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Bk. 48

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Monday, July 8, 1912

Time: 10.15

B 8897 Long. disp.

No.	Int.	Class	Remark
1	5	K0	
2	10	B9	E.
3	3	K2	
4	6	B9	
5	3	A	
6	3	A	
7	8	K0	
8	10	B3	
9	2	K0	
10	5	A5	
11	3	B8	
12	4	B8	
13	3	A3	
14	10	F5	E.
15	3	G5	E.
16	4	F5	E.
17	3	A2	
18	4	G5	
19	6	B8	
20	5	B8	
21	5	F0	
22	9	F0	
23	4	Ma	
24	4	B9	
25	6	F0	
26	8	F0	
27	3	A0	

1	-35°	3874	7	42.7	-35	46.2	7.1	✓
2	-34°	3970	7	44.6	-34	56.2	6.4	✓
3	-35°	3924	7	45.2	-35	46.5	7.1	✓
4	-35°	3935	7	45.8	-35	55.5	7.5	✓
5	-35°	3940	7	46.0	-35	56.9	7.5	✓
6	-36°	3966	7	46.5	-36	9.3	8.1	✓
7	-36°	3989	7	48.5	-36	2.3	6.0	✓
8	-35°	4002	7	49.6	-35	32.0	6.1	✓
9	-36°	3981	7	48.2	-36	35.6	8.0	✓
10	-36°	3997	7	49.0	-36	36.6	7.5	✓
11	-35°	4014	7	50.1	-35	56.3	8.5	✓
12	-35°	4030	7	51.4	-35	34.9	8.3	✓
13	-36°	4029	7	51.1	-36	15.3	8.3	✓
14	-34°	4036	7	47.6	-34	23.3	5.7	✓
15	-34°	4053	7	48.5	-34	36.5	7.3	✓
16	-34°	4091	7	50.0	-34	31.2	6.8	✓
17	-36°	4063	7	53.9	-36	5.1	8.0	✓
18	-36°	4067	7	54.0	-36	40.6	7.3	✓
19	-36°	4076	7	54.9	-36	57.5	7.7	✓
20	-37°	4102	7	53.5	-37	14.5	7.7	✓
21	-37°	4120	7	54.6	-37	48.0	7.5	✓
22	-36°	4116	7	57.1	-36	56.4	6.6	✓
23	-36°	4120	7	57.5	-36	42.3	6.9	✓
24	-36°	4125	7	57.8	-36	29.2	8.0	✓
25	-36°	4128	7	58.0	-36	3.7	7.1	✓
26	-35°	4122	7	57.2	-35	49.7	7.6	✓
27	-35°	4114	7	56.9	-35	26.7	8.0	✓

cards made out.

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Monday, July 8, 1912

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Hr.	Int.	Class	Remark
28	4	B9	
29	5	A2	
30	3	A0	
31	3	B9	
32	4	B5	
33	3	A0	
34	2	A3	
35	6	F5	
36	5	A3	
37	8	G5	
38	3	F0	
39	3	A0	
40	8	B2	
41	2	F2	
42	3	B5	
43	3	K0	
44	6	A0	
45	3	B5	
46	7	B0	
47	7	B2	Line near 48 strong. Maybe 6.5
48	8	A3	
49	4	B3	
50	4	A2	
51	3	B9	
52	6	F8	
53	4	B9	
54	6	B2.5	Bright line between 53 & 54?

28	-35°	4112	7	56.8	-35	1.4	7.7	✓
29	-35°	4094	7	55.6	-35	38.6	7.5	✓
30	-36°	4158	8 7	59.4	-36	13.3	8.3	✓
31	-35°	4171	8	0.2	-35	47.6	8.3	✓
32	-35°	4193	8	1.2	-35	37.4	9.3	✓
33	-36°	4182	8	0.7	-36	22.9	8.5	✓
34	-36°	4185	8	0.9	-36	39.8	8.4	✓
35	-36°	4211	8	2.5	-36	1.3	7.5	✓
36	-34°	4365	8	3.3	-34	50.7	7.3	✓
37	-35°	4256	8	4.6	-35	5.2	6.8	✓
38	-36°	4227	8	3.5	-36	3.6	8.3	✓
39	-36°	4231	8	3.8	-36	26.4	8.1	✓
40	-37°	4288	8	4.1	-37	18.8	6.7	✓
41	-37°	4280	8	3.5	-37	38.7	8.5	✓
42	-37°	4297	8	4.6	-37	26.3	8.8	✓
43	-37°	4316	8	5.7	-37	48.2	8.3	✓
44	-37°	4333	8	6.3	-37	53.7	8.1	✓
45	-36°	4279	8	5.7	-36	48.9	8.3	✓
46	-36°	4291	8	6.4	-36	55.4	6.8	✓
47	-36°	4322	8	7.8	-36	37.2	6.9	✓
48	-37°	4394	8	8.3	-37	33.0	6.8	✓
49	-38°	4187	8	8.8	-38	3.2	7.5	✓
50	-38°	4205	8	9.9	-38	8.2	7.7	✓
51	-37°	~~4452~~ 4452	8	10.1	-37	32.5	8.0	✓
52	-36°	4389	8	10.8	-36	69.8	8.0	✓
53	-36°	4381	8	10.4	-36	16.7	8.3	✓
54	-36°	4359	8	9.4	-36	34.2	7.5	✓

