9.0	✓
85	+17	1719	7	50	12.6	+17	44.8	7.2	✓
86	+18	1804	7	50	51.2	+18	56.2	9.1	✓
87	+18	1816	7	52	21.4	+18	37.8	7.2	✓
88	+18	1817	7	52	53.7	+18	46.8	8.7	✓
		9 96			8.8	9	14.0	7.0	
89	+18	1819	7	52	53.9	+18	46.8	8.7	✓
90	+20	1976	7	52	22.4	+20	11.8	7.0	✓
91	+19	1900	7	52	49.0	+19	59.6	8.6	✓
92	+20	1982	7	53	40.0	+20	7.7	8.1	✓
93	+20	1986	7	55	7.4	+20	45.0	7.5	✓
94	+20	1992	7	55	45.7	+20	30.5	8.8	✓
95	+20	1993	7	56	0.2	+20	11.6	8.3	✓
96	+19	1911	7	56	24.4	+19	14.5	7.0	✓
97	+19	1925	7	57	41.1	+19	8.8	8.8	✓
98	+18	1842	7	57	33.7	+18	24.2	9.0	✓
99	+20	2003	7	59	1.9	+20	13.6	7.8	✓
100	+19	1934	7	59	46.1	+19	39.1	8.1	✓
101	+20	2008	8	0	14.7	+20	11.2	8.7	✓
102	+20	2012	8	0	53.9	+20	31.8	9.0	✓
103	+19	1941	8	1	38.0	+19	28.0	9.0	✓
104	+20	2016	8	3	25.0	+20	23.9	9.4	✓
105	+20	2020	8	4	57.9	+20	42.5	8.2	✓
106	+20	2021	8	5	38.3	+20	6.5	8.6	✓
107	+21	1792	8	5	59.1	+21	6.9	7.0	✓
108	+21	1795	8	6	26.1	+21	29.4	8.4	✓

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No.	Int.	Class	Remark
109	3	K0	
110	3	K2	
111	4	A0	
112	5	fg5	
113	3	A	
114	5	F8	
115	4	F8	
116	2	F5	
117	4	A3	
118	4	K0	
119	3	fg5	
120	6	B9	
121	9'	fg5	
122	5	A2	
123	4	F5	
124	4	A3	
125	5	fg5	
126	2	F	
127	2	A	
128	4	A5	
129	5	K0	
Time 23.42.30	2	F5	
" 23.46	131 3	A0	
132	2	fg	
133	5	fg5	
134	7	K0	
135	3	F	

109	+21	1850	8	7	21.6	+21	9.7	8.4	✓
110	+20	2028	8	6	58.9	+20	40.4	8.2	✓
111	+22	1891	8	7	26.9	+22	0.2	8.9	✓
112	+21	1803	8	8	16.6	+21	40.4	7.3	✓
113	+21	1804	8	8	46.6	+21	37.6	8.5	✓
114	+22	1892	8	7	33.7	+22	37.1	8.5	✓
115	+22	1894	8	8	25.1	+22	21.1	8.4	✓
116	+22	1897	8	8	48.1	+22	4.7	9.2	✓
117	+22	1900	8	9	55.2	+22	39.6	8.6	✓
118	+21	1807	8	10	24.7	+21	58.8	8.0	✓
119	+21	1810	8	10	56.4	+21	42.4	8.2	✓
120	+21	1812	8	11	16.1	+21	23.9	8.0	✓
121	+21	1817	8	11	53.4	+21	10.3	6.8	✓
122	+20	2040	8	9	24.7	+20	10.4	8.0	✓
123	+20	2045	8	10	6.4	+20	4.0	8.5	✓
124	+20	2049	8	10	36.1	+20	25.6	8.5	✓
125	+20	2057	8	11	36.4	+20	18.3	8.0	✓
126	+19	1982	8	12	6.0	+19	41.5	9.0	✓
127	+19	1985	8	12	25.8	+19	43.6	9.2	✓
128	+19	1991	8	13	29.1	+19	56.5	8.9	✓
129	+20	2066	8	13	40.8	+20	25.6	7.5	✓
130	+20	2070	8	14	38.5	+20	28.5	8.8	✓
131	+21	1820	8	12	29.6	+21	42.4	8.8	✓
132	+22	1911	8	11	30.5	+22	23.5	8.9	✓
133	+22	1914	8	12	36.6	+22	29.3	8.0	✓
134	+22	1915	8	12	57.2	+22	22.1	7.5	✓
135	+22	1916	8	13	2.6	+22	4.2	8.6	✓

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I 37695

No.	Int	Class	Remark
136	5	A2	
137	6	A2	
138	7	A5	E.
139	8	A3	E.
140	9	A5	E.
141	7	A0	
142	3	K	
143	2	gK5	
144	7	gK5	E.
145	7	K5	E. Maybe Nva
146	3	A3	E.
147	5	K0	
148	2	K0	
149	6	gK5	
150	2	K	
151	4	A0	
152	5	A0	
153	4	gK5	
154	3	A0	
155	2	K0	
156	7	K0	
157	4	K0	
158	9	A2	
159	2	K	
160	4	A2	
161	5	A3	
162	2	A	

136	+23	1939	8	13	19.0	+23	20.0	8.2 ✓
137	+24	1918	8	14	55.7	+24	0.2	8.2 ✓
138	+24	1920	8	16	17.4	+24	24.7	7.0 ✓
139	+25	1920	8	18	2.0	+25	8.7	6.5 ✓
140	+24	1931	8	20	0.2	+24	37.3	5.8 ✓
141	+23	1960	8	18	54.3	+23	37.5	7.8 ✓
142	+22	1929	8	16	48.6	+22	47.5	8.5 ✓
143	+21	1835	8	17	17.7	+21	39.2	9.0 ✓
144	+21	1844	8	19	41.1	+21	38.2	6.8 ✓
145	+21	1714	7	45	40.5	+21	28.7	7.2 ✓
146	+22	1808	7	46	35.2	+22	2.6	8.2 ✓
147	+22	1810	7	47	43.7	+22	57.4	7.7 ✓
148	+21	1719	7	47	44.2	+21	10.8	8.3 ✓
149	+21	1724	7	48	34.8	+21	20.7	7.5 ✓
150	+20	1950	7	48	7.1	+20	16.4	9.0 ✓
151	+20	1959	7	50	4.0	+20	57.8	8.7 ✓
152	+21	1730	7	50	23.2	+21	39.7	8.3 ✓
153	+21	1731	7	51	1.2	+21	15.9	8.5 ✓
154	+21	1737	7	52	22.8	+21	20.5	8.5 ✓
155	+22	1839	7	53	09.9	+22	16.5	8.0 ✓
156	+22	1845	7	55	16.9	+22	28.5	6.3 ✓
157	+22	1846	7	55	28.8	+22	6.5	7.3 ✓
158	+21	1753	7	55	56.8	+21	26.1	7.0 ✓
159	+21	1744	7	54	20.5	+21	19.7	9.0 ✓
160	+20	1934	7	56	24.4	+20	39.0	8.6 ✓
161	+20	1938	7	56	45.5	+20	54.8	5.8 ✓
162	+21	1757	7	57	7.1	+21	12.5	9.1 ✓

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March 31, 1912

I 37605

No.	Int.	Class	Remark
163	6	$g5$	
164	10	$g0$	
165	3	$F8$	
166	8	Mb	
167	6	$g0$	
168	4	$g5$	
169	3	$A0$	
170	3	$K0$	
171	2	A	
172	4	A	
173	9	A2	
174	3	$F5$	
175	2	A3	
176	3	F	
177	2	$F8$	
178	4	K	E.
179	5	$g5$	
180	5	$A0$	
181	9	B8	E.
182	8	A	E.
183	γ6	$K0$	
184	7	$K0$	
185	3	$K0$	
186	8	$g5$	
Time 22 58 187	2	K	