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Thursday, July 8, 1915.

B 8897

No.	Int.	Class	Remark
55	10+	B	
56	10+	B	#3 bright.
57	5	B3	
58	6	B8	Partly superposed on 59.
59	6	B8	
60	4	B8	
61	5	B8	Partly superposed on 55.
62	7	B5	
63	5	B5	
64	8	B2	
65	10+	A3	
66	5	A0	
67	5	A0	
68	2	A	
69	4	A0	
70	10+	B	Cannot subdivide
71	5	B9	E.
72	3	K0	
73	3	A2	
74	4	A2	
75	2	A0	
76	10+	B	Burned out.
77	4	A0	
78	3	B8	
79	2	A2	
80	2	A2	
81	4	A0	Line 4077 reso.

55	−35°	4358	8	9.3	−35	56.3	5.9	✓ −35° 4360 superposed.
56	−35°	4349	8	8.8	−35	31.2	5.3	✓
57	−35°	4336	8	8.2	−35	51.3	8.2	✓
58	−35°	4344	8	8.6	−35	57.8	8.0	✓
59	−35°	4346	8	8.7	−35	55.6	8.0	✓
60	−36°	4348	8	8.8	−36	1.6	8.7	✓
61	−36°	4358	8	9.4	−36	2.9	8.0	✓
62	−35°	4413	8	11.7	−35	49.1	7.5	✓
63	−35°	4441	8	13.1	−35	41.3	7.1	✓
64	−35°	4452	8	13.5	−35	3.4	6.3	✓
65	−36°	4449	8	13.9	−36	16.4	4.7	✓
66	−36°	4443	8	13.6	−36	58.8	7.0	✓
67	−37°	4555	8	15.1	−37	1.3	7.1	✓
68	−36°	4479	8	15.2	−36	48.1	8.5	✓
69	−36°	4481	8	15.3	−36	11.5	8.3	✓
70	−36°	4513	8	16.6	−36	5.3	5.9	✓
71	−36°	4678	8	19.3	−36	18.6	7.3	✓
72	−38°	3694	7	45.1	−38	41.1	8.0	✓
73	−39°	3663	7	45.5	−39	26.3	8.5	✓
74	−39°	3672	7	45.7	−39	28.3	8.5	✓
75	−37°	3981	7	47.0	−37	18.7	8.3	✓
76	−38°	3769	7	48.2	−38	32.6	4.9	✓
77	−38°	3816	7	50.4	−38	5.4	7.3	✓
78	−38°	3829	7	51.3	−38	0.1	8.3	✓
79	−37°	4050	7	51.1	−37	31.7	8.3	✓
80	−38°	3859	7	52.7	−38	5.2	8.5	✓
81	−39°	3839	7	53.8	−39	16.4	8.0	✓

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No.	Int.	Class	Remark
82	6	A0	
83	10	F2	
84	3	K0	
85	4	A2	
86	7	A0	
87	10	B8	Burned out.
88	4	K0	
89	10+	G8	Like S Sculptis.
90	6	A0	
91	6	B9	Lines narrow.
92	9	K2	
93	2	A0,	
94	4	A0 B9	
95	4	K2	
96	5	K2	
97	10	K	
98	3	A0	
99	7	B3	
100	5	A0	
101	3	A	
102	2	F0	
103	6	A0	
104	9	A5	
105	5	A2	
106	4	A3	
107	6	F5	
108	5	B8	

82	-39°	3858	7	54.7	-39	4.8	7.6	✓
83	-38°	3908	7	55.1	-38	57.6	5.9	✓
84	-39°	3831	7	53.4	-39	47.0	7.7	✓
85	-40°	3722	7	55.3	-40	24.7	8.1	✓
86	-39°	3883	7	56.3	-39	51.6	7.5	✓
87	-40°	3776	7	58.5	-40	57.4	6.2	✓
88	-40°	3783	7	58.8	-40	46.4	7.5	✓
89	-39°	3939	7	59.2	-39	38.9	2.5	✓
90	-39°	4026	8	4.2	-39	8.1	7.4	✓
91	-38°	4155	8	6.5	-38	42.3	7.5	✓
92	-39°	4084	8	6.9	-39	15.1	4.8	✓
93	-38°	4164	8	7.4	-38	35.2	8.5	✓
94	-40°	3915	8	5.7	-40	47.5	8.4	✓
95	-40°	3938	8	6.8	-40	23.2	7.0	✓
96	-41°	3867	8	7.6	-41	25.2	7.0	✓
97	-39°	4128	8	9.6	-39	58.4	4.8	✓
98	-40°	4012	8	10.0	-40	7.9	8.3	✓
99	-40°	4014	8	10.1	-40	26.5	6.9	✓
100	-39°	4183	8	12.8	-39	51.5	7.9	✓
101	-40°	4084	8	14.2	-40	0.8	8.2	✓
102	-40°	4103	8	15.1	-40	3.3	8.5	✓
103	-38°	4294	8	14.4	-38	41.0	7.3	✓
104	-39°	4245	8	16.9	-39	13.4	6.5	✓
105	-40°	4137	8	17.2	-40	3.3	8.0	✓
106	-40°	4120	8	16.4	-40	40.8	7.7	✓
107	-40°	4151	8	17.7	-40	35.1	7.3	✓
108	-39°	4274	8	18.7	-39	58.7	7.7	✓

Cards made out.

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Thursday, July 8, 1912.

B 8897

No.	Int.	Class	Remark
109	7	B3.	
110	9	A4.	
111	4	B9	
112	5	B9	
113	8	B3	
114	10	B3	
115	4	A2	
116	7	B5	
117	4	B9	
118	5	A0	
119	4	B9	
120	3	B8	
121	5	B8	
122	3	B9	
123	10	B3	
124	10	B5	
125	5	B3	
126	4	F0	
127	6	A	
128	5	A	Nearly all superposed on 127.
129	5	B5	
130	10+	B8	
131	10	B5	
132	9	B8	
133	4	B9	
134	4	A	
135	8	B9	

109	-40°	4212	8	20.1	-40	20.7	7.3	✓
110	-38°	4462	8	21.7	-38	38.9	6.5	✓
111	-41°	4091	8	20.0	-41	7.1	7.9	✓
112	-41°	4079	8	19.4	-41	38.4	7.7	✓
113	-42°	4218.9	8	20.6	-42	22.0	6.5	✓
114	-41°	4119	8	21.5	-41	44.7	6.0	✓
115	-42°	4249.50	8	22.3	-42	6.8	7.6	✓
116	-39°	3587	7	42.3	-39	45.0	7.0	✓
117	-41°	3437	7	45.8	-41	50.0	8.0	✓
118	-42°	3541	8 7	44.0	-42	11.6	8.3	✓
119	-42°	3566	8 7	45.2	-42	22.0	7.0	✓
120	-42°	3617	8 7	48.0	-42	0.2	8.7	✓
121	-41°	3486	7	48.1	-41	59.7	8.0	✓
122	-42°	3623	8 7	48.3	-42	20.3	9.4	✓
123	-42°	3610	7	47.6	-42	34.1	6.6	✓
124	-42°	3601	7	47.3	-42	46.5	6.8	✓
125	-42°	3567	7	44.8	-42	59.9	7.6	✓
126	-43°	3705	7	49.9	-43	40.4	8.3	✓
127	-44°	3847	7	50.7	-44	1.6	7.2	✓
128	-44°	3848	7	50.8	-44	3.0	8.0	✓
129	-44°	3870	7	51.9	-44	17.2	7.9	✓
130	-43°	3766	7	53.3	-43	46.3	5.7	✓
131	-43°	3758	7	52.9	-43	10.1	6.7	✓
132	-43°	3737	7	51.7	-43	30.9	7.4	✓
133	-43°	3776	7	53.6	-43	9.8	9.2	✓
134	-43°	3781	7	53.8	-43	54.6	9.5	✓
135	-41°	3520	7	49.8	-41	22.2	7.2	✓

Cards made out.