Cmb 35, 70

163	+21	1763	7	58	31.8	+21	17.6	7.9	✓
164	+22	1862	7	59	14.0	+22	1.0	8.4	✓
165	+22	1852	7	57	57.1	+22	27.6	8.3	✓
166	+23	1887	7	57	42.9	+23	2.7	6.0	✓
167	+22	1854	7	58	1.3	+22	52.4	7.5	✓
168	+23	1888	7	58	22.0	+23	9.7	7.5	✓
169	+23	1872	7	57	14.6	+23	11.9	8.5	✓
170	+23	1901	8	2	19.8	+23	9.5	8.1	✓
171	+23	1903	8	2	57.3	+23	31.5	7.1	✓
172	+23	1905	8	2	54.0	+23	54.3	8.3	✓
173	+23	1913	8	5	7.2	+23	35.2	6.8	✓
174	+22	1881 (6)	8	5	17.2	+22	43.4	8.5	✓
175	+23	1918	8	6	12.8	+23	9.1	8.6	✓
176	+23	1921 (2)	8	7	~~57.2~~ 54.5	+23	~~21.5~~ 12.9	8.7	✓
177	+23	1925	8	8	25.0	+23	11.9	8.3	✓
178	+24 (5)	1872	8	8	55.3	+25	16.5	7.3	✓
179	+24	1903	8	10	31.2	+24	57.4	7.5	✓
180	+24	1908	8	11	24.2	+24	15.7	8.2	✓
181	+24	1909	8	11	55.0	+24	25.6	8.0 (6)	✓
182	+24	1806	7	47	26.5	+23	0.8	6.7	✓ +24°1805 Lalande
183	+23	1863	7	57	4.6	+23	54.9	7.3	✓
184	+23	1866	7	58	21.1	+23	57.8	6.5	✓
185	+24	1826	7	52	50.7	+24	18.8	7.8	✓
186	+24	1845	7	56	10.2	+24	1.3	7.9	✓
187	+24	1863	7	57	10.6	+24	26.0	8.3	✓

Identified by C.L.A. April 9, 1912

Checked by A.M.C. April 11, 1912

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April 1, 1912

B14358 Short Disp

Time 0:50

No.	Int.	Class	Remark
1	3	F	E
2	2	K	E
3	3	K0	
4	7	K0	
5	5	A5	
6	2	F	
7	3	K0	
8	4	A3	
9	6	F2	
10	8	K0	
11	8	F5	
12	10	F2	
13	2	G	
14	1	K	
15	1	G	
16	7	K0	
17	2	F2	
18	4	A2	
19	3	F5	An edge on the prec. side. Probably same spectrum.
20	2	G5	
21	3	A3	
22	2	A	
23	2	K	
24	2	K0	
25	5	M0	
Time 0:56 26	5	A5	
~~27~~			

Continued 127.206.

1	-73°	123	1	54.8	-73	52.5	8.6 ✓
2	-74°	154	1	59.6	-74	21.3	9.0 ✓
3	-75°	149	2	6.7	-75	9.2	8.8 ✓
4	-75°	156	2	10.4	-75	5.2	7.8 ✓
5	-74°	180	X2	10.9	-74	40.3	8.0 ✓
6	-74°	176	X2	9.6	-74	39.3	8.8 ✓
7	-75°	161	2	14.0	-75	57.6	8.7 ✓
8	-76°	184	2	18.7	-76	1.4	8.7 ✓
9	-76°	186	2	19.3	-76	19.1	8.4 ✓
10	-76°	201	2	27.8	-76	17.8	8.2 ✓
11	-76°	206	2	30.5	-76	20.1	7.8 ✓
12	-76°	211	2	33.8	-76	26.4	6.8 ✓
13	-75°	188	2	33.9	-75	37.6	8.7 ✓
14	-75°	200	2	42.5	-75	46.0	9.1 ✓
15	-75°	201	2	45.4	-75	21.3	9.0 ✓
16	-76°	217	2	47.8	-76	42.9	8.0 ✓
17	-76°	215	2	45.2	-76	59.9	8.8 ✓
18	-78°	71	2	48.9	-78	2.4	8.1 ✓
19	-78°	59 60	2	34.5 34.7	-78	10.5 10.5	8.6 8.4 ✓
20	-77°	111	2	29.1	-77	58.5	8.7 ✓
21	-77°	109	2	25.6	-77	22.1	8.4 ✓
22	-77°	105	2 X	19.5	-77	46.6	8.7 ✓
23	-78°	49	2	32.5	-78	12.8	8.7 ✓
24	-78°	82	2	58.1	-78	9.3	8.6 ✓
25	-77°	131	3	7.2	-77	38.6	7.8 ✓
26	-76°	223	2	59.6	-76	49.5	8.0 ✓

Identified by A.M.C. May 4, 1912

Checked by J.C.M. May 21, 1912

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April 1, 1912

June 23.24 B 14359 Short disp

No.	Int.	Class	Remarks
1	2	K	
2	1	ly5	
3	4	F5	
4	3	F5	
5	1	K	
6	1	ly	
7	6	F0	
8	3	ly5	
9	6	ly0	
10	2	F5	
11	10	A0	
12	1	K	
13	2	ly5	
14	4	F5	
15	8	A5	
16	4	K0	
17	4	A5	
18	6	A0	
19	10+	K	Burned out
20	4	F0	
21	6	F2	
22	4	K0	
23	3	A5	Focus prod.
24	3	K0	The fol. of two.
25	7	A	
26	4	F2	
27	2	K	

1	-75°	216	B	2.8	-75	46.6	8.7	
		~~211~~	2	~~54.7~~	~~-75~~	~~48.0~~	9.2	∨
2	-75°	220	3	7.5	-75	34.6	8.9	∧ ∨
3	-76°	227	3	7.0	-76	10.4	8.0	∧ ∨
4	-75°	224	3	12.6	-75	42.0	8.4	∧ ∨
5	-75°	226	3	13.3	-75	54.0	9.0	∧ ∨
6	-76°	228	3	11.4	-76	7.2	8.8	∧ ∨
7	-76°	230	3 2	13.2	-76	16.6	7.8	∧ ∨
8	-76°	232	3	19.8	-76	15.0	8.5	∧ ∨
9	-77°	131	3	7.2	-77	38.6	7.8	∧ ∨
10	-77°	133	3	15.9	-77	29.4	8.8	∧ ∨
11	-77°	135	3	27.6	-77	10.7	6.9	∧ ∨
12	-75°	233	3	25.3	-75	43.2	9.2	∧ ∨
13	-75°	234	3	25.7	-75	25.1	9.1	∧ ∨
14	-76°	238	3	35.1	-75	33.0	8.7	∧ ∨
15	-75°	244	3 2	39.8	-75	13.5	7.4	∧ ∨
16	-74°	268	3	37.8	-74	22.9	8.5	∧ ∨
17	-74°	270	3	42.9	-74	19.3	8.3	∧ ∨
18	-74°	271	3	45.2	-74	23.7	7.5	∧ ∨
19	-74°	276	3	49.2	-74	37.3	6.1	∧ ∨
20	-74°	275	3	48.7	-74	53.2	8.0	∧ ∨
21	-75°	251	3	50.4	-75	4.4	7.4	∧ ∨
22	-76°	242	3	41.3	-76	9.8	8.6	∧ ∨
23	-77°	141	3	37.6	-77	17.3	8.6	∧ ∨
24	-77°	143	3	40.5	-77	29.5	8.8	∧ ∨
25	-77°	150	3	50.2	-77	5.8	7.7	∧ ∨
26	-76°	251	3	53.4	-76	15.8	8.5	∧ ∨
27	-75°	253	3	56.3	-75	40.3	9.0	∧ ∨

Cards made out

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~~From~~ April 1, 1912

B143.5q short disp.