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Monday, July 2, 1912.

B8897

Nr.	Int.	Class	Remarks
136	4	K0	
137	4	Ip	
138	3	K2	
139	4	K0	
140	3	A2	
141	4	B8	
142	5	A0	
143	3	K0	
144	6	B5	
145	2	Ap	
146	2	K0	
147	5	B8	
148	Nr.	A	superposed on 149 (combined inten. 5
149	Nr.	A	" " 148. " " "
150	3	K5	
151	5	A	Another star superposed ? Yes
152	4	B9	
153	7	K0	
154	6	B3	
155	3	K0	
156	7	B3	
157	10	B8	
158	10+	A5	
159	3	K2	
160	3	A0	
161	3	K2	

136	−41°	3527	7	50.2	−41	20.2	7.5	✓
137	−41°	3536	7	51.1	−41	30.2	7.7	✓
138	−42°	3664	7	50.4	−42	8.6	7.7	✓
139	−42°	3661	7	50.2	−42	44.9	8.5	✓
140	−42°	3703	7	52.1	−42	53.5	9.2	✓
141	−40°	3673	7	52.7	−41	51.5	8.1	✓
142	−41°	3565	7	52.8	−41	18.6	8.0	✓
143	−41°	3579	7	53.5	−41	11.2	7.5	✓
144	−41°	3583	7	53.7	−41	18.1	8.0	✓
145	−41	3606	7	54.9	−41	14.9	9.0	✓
146	−41°	3616	7	55.2	−41	36.0	8.0	✓
147	−41°	3622	7	55.7	−41	22.0	7.9	✓
148	−41°	3630	7	56.2	−41	54.2	9.0	✓
149	−41°	3631	7	56.2	−41	56.2	8.2	✓
150	−41°	3639	7	56.6	−41	58.2	8.3	✓
151	−41°	3648	7	56.9	−41	24.6	8.5	✓ superposed −41° 3647 Magn. 4.4 A
152	−42°	3801	7	57.9	−42	25.5	8.7	✓
153	−42°	3832	7	59.3	−42	35.6	7.0	✓
154	−42°	3852	8	0.3	−42	24.4	8.0	✓
155	−42°	3871	8	1.2	−42	11.4	8.7	✓
156	−41°	3784	8	3.4	−41	26.5	7.3	✓
157	−42°	3944	8	5.6	−42	16.4	7.0	✓
158	−42°	3978	8	7.2	−42	37.0	5.4	✓
159	−43°	4028	8	7.9	−43	2.0	7.1	✓
160	−42°	4008	8	9.1	−42	19.5	8.6	✓
161	−43°	4000	8	5.7	−43	9.7	7.5	✓
162								

Cards made out.

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Monday, July 8, 1912
B 8897

Nr.	Int.	Class	Remark
162	3	Bg	
163	10+	B.	
164	7	Ko	
165	6	B5	
166	6	Fo	
Time: 11.09 167	4	B	Focus too poor.
168	3	F5	
169	4	Ao	
170	3	Ko	
171	6	Bg	

162	-43°	4001	8	5.7	-43	20.8	8.4	✓	
163	-43°	3998	8	5.5	-43	45.4	5.9	✓	
164	-44°	4051	8	2.7	-44	54.4	5.8	✓	
165	-44°	4032	8	1.7	-44	48.7	7.4	✓	
166	-44°	~~4170~~ 4192	8	10.0	-44	11.9	7.2	✓	
167	-42°	~~4089~~ 4090	8	13.0	-42	8.9	7.1	✓	

Identified by J. C. M. Sept. 18, 1913.
Checked by AMC. Oct. 28, 1913
Cards made out by G.R.B.
Cards checked by AMC.

	168	-43°	3760	8	53.0	-43	9	7.8	
✓	169	~~-50~~ -39	~~3673~~ 3959	7	~~58.7~~ 58.6	~~-23~~ -44	12	~~7.7~~ 7.3	~~17~~ 22 m B42977
—	170	-40	3777	7	58.6	-44	3.1	7.3	→ 338 m B18289
✓	171	-34	4627	8	14.7	-34	12	6.9	57 m B12788

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Monday July 8, 1912

June 2.45 B18435 Shot

No.	Int.	Class	Remarks
1	4	Bq	
2	6	Ao	
3	3	Ao	
4	3	Ko	
5	3	Bs	
6	3	Bo	
7	3	A2n	
8	7	Ao	
9	6	Ao	
10	2n	K2n	
11	2n	Ko	
12	4	Bq	
13	3	Ko	
14	2n	K2n	
15	3	As	
16	3	Fs	
17	4	Ao	
18	5	Ao	
19	3	Bq	
20	3	Bs	
21	3	Fs	
22	2	Ko	
23	6	Bq	
24	3	Ao	
25	8	Ko	
26	2	Fs	
27	2	Fo	

1	-37°	3645	7	26.9	- 37	43.8	8.8
2	-37°	3659	7	27.9	- 37	54.5	8.5
3	-38°	3433	7	27.4	- 38	12.7	9.3
4	-38°	3428	7	26.8	- 38	20.1	8.5
5	-38°	3411	7	25.6	- 38	24.1	8.5
6	-38°	3431	7	27.0	- 38	35.7	9.0
7	-38°	3440	7	28.2	- 38	43.3	9.0
8	-39°	3423	7	31.2	- 39	7.6	8.0
9	-38°	3487	7	30.9	- 38	47.2	8.3
10	-38°	3463	7	30.3	- 38	33.5	8.9
11	-38°	3473	7	30.8	- 38	35.9	8.7
12	-38°	3480	7	31.0	- 38	38.7	9.2
13	-38°	3481	7	31.1	- 38	35.2	8.5
14	-38°	3484	7	31.3	- 38	9.2	8.9
15	-37°	3691	7	30.3	- 37	36.9	9.2
16	-37°	3706	7	31.2	- 37	22.1	9.1
17	-37°	3730	7	32.9	- 37	24.3	9.8
18	-38°	3501	7	32.6	- 38	32.7	8.5
19	-38°	3500	7	32.5	- 38	54.9	9.3
20	-38°	3506	7	32.9	- 38	46.2	9.0
21	-38°	3507	7	32.9	- 38	55.9	8.7
22	-39°	3455	7	33.7	- 39	11.6	8.5
23	-39°	3464	7	34.1	- 39	24.3	8.2
24	-39°	3480	7	35.9	- 39	19.6	8.9
25	-39°	3481	7	36.0	- 39	8.0	7.1
26	-39°	3482	7	36.1	- 39	15.0	9.0
27	-39°	3497	7	37.0	- 39	20.4	8.6

cards made out

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Monday July 8, 1912 (Cont.)
B18 435

No.	Sect.	Class	Remarks
28	2	g_5	
29	3	A_0	
30	8	B_9	
31	9	B_8	
32	3	K_0	
33	3	g_5	
34	2	K_0	
35	2	F_2	
36	3	F_5	
37	4	A_0	
38	4	g_5	
39	5	A_5	
40	3	A_3	
41	3	g_5	
42	2	g_5	Another star superposed.
43	3	A_0	
44	4	A_0	
45	6	A_0	
46	3	F_0	
47	5	A_3	
48	6	A_2	
49	3	A_0	
50	2	A	
51	2	A	Nearly all superposed on 50
52	3	A_2	
53	3	A_2	
54	6	A_0	

28	− 39°	3492	7	36.8 − 39	8.4	8.7	^\
29	− 39°	3494	7	36.8 − 39	1.6	9.0	^\
30	− 38°	3558	7	36.9 − 38	57.0	8.0	^\
31	− 38°	3575	7	38.2 − 38	53.9	7.6	^\
32	− 38°	3532	7	35.1 − 38	34.2	7.8	^\
33	− 38°	3547	7	36.2 − 38	35.7	8.3	^\
34	− 38°	3574	7	38.1 − 38	27.1	8.5	^
35	− 38°	3546	7	36.2 − 38	12.6	9.1	^\
36	− 37°	3785	7	36.5 − 37	39.4	8.6	^\
37	− 37°	3795	7	37.0 − 37	52.9	8.7	^\
38	− 38°	3566	7	37.6 − 38	3.3	8.0	^\
39	− 38°	3569	7	37.8 − 38	14.6	8.5	^\
40	− 37°	3806	7	38.1 − 37	48.9	8.9	^\
41	− 37°	3816	7	39.1 − 37	49.9	8.5	^\
42	− 37°	3827	7	39.6 − 37	50.3	8.7	^\
43	− 37°	3830	7	39.7 − 37	41.0	9.3	
		3825	7	39.4 − 37	40.0	9.3	✓
44	− 37°	3838	7	40.0 − 37	41.5	8.9	^\
45	− 37°	3887	7	41.7 − 37	47.3	8.7	^\
46	− 38°	3629	7	41.2 − 38	19.7	8.9	^\
47	− 38°	3632	7	41.4 − 38	39.5	9.0	^\
48	− 39°	3574	7	41.6 − 39	8.4	8.6	^\
49	− 39°	3584	7	42.2 − 39	18.2	9.0	^\
50	− 38°	3638	7	42.1 − 38	43.9	9.7	^\
51	− 38°	3639	7	42.1 − 38	45.5	9.5	^\
52	− 38°	3641	7	42.4 − 38	9.6	8.8	^\
53	− 38°	3644	7	42.6 − 38	12.8	9.0	^\
54	− 38°	3654	7	43.2 − 38	22.3	8.7	^\