No.	Int.	Class	Remark
28	3	Bq	
29	6	F	
30	1	K0	
31	3	F	Focus poor
32	7	K0	
June 23,33 33	3	F5	
34			
35			
36			
34	3	K0	

28	−75°	~~254~~ 259	3	57.9	−75	31.2	8.5	∧ /
29	−76°	~~260~~	4	1.0	−76	51.7	7.9	∧ /
30	−78°	121	4	1.2	−78	53.0	9.0	∧ ∨
31	−78°	123	4	7.3	−78	53.1	8.5	∧ ∨
32	−78°	.124.5	4	8.4	−78	58.0	7.7	∧ ∫
33	−78°	126	4	8.8	−78	14.9	8.8	∧ ∨

Identified by A.M.C. May 4, 1912

Checked by L.A.W. Oct. 8, 1912

cards made out by Mr. C. W.

✓ 34 −78 161 s− 2.4 −78 49 8.6 153 m B1576

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April 1, 1912.
B 1516 2 short disk

No.	Int.	Class	Remark.
1	4	K0	
2	4	A	
3	7	F5	
4	6	G5	
5	4	F5	
6	9	A2	
7	8	K0	
8	4.	K2	E.
9	5	K0	
10	4	A	
11	3	G	
12	6	G	E.
13	10	A	E.
14	10+	F5	E.
15	4	F5	
16	10	G	
17	3	K0	
18	10	A	Burned out.
19	4	A5	
20	6	G0	
21	5	G5	
22	6	A2	
23	6	K0	
24	1	K	
25	6	F8	
26	10+	A	
27	4	A	

1	-73°	247	4	0.4	-73	43.9	8.7	✓
2	-73°	249	4	7.6	-73	36.2	8.5	✓
3	-73°	251	4	14.8	-73	8.0	7.5	✓
4	-72°	304	4	28.8	-72	54.3	8.0	✓
5	-72°	308	4	31.7	-72	32.4	8.2	✓
6	-72°	311	4	36.6	-72	59.2	7.4	✓
7	-73°	269	4	36.5	-73	27.6	8.0	✓
8	-72°	314	4	39.2	-72	43.1	8.8	/
9	-74°	298	4	39.9	-74	5.2	8.9	✓
10	-73°	271	4	44.2	-73	45.6	8.5	✓
11	-74°	305	4	49.6	-74	7.9	9.2	✓
12	-73°	280	4	54.4	-73	11.9	8.4	✓
13	-72°	334	4	55.7	-72	57.7	7.7	✓
14	-72°	332	4	55.2	-72	36.8	7.1 6.4	✓
15	-73°	284	4	58.3	-73	57.1	8.5	✓
16	-75°	290	4	58.8	-75	7.6	7.5	✓
17	-75°	292	5	2.2	-75	27.3	9.0	✓
18	-74°	312	5	4.4	-74	30.8	7.1	✓
19	-74°	314	5	6.1	-74	52.2	9.0	✓
20	-75°	298	5	8.1	-75	5.1	8.7	✓
21	-75°	297	5	8.0	-75	11.0	8.9	✓
22	-74°	318	5	12.4	-74	59.9	8.6	✓
23	-75°	300	5	16.1	-75	29.9	8.6	
24	-75°	301	5	16.4	-75	16.8	9.3	✓
25	-73°	288	5	8.8	-73	45.4	8.4	✓
26	-73°	286	5	8.7	-73	13.0	6.4	✓
27	-74°	320	5	16.2	-74	16.1	8.6	✓

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April 1, 1912

B 15 162 short disto.

No.	Int.	Class	Remark.
28	10+	A	Burned out.
29	4	A	
30	5	K0	
31	3	A	
32	2	F8	
33	8	A5	
34	2	G5	
35	10	G0	
36	4	A0	
37	6	G0	
38	8	K0	
39	7	G5	
40	3	K5	E.
41	6	G5	E.
42	7	A	E.
43	10	Ma	Burned out
44	10	G	" "
45	9	A	
46	5	G5	
47	4	A3	
48	3	F5	
49	4	F5	
50	2	Mb	
51	6	G0	
52	7	G5	
53	3	A2	
54	8	F0	

28	-73°	294	5	18.3	-73	43.2	7.0 ✓
29	-74°	322	5	21.5	-74	11.0	8.5 ✓
30	-74°	323	5	21.9	-74	49.1	8.6 ✓
31	-75°	303	5	19.8	-75	13.8	9.2 ✓
32	-75°	304	5	20.4	-75	11.2	9.3 ✓
33	-76°	318	5	25.8	-76	1.7	8.0 ✓
34	-75°	313	5	28.8	-75	43.4	9.3 ✓
35	-75°	314	5	29.8	-75	46.9	8.0 ✓
36	-75°	309	5	26.2	-75	7.0	8.3 ✓
37	-74°	328	5	27.9	-74	44.1	8.4 ✓
38	-73°	296	5	25.6	-73	54.7	8.2 ✓
39	-73°	302	5	29.6	-73	45.8	8.3 ✓
40	-73°	301	5	29.3	-73	2.9	8.8 ✓
41	-72°	382	5	32.1	-72	54.2	8.6 ✓
42	-72°	386	5	34.9	-72	54.8	8.3 ✓
43	-73°	316	5	37.8	-73	49.0	8.0 ✓
44	-73°	323	5	40.0	-73	46.7	7.1 ✓
45	-75°	321	5	37.1	-75	18.7	8.0 ✓
46	-74°	341	5	40.5	-74	46.9	8.8 ✓
47	-74°	339	5	39.2	-74	19.0	9.0 ✓
48	-74°	348	5	45.9	-74	32.0	8.8 ✓
49	-74°	349	5	46.5	-74	54.5	8.7 ✓
50	-75°	333	5	46.9	-75	17.8	9.4 ✓
51	-75°	329	5	42.4	-75	36.9	8.6 ✓
52	-76°	339	5	41.3	-76	4.9	9.1 ✓
53	-76°	345	5	44.4	-76	5.2	9.3 ✓
54	-75°	334	5	46.9	-75	52.9	8.1 ✓

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April 1, 1912

B 15162 short disp.

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

55	-76°	355	5	57.5	-76	12.0	8.9	✓
56	-76°	357	5	53.0	-76	7.8	9.1	✓
57	-76°	358 345	5	54.6 57.8	-76	6.8 7.1	9.3 8.6	✓
58	-74°	357	5	51.0	-74	48.2	9.0	✓
59	-75°	345	5	52.9	-75	2.8	8.6	✓
60	-74°	362	5	55.8	-74	46.3	8.7	✓
61	-75°	350	5	57.8	-75	21.3	8.3	✓
62	-75°	352	5	59.2	-75	28.1	8.5	✓
63	-73°	256	4	16.6	-73	57.0	9.2	✓
64	-73°	261	4	27.6	-73	36.2	8.9	✓
65	-74°	290	4	27.5	-74	47.3	9.0	✓
66	-74°	291	4	29.1	-74	58.7	8.9	✓
67	-75°	270	4	28.7	-75	8.8	9.2	✓
68	-75°	267	4	24.7	-75	22.7	9.5	✓
69	-75°	266	4	23.9	-75	41.2	9.2	✓
70	-75°	265	4	19.6	-75	38.7	8.0	✓
71	-76°	265	4	18.1	-76	6.8	8.3	✓
72	-76°	266	4	19.2	-76	17.5	9.4	✓
73	-76°	269	4	22.6	-76	0.7	8.3	✓
74	-76°	270	4	24.9	-76	1.0	8.3	✓
75	-75°	268	4	27.7	-75	53.1	8.4	✓
76	-75°	269	4	28.3	-75	58.1	8.5	✓
77	-75°	274	4	35.8	-75	56.1	8.8	✓
78	-75°	276	4	38.5	-75	56.4	9.1	✓
79	-75°	278	4	42.6	-75	20.3	9.2	✓
80	-75°	280	4	44.0	-75	23.0	8.9	✓
81	-75°	279	4	42.8	-75	1.1	9.2	✓

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April 1, 1912

B 15 162 short disp.

No.	Int.	Class	Remark
82	2	K0	
83	2	g5	
84	3	K0	
85	3	F8	
86	3	K2	
87	3	A	
88	4	A	
89	9	F5	
90	5	g0	
91	6	F5	
92	5	g5	
93	10	g	
94	10	g0	
95	5	g5	
96	4	F8	
97	3	F5	
98	3	K0	
99	2	K5	
100	6	g0	
101	7	g5	
102	3	K0	
103	2	F5	
104	6	F8	
105	10+	g	Burned out
106	4	K0	
107	6	g0	
108	3	F5	

82	- 74°	301	4	46.6	- 74	53.0	9.3 ✓
83	- 74°	302	4	47.8	- 74	32.4	9.2 ✓
84	- 74°	307	4	50.6	- 74	49.6	9.1 ✓
85	- 75°	283	4	49.1	- 75	21.3	9.0 ✓
86	- 75°	285	4	51.2	- 75	17.0	9.1 ✓
87	- 75°	286	4	52.2	- 75	59.6	9.1 ✓
88	- 76°	291	4	46.6	- 76	28.8	8.9 ✓
89	- 76°	294	4	48.6	- 76	31.7	8.1 ✓
90	- 76°	295	4	50.2	- 76	31.2	8.9 ✓
91	- 77°	188	4	51.3	- 77	14.2	8.5 ✓
92	- 77°	190	4	57.7	- 77	14.2	8.9 ✓
93	- 76°	303	5	7.0	- 76	47.5	7.6 ✓
94	- 77°	192	5	12.5	- 77	42.4	7.5 ✓
95	- 77°	196	5	16.1	- 77	21.4	8.4 ✓
96	- 76°	307	5	12.8	- 76	35.6	8.8 ✓
97	- 76°	309	5	13.9	- 76	36.6	8.9 ✓
98	- 76°	310	5	14.8	- 76	16.8	9.2 ✓
99	- 77°	197	5	20.6	- 77	6.5	9.3 ✓
100	- 77°	198	5	23.4	- 77	1.7	8.9 ✓
101	- 76°	319	5	27.9	- 76	43.1	8.9 ✓
102	- 76°	322	5	29.9	- 76	59.9	9.3 ✓
103	- 76°	326	5	31.6	- 76	17.3	9.4 ✓
104	- 76°	329	5	35.0	- 76	19.8	8.8 ✓
105	- 76°	333	5	36.8	- 76	25.5	7.1 ✓
106	- 76°	341	5	42.7	- 76	44.1	9.2 ✓
107	- 76°	352	5	48.9	- 76	49.0	8.9 ✓
108	- 77°	214	5	48.1	- 77	44.8	9.2 ✓

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April 1, 1912

B 15163 short drift.

No.	Int.	Class	Remark
109	2	K2	
110	3	A3	
111	7	fg5	
112	8	F5	
113	3	K2	The south preceding of two.
114	3	K0	
115	6	A	
116	4	fg0	
117	4	F5	
118	8	F5	
119	3	F5	
120	4	A	
121	3	fg0	
122	3	A	
123	6	A2	
124	5	F5	
125	5	F5	Focus poor
126	10	fg5	" "
127	7	A	
128	4	K0	
129	4	F5	
130	3	F5	Difficult
131	8	F8	
132	3	K0	
133	3	fg5	
134	2	fg	
135	3	fg5	

109	-77°	215	5	48.8	-77	29.8	9.3 ✓
110	-77°	219	5	53.8	-77	35.9	9.3 ✓
111	-77°	220	5	54.1	-77	24.1	8.9 ✓
112	-76°	362	6	0.2	-76	49.0	8.4 ✓
113	-77°	226	6	2.4	-77	12.7	9.4 ✓
114	-77°	229	6	5.1	-77	15.9	9.3 ✓
115	-77°	234	6	9.2	-77	15.5	8.4 ✓
116	-75°	259	4	6.1	-75	29.8	8.7 ✓
117	-75°	258	4	4.0	-75	56.9	8.6 ✓
118	-76°	259	4	1.0	-76	51.7	7.9 ✓
119	-77°	154	4	1.6	-77	10.9	9.2 ✓
120	-75°	260	4	8.7	-75	51.7	8.7 ✓
121	-76°	263	4	11.2	-76	11.2	8.9 ✓
122	-76°	261	4	7.1	-76	52.8	8.7 ✓
123	-77°	161	4	13.7	-77	22.1	8.6 ✓
124	-78°	126	4	8.8	-78	14.9	8.8 ✓
125	-78°	123	4	7.3	-78	53.1	8.6 ✓
126	-78°	125	4	8.4	-78	58.0	7.7 ✓
127	-79°	134	4	16.6	-79	19.9	8.0 ✓
128	-78°	135	4	24.8	-78	19.8	8.9 ✓
129	-78°	137	4	29.4	-78	59.6	8.6 ✓
130	-79°	143	4	27.5	-79	32.1	8.7 ✓
131	-77°	172	4	30.4	-77	57.6	7.6 ✓
132	-77°	167	4	23.4	-77	20.8	9.2 ✓
133	-76°	279	4	31.2	-76	48.3	8.9 ✓
134	-76°	284	4	38.9	-76	21.4	9.2 ✓
135	-76°	285	4	39.6	-76	21.3	9.2 ✓

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April 1, 1912

B 15-162 short disp.

No.	Int.	Class	Remark
136	4	Ko	
137	3	Ko	
138	4	a	
139	4	ly5	
140	3	ly0	
141	1	ma	
142	6	a0	
143	8	a0	
144	10	ly	
145	8	a	
146	3	ly	
147	4	ly5	
148	1	K	
149	4	F5	
150	4	Ko	
151	6	F0	
152	8	a	
153	4	ly5	
154	6	F8	
155	8	Ko	
156	4	Ko	
Time 0.07 157	3	Ko	
" 21.33 158	6	a	
159	6	a	
160	4	Ko	
161	8	Ko	
162	10	F5	Burned out

136	-77°	175	4	39.8	-77	6.2	9.1 ✓
137	-77°	179	4	41.5	-77	7.6	9.1 ✓
138	-77°	180	4	43.0	-77	19.2	9.0 ✓
139	-77°	174	4	37.5	-77	43.8	9.0 ✓
140	-78°	142	4	36.1	-78	30.0	9.0 ✓
141	-78°	146	4	39.1	-78	22.6	9.8 ✓
142	-78°	147	4	39.4	-78	37.2	8.1 ✓
143	-78°	145	4	37.8	-78	53.2	7.3 ✓
144	-77°	181	4	44.1	-77	53.4	7.0 ✓
145	-78°	152	4	50.2	-78	14.3	7.8 ✓
146	-79°	154	4	46.8	-79	2.0	8.9 ✓
147	-79°	152	4	45.1	-79	41.7	8.2 ✓
148	-79°	153	4	46.5	-79	33.4	9.2 ✓
149	-79°	155	4	50.8	-79	20.7	8.3 ✓
150	-79°	159	4	57.2	-79	33.4	9.0 ✓
151	-78°	159	4	59.7	-78	20.2	8.2 ✓
152	-78°	160	4	59.8	-78	35.5	7.4 ✓
153	-78°	161	4.5	2.4	-78	48.7	8.6 ✓
154	-78°	163	5	5.1	-78	21.7	7.9 ✓
155	-78°	165	5	7.0	-78	28.2	7.6 ✓
156	-78°	166	5	8.3	-78	21.0	8.3 ✓
157	-78°	170	5	15.5	-78	54.9	9.2 ✓
158	-79°	168	5	12.4	-79	51.8	7.5 ✓
159	-79°	169	5	16.6	-79	55.2	9.3 ✓
160	-79°	172	5	18.6	-79	57.6	9.5 ✓
161	-80°	146	5	21.1	-80	19.3	9.0 ✓
162	-80°	145	5	20.2	-80	32.7	7.9 ✓

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April 2 1912

B 15162 slant disp.