This is a trail of 38°3657

7 39.7 − 37 = 50.3 9.3 nearly superposed

cards made out

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Monday July 8, 1912 (Cont.)
B 18435 Short

No.	Dist.	Class	Remarks
55	2	F0	
56	2	A	
57	6	G5	
58	3	F0	
59	2	F0	
60	2	A0	
61	2	F5	
62	3	G5	
63	4	A5	
64	5	F5	
65	4	B8	
66	5	F5	
67	6	F5	
68	4	A0	
69	5	A0	
70	4	F0	
71	3	F	E
72	4	A0	
73	3	K5	
74	4	B8	
75	2	A3	
76	2	G0	
77	7	Bq	Hδ of a star slightly south preceding
78	4	K2	
79	4	K0	
80	6	B5	

55	− 38°	3674	7	44.3	− 38	31.0	8.9
56	− 38°	3686	7	44.7	− 38	28.3	9.3
57	− 38°	3694	7	45.1	− 38	41.1	8.0
58	− 38°	3690	7	45.0	− 38	8.4	9.1
59	− 37°	3973	7	46.8	− 37	13.6	9.0
60	− 37°	3950	7	45.5	− 37	15.2	9.0
61	− 37°	3993	7	47.7	− 37	28.6	9.2
62	− 37°	4003	7	48.2	− 37	39.2	8.5
63	− 37°	4006	7	48.4	− 37	26.3	8.7
64	− 38°	3744	7	47.5	− 38	35.1	8.2
65	− 39°	3689	7	46.4	− 39	24.6	8.8
66	− 39°	3690 ~~3677~~	7	46.4 ~~45.9~~	− 39	49.0 ~~57.4~~	8.7 ~~8.9~~
67	− 39°	3706 ~~3690~~	7	47.3 ~~46.4~~	− 39	44.4 ~~49.0~~	8.3 ~~8.4~~
68	− 39°	3703	7	47.1	− 39	59.4	9.1
69	− 40°	3528	7	45.6	− 40	16.0	8.9
70	− 40°	3548	7	46.6	− 40	23.8	8.6
71	− 40°	3286	7	34.7	− 40	30.9	8.3
72	− 39°	3475	7	35.5	− 39	59.0	8.5
73	− 39°	3498	7	37.1	− 39	59.2	7.5
74	− 40°	3348	7	38.4	− 40	20.2	8.7
75	− 39°	3522	7	39.0	− 39	51.3	8.5
76	− 39°	3519	7	38.8	− 39	39.8	9.0
77	− 39°	3531	7	39.5	− 39	34.7	8.3
78	− 39°	3567	7	40.8	− 39	33.1	8.0
79	− 40°	3399 ~~3360~~	7	40.7 ~~39.6~~	− 40	45 ~~54.6~~	8.0 ~~8.4~~
80	− 40°	3410 ~~3399~~	7	40.8	− 40	9.1 ~~11.5~~	8.8

Cards made out

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Monday July 8, 1912 (Cont.)
B 784 35 Shut.

No.	Int.	Class	Remarks
81	2	K	
82	5	K0	
83	4	A3	
84	7	Bg	
85	3	K0	
86	1	K	
87	2	G5	
88	4	A2	
89	4	A0	
90	3	Bg	
91	5	F5	
92	3	A0	
93	5	K2	
94	6	F0	
95	5	B8	Focus poor.
96	5	B8	
97	5	B8	
98	4	Bg	
99	2	K0	
June 3.05 100	4	G5	

Cont on page 214

81	−40°	3419	7	41.0	− 40	21.2	8.6
82	−40°	3429 3422	7	41.2 41.0	− 40	26.2 34.0	8.0 8.9
83	−40°	3427 3429	7	41.0 41.2	− 40	34.0 26.2	8.9 8.0
84	−39°	3621	7	43.6	− 39	34.0	9.0
85	−39°	3633	7	44.1	− 39	40.7	8.3
86	−39°	3622	7	43.7	− 39	14.9	8.8
87	−39°	3719	7	48.2	− 39	19.1	9.3
88	−38°	3800	7	49.6	− 38	58.8	8.6
89	−38°	3809	7	50.0	− 38	36.8	8.8
90	−38°	3777	7	48.5	− 38	28.8	8.9
91	−39°	3757	7	50.3	− 39	19.6	8.5
92	−39°	3743	7	49.6	− 39	40.2	9.1
93	−39°	3756	7	50.2	− 39	48.4	7.7
94	−39°	3764	7	50.5	− 39	40.9	8.2
95	−39°	3775	7	50.8	− 39	24.9	8.5
96	−38°	3834	7	51.5	− 38	47.2	8.7
97	−38°	3850	7	52.5	− 38	57.9	8.7
98	−38°	3853	7	52.6	− 38	53.5	8.5
99	−38°	3860	7	52.7	− 38	42.2	8.5
100	−38°	3871	7	53.2	− 38	35.2	8.0

mean 9.7

−39° 3616 superposed

Identified by Ames. Aug. 30 (24) 1912
Checked Oct. 14. 1912 H.D.W.
cards made out by M.C.W.

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Tuesday, July 9, 1912

Time: 10.36

I 37848

No.	Int.	Class	Remark
1	7	A	E.
2	3	A	E.
3	2	A	E.
4	4	B8	
5	5	B8	
6	5	Bg	
7	3	Ko	
8	10	F5	
9	3	Ko	
10	8	Ao	Line 4128-31 strongest member of Eridanus.
11	3	Ko	
12	6	B5	
13	2	A	
14	3	Bg	
15	9	Ao	E.
16	10	Bg	Burned out.
17	3	A2	
18	2	F5	
19	5	Ao	
20	3	Ao	
21	10	F5	
22	2	Ko	
23	4	A5	Kline hazy - look up.
24	3	F	
25	4	Bg	
26	2	Go	
27	4	Ko	

1	+21°	34'94	18	30.5	+21	59.1	6.9	✓
2	+21°	34'95	18	30.6	+21	13.0	8.5	✓
3	+21°	35'00	18	31.5	+21	23.6	8.5	✓
4	+20°	38'79	18	33.0	+20	22.6	7.7	✓
5	+20°	38'80	18	33.1	+20	48.5	7.5	✓
6	+~~23~~19°	37~~62~~71	18	~~39.0~~6.9	+~~23~~19	18.8	~~8.2~~7.9	✓
7	+~~23~~19°	37~~42~~79	18	39.4	+~~23~~19	~~45.4~~50.4	~~8.6~~7.6	✓
8	+20°	39'26	18	39.4	+20	24.8	4.1	✓
9	+21°	35'31	18	36.9	+21	24.7	7.7	✓
10	+21°	35'50	18	39.4	+21	50.2	6.9	✓
11	+22°	34'72	18	38.8	+22	24.5	7.5	✓
12	+21°	35'60	18	42.7	+21	0.4	7.1	✓
13	+~~23~~19°	37'90	18	41.8	+19	57.6	8.1	✓
14	+19°	37'96	18	42.4	+19	38.7	8.0	✓
15	+19°	37'98	18	42.6	+19	10.5	6.1	✓
16	+21°	35'82	18	46.1	+21	15.5	6.5	✓
17	+21°	35'87	18	46.7	+21	16.9	7.8	✓
18	+20°	39'82	18	48.2	+20	10.8	6.8	✓
19	+20°	39'85	18	48.3	+20	26.3	6.5	✓
20	+19°	38~~2~~3'26	18	48.4	+19	39.7	7.0	✓
21	+22°	35'24	18	48.6	+22	27.8	5.0	✓
22	+23°	35'60	18	49.8	+23	22.7	8.3	✓
23	+22°	35'32	18	50.2	+22	52.9	7.9	✓
24	+22°	35'95	18	50.9	+22	37.1	7.7	✓
25	+24°	35'95	18	52.2	+24	30.6	7.5	✓
26	+~~23~~24°	35~~79~~84	18	~~53.5~~52.2	+~~24~~23	~~34.3~~9.0	~~9.0~~8.5	✓
27	+~~24~~23°	35~~21~~13	18	~~53.6~~52.4	+~~23~~24	~~28.6~~36.5	~~9.2~~7.5	✓

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Tuesday, July 9, 1912
I 37 548