No.	Int.	Class	Remark
163	4	G_0	
164	3	K_0	
165	4	G_5	
166	2	K_0	
167	8	A_2	
168	4	F_0	
169	4	F_5	
170	5	F_8	
171	2	K_2	
172	6	G_0	
173	8	A_0	
174	8	A_3	
Time 21 36 175	2	K_0	

163	−79°	173	5	20.0	−79	7.2	9.2 ✓
164	−79°	174	5	20.3	−79	12.1	9.4 ✓
165	−78°	176	5	24.6	−78	55.3	9.4 ✓
166	−78°	175	5	24.4	−78	34.0	9.6 ✓
167	−78°	186	5	31.6	−78	26.5	8.4 ✓
168	−77°	204	5	32.8	−77	49.0	9.4 ✓
169	−77°	206	5	33.5	−77	28.1	9.1 ✓
170	−79°	186	5	39.2	−79	5.2	8.6 ✓
171	−79°	178	5	29.3	−79	47.2	9.4 ✓
172	−79°	184	5	34.8	−79	51.3	8.6 ✓
173	−79°	193	5	45.6	−79	58.3	8.0 ✓
174	−80°	132	4	56.2	−80	0.6	7.5 ✓
175	−79°	164	5	3.7	−79	18.9	9.3 ✓

Identified by A.M.C. May 10, 1912

Checked by J. C. M. May 23, 1912

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April 2, 1912

Time: 21. 36

H 37472

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

No	DM.		RA.		Dec.		Mg.	
1	+18°	1499	7	0.2	+18	31.2	7.7	✓
2	+18°	1503	7	0.9	+18	14.0	8.5	✓
3	+18°	1506	7	1.0	+18	47.8	8.3	✓
4	+19°	1629	7	1.4	+19	4.3	8.0	✓
5	+19°	1635	7	2.1	+19	33.5	8.5	✓
6	+20°	1723	7	1.7	+20	13.2	8.5	✓
7	+20°	1725	7	2.0	+20	2.0	7.8	✓
8	+20°	1727	7	2.8	+20	30.0	8.0	✓
9	+20°	1728	7	3.1	+20	55.3	8.6	✓
10	+20°	1729	7	3.3	+20	6.9	8.0	✓
11	+21°	1540	7	4.0	+21	11.7	8.5	✓
12	+21°	1481	7	54.5	+21	22.9	8.4	✓
13	+20°	1786	7	4.5	+20	49.0	8.7	✓
14	+20°	1740	7	5.2	+20	28.6	9.1	✓
15	+20°	1743	7	6.0	+20	44.9	8.0	✓
16	+19°	1669	7	6.1	+19	56.9	8.3	✓
17	+20°	1751	7	7.2	+20	6.4	7.7	✓
18	+19°	1650	7	4.8	+19	9.6	7.8	✓
19	+18°	1538	7	6.4	+18	48.4	8.1	✓
20	+19°	1661	7	6.9	+19	3.7	8.0	✓
21	+19°	1662	7	6.9	+19	18.7	8.0	✓
22	+19°	1675	7	9.4	+19	47.9	8.5	✓
23	+21°	1564	7	8.7	+21	0.1	8.1	✓
24	+21°	1566	7	9.0	+21	31.5	8.5	✓
25	+21°	1572	7	10.6	+21	13.1	8.7	✓
26	+21°	1574	7	11.3	+21	24.2	8.6	✓
27	+20°	1768	7	11.2	+20	43.8	8.4	✓

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No.	Fut.	Class	Remark
28	4	Bq	
29	8	K2	
30	2	K0	
31	2	A5	
32	2	K0	
33	5	Ao	
34	2	A	
35	5	K5	E.
36	8	Mb	E.
37	4	F	E.
38	2	A	E.
39	2	A	E.
40	2	Ao	E.
41	5	F5	E.
42	3	A	E.
43	10	A2	
44	1	A	E.
45	4	G5	
46	4	A	E.
47	3	A	
48	6	Bq	
49	1	A	
50	6	F2	
51	2	A5	
52	3	G5	
53	5	G5	
54	6	F0	

28	+20°	1770	7	11.9	+ 20	22.8	8.2	✓
29	+20°	1775	7	13.4	+ 20	41.8	6.0	✓
30	+19°	1685	7	11.5	+19	47.5	7.7	✓
31	+18°	1569	7	10.5	+ 18	50.2	8.8	✓
32	+18°	1577	7	12.1	+ 18	8.4	8.2	✓
33	+18°	1578	7	12.3	+ 18	8.6	8.6	✓
34	+17°	1549	7	12.2	+ 17	41.3	8.7	✓
35	+17°	1518	7	3.4	+ 17	13.0	7.0	✓
36	+16°	1417	7	5.1	+ 16	24.6	5.5	✓
37	+16°	1419	7	5.5	+ 16	49.3	7.7	✓
38	+16°	1421	7	6.0	+ 16	47.5	8.5	✓
39	+16°	1423	7	6.2	+ 16	50.8	8.4	✓
40	+16°	1426	7	6.8	+ 16	55.0	8.6	✓
41	+16°	1433	7	8.4	+ 16	22.4	7.5	✓
42	+16°	1442	7	9.7	+ 16	0.5	8.4	✓
43	+16°	1443	7	9.8	+ 16	47.7	4.1	✓
44	+16°	1447	7	11.1	+ 16	21.9	9.0	✓
45	+16°	1448	7	11.9	+ 16	24.2	8.0	✓
46	+16°	1453	7	13.0	+ 16	14.8	8.5	✓
47	+17°	1557	7	13.8	+ 17	1.6	8.6	✓
48	+17°	1561	7	14.7	+ 17	41.3	7.7	✓
49	+18°	1591	7	14.3	+ 18	19.2	9.0	✓
50	+18°	1593	7	14.7	+ 18	33.0	7.0	✓
51	+18°	1603	7	16.4	+ 18	20.8	9.0	✓
52	+19°	1720	7	16.7	+ 19	16.7	7.9	✓
53	+18°	1610	7	17.5	+ 18	26.0	7.0	✓
54	+18°	1616	7	18.0	+ 18	48.1	8.0	✓

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No.	Fut.	Class	Remark
55	2	F	Aw edge on fob. side of 54
56	4	A0	
57	2	F5	
58	5	G0	
59	6	K0	
60	6	G0	
61	2	A	Auriken star superposed at violet?
62	2	A	
63	2	G5	
64	3	F0	
65	3	K	
66	4	K0	
67	5	G5	E.
68	8	B3	E.
69	2	A	E.
70	5	B8	E.
71	2	F	E.
72	4	A0	
73	8	K0	
74	1	F	
75	1	K	
76	3	B9	
77	3	K0	
78	10	A0	
79	2	G	Focus prod.
80	3	F2	
81	2	G5	

55	+18°	1618	7	18.1	+18	48.7	8.5 ✓
56	+18°	1620	7	18.6	+18	10.7	8.3 ✓
57	+19°	1733	7	18.9	+19	28.3	8.7 ✓
58	+19°	1734	7	19.4	+19	20.5	7.2 ✓
59	+19°	1743	7	21.0	+19	55.6	7.0 ✓
60	+20°	1822	7	21.9	+20	6.7	7.5 ✓
61	+20°	1824	7	22.2	+20	13.8	8.8 ✓
62	+18°	1640	7	21.6	+18	56.0	8.0 ✓
63	+18°	1631	7	20.7	+18	6.1	8.7 ✓
64	+17°	1587	7	21.4	+17	40.0	8.5 ✓
65	+17°	1586	7	21.2	+17	9.9	8.5 ✓
66	+16°	1466	7	15.5	+16	56.6	8.1 ✓
67	+15°	1554	7	14.8	+15	37.9	6.9 ✓
68	+15°	1564	7	16.2	+15	47.6	7.0 ✓
69	+15°	1568	7	17.3	+15	59.8	5.9 ✓
70	+15°	1574	7	19.2	+15	35.4	7.3 ✓
71	+16°	1485	7	20.0	+16	15.9	9.2 ✓
72	+16°	1490	7	21.2	+16	27.7	8.1 ✓
73	+17°	1596	7	23.4	+17	23.1	6.2 ✓
74	+16°	1502	7	23.8	+16	31.0	8.9 ✓
75	+16°	1505	7	24.5	+16	38.6	8.5 ✓
76	+16°	1506	7	24.8	+16	16.6	8.0 ✓
77	+15°	1598	7	25.2	+15	55.8	7.5 ✓
78	+16°	1510	7	25.3	+16	8.3	5.7 ✓
79	+19°	1749	7	22.0	+19	15.9	8.7 ✓
80	+18°	1653	7	24.0	+18	40.2	8.1 ✓
81	+17°	1610	7	26.1	+17	15.1	8.0 ✓

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No	Fut.	Class	Remark
82	5	A2	
83	6	F0	
84	2	K0	
85	8	B	Focus too poor to subdivide. Ba or Be 5
86	8	K	E.
87	3	ly	E.
88	6	ly5	
89	2	A0	
90	2	K0	
91	5	ly	
92	2	A	
93	8	F5	
94	2	ly5	E. Focus very poor.
95	5	B9	
96	5	K0	
97	2	A	
98	2	ly	
99	3	F8	
100	5	A0	
101	2	F	Focus poor
102	2	A	
103	2	K	
104	1	ly5	Orint unless confirmed.
105	2	ly5	
106	10	F	
107	2	K0	
108	2	A5?	

82	+18°	1681	7	28.0	+18	29.8	8.0	✓
83	+19°	1784	7	29.1	+19	14.2	7.0	✓
84	+17°	1617	7	27.0	+17	41.8	7.9	✓
85	+17°	1628	7	28.8	+17	13.3	8.0	✓
86	+18°	1701	7	31.1	+18	0.3	5.4	✓
87	+21°	1572	6	~~58.8~~ 57.7	+21	6.9	8.9	✓
88	+21°	1528	7	1.5	+21	29.4	7.0	✓
89	+21°	1524	7	0.8	+21	49.8	9.0	✓
90	+22°	1596	7	1.0	+22	35.5	8.0	✓
91	+22°	1609	7	3.4	+22	30.7	8.0	✓
92	+23°	1634	7	2.9	+23	27.8	8.5	✓
93	+24°	1558	7	3.6	+24	22.1	6.0	✓
94	+25°	1613	7	5.1	+25	15.3	8.3	✓
95	+24°	1576	7	5.6	+24	56.8	7.3	✓
96	+25°	1618	7	5.8	+25	8.6	6.3	✓
97	+24°	1575	7	5.4	+24	14.8	8.5	✓
98	+24°	1583	7	6.7	+24	6.3	7.7	✓
99	+24°	1590	7	7.8	+24	7.7	8.3	✓
100	+24°	1592	7	8.0	+24	46.8	7.5	✓
101	+23°	1647	7	6.1	+23	19.9	7.8	✓
102	+22°	1622	7	7.0	+22	47.4	8.6	✓
103	+22°	1620	7	6.9	+22	12.8	7.2	✓
104	+21°	1560	7	8.3	+21	59.9	8.8	✓
105	+22°	1642	7	10.7	+22	16.6	8.0	✓
106	+22°	1645	7	11.5	+22	14.9	3.5	✓
107	+22°	1655	7	13.5	+22	54.9	8.1	✓
108	+22°	1658	7	14.1	+22	21.0	9.0	✓

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No.	Int.	Class	Remark
109	2	B8	
110	5	B9	
111	3	F0	
112	2	A5	
113	6	A0	
114	7	A5	
115	8	F0	
116	2	A0	
117	2	F8	
118	6	F5	
119	4	K5	The n. f. of two.
120	10	F5	
121	4	G5	
122	2	G0	
123	2	K0	
124	4	Pec.	Bright line. Gas. neb. ? 5008 H+K Stijat.
125	6	A0	
126	6	A0	
127	5	A2	
128	5	A2	
129	6	G5	
130	1	K5	Difficult
131	1	K5	"
132	2	G	
133	2	A	
134	2	G	
135	3	F5	

109	+22°	1661	7	14.5	+22	15.2	8.7	✓
110	+21°	1589	7	15.5	+21	43.5	8.0	✓
111	+20°	1781	7	14.5	+20	49.0	8.5	✓
112	+20°	1784	7	14.8	+20	59.7	8.7	✓
113	+20°	1795	7	16.3	+20	16.9	7.5	✓
114	+20°	1798	7	17.0	+20	47.9	7.0	✓
115	+20°	1805	7	18.4	+20	33.1	6.5	✓
116	+20°	1808	7	~~18.9~~ 19.0	+20	~~42.4~~ 6.5	8.8 8.7	✓
117	+20°	1806	7	18.9	+20	42.4	8.7	✓
118	+21°	1596	7	18.3	+21	49.8	6.8	✓
119	+22°	1687	7	19.0	+22	26.5	7.0	✓
120	+21°	1602	7	19.1	+21	44.3	5.8	✓
121	+21°	1606	7	19.8	+21	50.9	7.4	✓
122	+21°	1607	7	20.1	+21	58.2	9.0	✓
123	+22°	1694	7	20.2	+22	7.2	8.0	✓
124	+21°	1688 1689	7	20.6	+21	~~43.8~~ 12	7.1 8.4	✓
125	+21°	1614	7	21.7	+21	4.9	8.1	✓
126	+20°	1823	7	22.1	+20	48.8	7.3	✓
127	+20°	1825	7	22.5	+20	42.1	8.5	✓
128	+21°	1629	7	23.8	+21	24.5	8.5	✓
129	+21°	1630	7	24.0	+21	42.4	7.1	✓
130	+21°	1636	7	25.4	+21	25.5	8.7	✓
131	+21°	1637	7	25.5	+21	17.6	8.9	✓
132	+21°	1638	7	25.8	+21	55.5	8.8	✓
133	+21°	1640	7	26.4	+21	37.5	9.0	✓
134	+21°	1646	7	28.4	+21	28.3	8.8	✓
135	+21°	1647	7	28.6	+21	41.4	8.5	✓

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No.	Dut.	Class	Remark
136	4	K0	
137	7	F5	
138	6	g5	
139	2	A	
140	3	F5	
141	2	A	
142	2	A	
143	3	A2	
144	3	g	
145	2	A3	
146	9	A0	
147	2	F5	
148	9	g	8.
149	2	A	
150	2	A0	
151	3	F	
152	4	F8	
153	3	A0	
154	2	K0	
155	2	A2	
156	3	Ma	
157	3	g	
158	4	A	
159	2	g5	
160	5	g5	
161	3	g5	
162	5	g5	

136	+20°	1866	7	28.6	+20	29.0	7.0	✓
137	+20°	1866	7	30.8	+20	27.5	7.5	✓
138	+21°	1668	7	33.7	+21	17.9	8.5	✓ Neptune.
139	+24°	1599	7	9.0	+24	47.5	8.3	✓
140	+24°	1600	7	9.3	+24	19.3	8.5	✓
141	+23°	1667	7	4.7	+23	43.7	9.1	✓
142	+24°	1611	7	10.1	+24	21.5	8.3	✓
143	+23°	1681	7	12.0	+23	53.9	8.5	✓
144	+23°	1690	7	13.8	+23	13.7	8.5	✓
145	+23°	1692	7	13.8	+23	24.3	8.4	✓
146	+23°	1698	7	14.8	+23	12.9	6.5	✓
147	+23°	1704	7	15.7	+23	12.0	8.5	✓
148	+25°	1660	7	14.6	+25	19.5	5.0	✓
149	+24°	1659	7	18.2	+24	13.7	8.3	✓
150	+24°	1663	7	19.2	+24	16.3	8.5	✓
151	+25°	1677	7	19.2	+25	19.0	8.2	✓
152	+24°	1665	7	19.9	+24	57.0	7.6	✓
153	+24°	1670	7	20.4	+24	7.0	8.3	✓
154	+22°	1689	7	19.4	+22	56.8	8.3	✓
155	+23°	1727	7	20.2	+23	6.9	8.7	✓
156	+23°	1728	7	20.6	+23	5.7	8.3	✓
157	+23°	1730	7	21.4	+23	7.7	8.5	✓
158	+23°	1734	7	21.9	+23	15.0	8.6	✓
159	+22°	1706	7	22.7	+22	35.1	8.5	✓
160	+23°	1744	7	24.2	+23	12.3	6.9	✓
161	+23°	1756	7	26.0	+23	15.8	7.9	✓
162	+23°	1760	7	26.5	+23	21.5	6.8	✓

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No.	Fil.	Class	Remark
163	4	fp5	
164	7	7	
165	8	a	
Time 22.10 166	1	N	0, 8, 10.
~~167~~			
167	1	F5	

163	+22°	1735	7	29.0	+22	40.2	7.1	
164	+24°	1727	7	29.5	+24	41.7	7.0	
165	+24°	1730	7	30.4	+24	34.2	7.0	
166	+24°	1686	7	23.1	+24	48.8	8.2	✓

Identified by A.M.C. May 10, 1912

Checked by J.C.M. May 16, 1912

~ 167 +18 1644 7 21.6 +18 56 F5 208 m I 37570

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April 12, 1912

Time: 21. 35

I 87 610

No.	Int.	Class	Remark
1	4	a	E.
2	3	a	E.
3	8	h0	
4	9	h0	
5	3	h5	
6	4	a5	
7	2	h	
8	9	h0	
9	3	a5	
10	2	h	
11	9	h5	
12	1	f8	
13	1	h5	
14	2	h	
15	2	h5	
16	5	a0	
17	2	f2	
18	2	f8	
19	2	h0	
20	3	a3	
21	3	ma	
22	3	k2	
23	2	a	
24	2	f	Uncertain. Near edge.
25	10	k	E.
26	4	a2	
27	5	h5	

1	+9	2181	9	18.4	+9	25.2	8.2	✓
2	+8°	2225	9	20.2	+8	55.0	8.5	✓
3	+8°	2226	9	20.8	+8	49.1	6.0	✓
4	+9°	2188	9	20.7	+9	40.9	6.3	✓
5	+11°	2052	9	22.8	+11	14.3	7.8	✓
6	+10°	2011	9	23.2	+10	47.3	7.7	✓
7	+10°	2012	9	23.5	+10	55.5	8.3	✓
8	+10°	2014	9	24.2	+10	21.0	6.0	✓
9	+11°	2055	9	24.5	+11	24.8	7.9	✓
10	+11°	2054	9	24.3	+11	39.4	8.0	✓
11	+11	2053	9	24.1	+11	55.7	6.3	✓
12	+12°	2054	9	24.8	+12	1.8	8.5	✓
13	+12°	2056	9	25.8	+12	44.2	9.1	✓
14	+11°	2060	9	27.2	+11	47.4	8.8	✓
15	+12°	2067	9	28.5	+12	5.0	8.0	✓
16	+11°	2064	9	28.7	+11	30.0	7.7	✓
17	+11°	2063	9	28.6	+11	12.7	8.5	✓
18	+10°	2026	9	28.0	+10	30.7	8.5	✓
19	+10°	2021	9	27.1	+10	19.5	8.3	✓
20	+9°	2200	9	26.5	+9	48.7	8.3	✓
21	+8°	2243	9	27.0	+8	49.5	8.2	✓
22	+7°	2147	9	24.9	+7	42.3	7.5	✓
23	+9°	2210	9	28.6	+9	27.0	9.0	✓
24	+7°	2159	9	28.9	+7	45.7	8.1	✓
25	+7°	2160	9	29.6	+7	28.6	5.8	✓
26	+8°	2249	9	30.7	+8	21.7	7.7	✓
27	+8°	2251	9	82.5	+8	56.0	7.8	✓

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I37 610

No.	Int.	Class	Remark.
28	2	A2	
29	1	f	
30	1	f5	
31	7	F0	
32	10+	F2	Burned out
33	7	A3	
34	1	f5	
35	2	f0	
36	1	F5	
37	3	F0	
38	7	F2	
39	4	K5	
40	2	F8	
41	2	F5	
42	8	A3	
43	4	f0	
44	3	f	E.
45	3	F5	E.
46	3	F5	E.
47	1	F	
48	7	Ma	
49	3	K2	
50	4	f5	Partly outside on 51
51	7	F5	
52	7	F0	
53	5	F5	
54	2	F5	

28	+9°	2223	9	32.5	+9	23.4	8.5	✓
29	+10°	2041	9	32.2	+10	10.6	8.5	✓
30	+10°	2043	9	32.8	+10	4.9	8.7	✓
31	+9°	2226	9	33.5	+9	39.9	7.5	✓
32	+10°	2044	9	33.4	+10	32.5	8.7	✓
33	+11°	2071	9	31.0	+11	26.1	7.7	✓
34	+11°	2079	9	32.2	+11	9.2	8.8	✓
35	+12°	2076	9	32.3	+12	12.2	8.8	✓
36	+11°	2083	9	34.0	+11	49.4	8.9	✓
37	+11°	2085	9	35.4	+11	9.2	8.5	✓
38	+11°	2087	9	35.8	+11	11.0	8.0	✓
39	+10°	2049	9	37.7	+10	53.2	7.6	✓
40	+8°	2253	9	33.3	+8	50.8	8.8	✓
41	+9°	2227	9	34.4	+9	21.5	9.0	✓
42	+9°	2229	9	35.3	+9	27.7	8.3	✓
43	+8°	2261	9	36.0	+8	37.4	8.2	✓
44	+8°	2258	9	34.7	+8	4.0	8.8	✓
45	+7°	2165	9	34.4	+7	23.4	8.7	✓
46	+6°	2206	9	35.9	+6	52.4	8.3	✓
47	+7°	2175	9	37.1	+7	49.4	9.2	✓
48	+7°	2181	9	38.5	+7	22.0	5.8	✓
49	+7°	2182	9	39.4	+7	45.0	8.1	✓
50	+9°	2232	9	37.5	+9	22.7	8.5	✓
51	+9°	2233	9	37.6	+9	33.2	8.0	✓
52	+9°	2239	9	39.6	+9	15.0	7.0	✓
53	+8°	2268	9	41.2	+8	58.5	8.0	✓
54	+10°	2058	9	40.7	+10	1.5	9.0	✓

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No.	Int.	Class	Remark
55		fg	
55a	4	fg5	
56	2	fg	
56a	6	as5	
57	3	fg5	
58	2	f	
59	2	fg	
60	5	fg5	
61	5	K0	E.
62	8	K0	
63	6	K0	
64	8	Ma	E.
65	8	K5	
66	8	K0	
67	1	Ma	Bright line fairly K 8
68	2	K0	
69	1	fg	
70	4	f8	
71	4	A0	
72	9	A0	
73	1	fg	
74	3	f8	
75	1	fg5	
76	6	K5	
77	1	fg	
78	2	Mb	
79	2	fg	
80	3	fg0	
81	1	fg5	

55	+10°	2060	g	42.0	+10	27.9	9.4	✓
55a	+10	2054	g	40.0	+10	44.5	7.7	✓
56	+10°	2061	g	42.4	+10	20.3	8.5	✓
56a	+11°	2104	g	39.9	+11	3.1	8.0	✓
57	+8°	2275	g	43.2	+8	47.7	8.0	✓
58	+8°	2276	g	43.4	+8	45.0	9.0	✓
59	+8°	2281	g	44.5	+8	47.7	8.5	✓
60	+8°	2285	g	46.4	+8	45.4	7.2	✓
61	+8°	2289	g	48.3	+8	23.1	7.5	✓
62	+9°	2262	g	48.8	+9	38.5	6.2	✓
63	+9°	2269	g	50.5	+9	1.5	6.8	✓
64	+8°	2301	g	52.5	+8	44.3	5.0	✓
65	+12°	2090	g	38.6	+12	29.2	6.2	✓
66	+12°	2095	g	39.6	+12	15.0	7.0	✓
67	+12°	2096	g	39.8	+12	5.8	var.	✓
68	+11°	2102	g	39.7	+11	30.5	7.8	✓
69	+11°	2107	g	41.1	+11	13.8	9.0	✓
70	+11°	2108	g	42.1	+11	46.5	7.8	✓
71	+11°	2112	g	43.2	+11	34.6	8.2	✓
72	+12°	2105	g	43.0	+12	30.7	6.8	✓
73	+12°	2101 ~~2099~~	g	41.8	+12	46.6	8.5	✓
74	+12°	2099 ~~2101~~	g	41.8	+12	46.7	8.5 ~~9.6~~	✓
75	+13°	2160	g	41.0	+13	11.3	8.8	✓
76	+13°	2164	g	43.2	+13	45.2	6.5	✓
77	+11°	2117	g	45.6	+11	51.4	8.7	✓
78	+10°	2068	g	46.2	+10	59.1	8.6	✓
79	+10°	2065	g	45.4	+10	17.1	8.8	✓
80	+10°	2072	g	47.6	+10	47.0	8.2	✓
81	+10°	2075	g	48.6	+10	56.3	8.5	✓

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No.	Int.	Class	Remark
82	3	A0	
83	6	F2	E.
84	3	K0	
85	2	F5	
86	10	B8	E.
87	3	F8	E.
88	4	K0	E.
89	4	G0	
90	5	G5	
91	2	G5	
92	2	K0	
93	2	G0	
94	3	K0	
95	2	F8	
96	4	K0	
97	2	G	Another star superposed? Yes.
98	7	B9	
99	1	F5	
100	1	G	
101	1	G0	
102	6	G5	
103	2	A5	
104	2	K2	
105	7	F5	
106	7	F8	
107	2	G5	
108	2	F5	

82	+11°	2128	q	48.6	+11	21.8	8.5	✓
83	+11°	2134	q	50.9	+11	39.4	7.3	✓
84	+11°	2136	q	51.0	+11	9.3	7.2	✓
85	+10°	2081	q	50.3	+10	22.8	8.5	✓
86	+13°	2183	q	50.4	+13	7.2	5.5	✓
87	+12°	2039	q	19.8	+12	1.9	8.7	✓
88	+13°	2091	q	19.7	+13	1.4	7.8	✓
89	+13°	2094	q	20.6	+13	17.2	7.5	✓
90	+13°	2096	q	20.7	+13	1.2	7.2	✓
91	+13°	2097	q	20.9	+13	12.6	7.5	✓
92	+13°	2098	q	22.0	+13	59.6	8.3	✓
93	+13°	2100	q	22.5	+13	34.7	8.0	✓
94	+14°	2101	q	22.8	+14	7.7	7.7	✓
95	+14°	2103	q	23.1	+14	7.3	8.6	✓
96	+13°	2104	q	23.4	+13	29.7	7.0	✓
97	+13	2115	q	26.9	+13	56.3	9.0	✓ +14° 2111 Superposed. Mags. 9.5
98	+13°	2117	q	27.1	+13	18.0	6.5	✓
99	+13°	2118	q	27.4	+13	12.0	8.7	✓
100	+13°	2119	q	28.3	+13	20.0	9.0	✓
101	+12°	2070	q	29.9	+12	32.0	9.0	✓
102	+13°	2128	q	30.4	+13	22.5	6.8	✓
103	+13°	2132	q	31.4	+13	4.5	9.0	✓
104	+12°	2075	q	31.7	+12	49.4	8.5	✓
105	+13°	2131	q	31.4	+13	58.6	7.0	✓
106	+13°	2136	q	32.7	+13	42.7	6.9	✓
107	+13°	2139	q	33.8	+13	33.3	8.3	✓
108	+14°	2131	q	34.3	+13	11.6	8.6	✓

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No.	Int.	Class	Remark
109	4	K0	
110	2	K5	
111	2	F	
112	4	K0	
113	3	F0	
114	5	A0	
115	5	A2	
116	2	G	
117	1	K	
118	2	G5	Focus poor
119	5	G0	
120	3	G5	E.
121	3	G	E.
122	5	A3	E.
123	4	K2	E.
124	3	G	E.
125	3	K5	Maybe Mira. E.
126	8	K0	
127	7	B9	
128	2	K0	
129	10	A0	
130	4	F2	
131	7	F2	
132	2	G5	
133	2	G	
134	2	A2	
135	1	K	

109	+14°	2134	q	35.7	+14	6.3	7.3	✓
110	+12°	2082	q	36.9	+12	49.1	8.3	✓
111	+14°	2139	q	38.2	+14	7.2	8.8	✓
112	+14°	2147	q	40.0	+14	9.7	8.2	✓
113	+14°	2151	q	41.0	+14	27.6	8.2	✓
114	+15°	2114	q	41.2	+15	16.7	8.2	✓
115	+15°	2115	q	41.3	+15	37.5	8.2	✓
116	+15°	2117	q	42.0	+15	24.1	8.5	✓
117	+15°	2118	q	42.0	+15	14.1	8.3	✓
118	+14°	2157	q	43.0	+14	47.5	8.2	✓
119	+15°	2127	q	45.9	+16	26.3	7.8	✓
120	+15°	2136	q	48.8	+15	26.0	7.8	✓
121	+15°	2141	q	50.3	+15	55.2	7.7	✓
122	+15°	2049	q	18.9	+15	8.3	8.0	✓
123	+14°	2095	q	19.6	+14	54.7	7.2	✓
124	+14°	2097	q	20.0	+14	23.3	8.2	✓
125	+16°	1984	q	23.7	+16	26.2	7.5	✓
126	+17°	2109	q	29.0	+17	6.3	6.3	✓
127	+14°	2113	q	27.3	+14	43.4	8.3	✓
128	+14°	2115	q	27.6	+14	46.8	9.0	✓
129	+15°	2077	q	28.0	+15	1.4	6.8	✓
130	+15°	2083	q	29.4	+15	53.5	8.5	✓
131	+15°	2087	q	30.1	+15	0.1	6.8	✓
132	+15°	2091	q	31.1	+15	4.1	8.5	✓
133	+14°	2127	q	32.5	+14	38.8	8.8	✓
134	+14°	2130	q	33.2	+14	46.8	9.1	✓
135	+15°	2098	q	34.4	+15	25.3	8.6	✓

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No.	Int.	Class	Remark
136	3	K	E.
137	2	F5	
138	2	F8	
139	9	Ma	
Time: 22.88140	2v	ly	Partly superposed on 139.
44+			
141	2	G5	
142	1	K	

136	+16°	2010	9	33.8	+16	24.9	8.0	✓
137	+16°	2026	9	39.2	+16	11.6	8.7	✓
138	+17°	2133	9	35.2	+14	47.5	8.8	✓
139	+14°	2136	9	35.8	+14	40.5	6.0	✓
140	+14°	2137	9	35.9	+14	27.8	8.8	✓

Identified by M. C. W. July 15, 1912.
Checked by AMC, July 30, 1912

–	141	+12	2083	9	20.7	+12	11	8.5	36 m
–	142	+13	2101	9	23.3	+13	6	8.5	32

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April 12, 1912

Time: 22.

No.	Int.	Class	Remark
1			
2			
3			
4			

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