No.	Int.	Class	Remark
28	5	Ma	
29	2	A	
30	2	A	
31	3	B8	
32	2	A	
33	9	A3	
34	6	B3	
35	6	B3	
36	7	B3	
37	8	A0	
38	3	A	8.
39	3	K0	
40	2	K	8.
41	4	K2	
42	4	B8	
43	6	F2	
44	4	B9	
45	2	G5	
46	2	K0	
47	3	F2	
48	6	B3	
49	1	G	
50	2	G	
51	2	B9	
53	2	K0	
53	5	F0	
54	4	F0	

28	+22°	3549	18	53.8	+22	36.9	6.5	V
29	+23°	3525	18	54.7	+23	5.6	8.0	V
30	+23°	3524	18	54.5	+23	34.8	8.0	V
31	+22°	3560	18	55.6	+22	40.9	8.5	√
32	+22°	3563	18	55.9	+22	52.8	8.6	√
33	+22°	3561	18	55.7	+22	3.5	6.5	V
34	+21°	3634	18	55.1	+21	18.3	6.7	√
35	+20°	4022	18	55.1	+20	37.8	6.0	√
36	+20°	4067	18	52.4	+20	25.5	6.5	√
37	+19°	3958	18	52.5	+19	36.2	5.8	√
38	+19°	3865	18	53.3	+19	17.4	7.7	√
39	+19°	3879	18	54.8	+19	6.5	6.5	√
40	+~~18~~ 19	~~3954~~ 3922	18	52.9	+19	54.8	8.1	√ +18° 3920 Superposed
41	+19°	3888	18	56.6	+19	27.4	6.0	√
42	+19°	3880	18	54.9	+19	57.2	7.0	√
43	+21°	3648	18	57.5	+21	3.4	6.7	√
44	+23°	3541	18	57.0	+23	54.5	8.0	√
45	+23°	3542	18	57.3	+23	24.9	8.1	√
46	+23°	3543	18	57.6	+23	8.4	8.0	√
47	+23°	3547	18	58.5	+23	31.1	8.3	√
48	+23°	3549	18	58.6	+23	6.8	6.9	√
49	+22°	3575	18	58.3	+22	27.4	8.1	√
50	+21°	3654	18	58.4	+21	52.8	7.7	√
51	+22°	3586	19	0.3	+22	30.4	8.5	√
52	+22°	3590	19	0.4	+22	39.9	7.8	√
53	+22°	3594	19	1.0	+22	21.9	7.0	√
54	+21°	3666	19	0.7	+21	57.5	7.2	√

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Tuesday, July 9, 1912.
I 37 P 48

Nr.	Int.	Class	Remark
55	7	F2	
56	10	A5	
57	3	K0	
58	2	A5	
59	2	A2	
60	7	B5	
61	2	K2	
62	3	F0	
63	4	F0	
64	7	A	E. Maybe B8.
65	3	A	E.
66	9	K0	
67	4	A0	
68	4	G5	
69	4	F5	
70	2	F5	
71	2	K0	
72	4	A5	
73	8	B9	
74	1	M	
75	2	A	
76	2	K0	
77	2	G5	
78	3	K0	
79	8	F2	
80	1	K0	
81	2	K0	

55	+21°	36.72	19.	1.8	+2.1	28.1	6.2	✓
56	+24°	36.40	19.	0.6	+24	1.9	5.4	✓
57	+23°	35.62	19.	0.8	+23	36.0	7.7	✓
58	+23°	35.64	19.	1.4	+23	41.4	8.7	✓
59	+24°	36.43	19.	1.3	+24	18.0	8.6	✓
60	+24°	36.50	19.	2.0	+24	29.7	6.5	✓
61	+23°	35.72	19.	2.6	+23	56.8	7.0	✓
62	+23°	35.80	19.	4.0	+23	41.7	8.5	✓
63	+23°	35.84	19.	4.6	+23	36.7	7.8	✓
64	+23°	35.86	19.	5.1	+23	14.8	6.8	✓
65	+22°	36.17	19.	5.3	+22	8.6	7.5	✓
66	+23°	33.85	18.	29.5	+23	29.3	6.0	✓
67	+22°	34.18	18.	29.8	+22	38.3	7.5	✓
68	+24°	34.69	18.	31.2	+24	18.9	7.5	✓
69	+25°	35.90	18.	32.5	+25	8.4	7.5	✓
70	+24°	34.80	18.	32.7	+24	30.9	8.0	✓
71	+24°	34.91	18.	34.1	+24	34.1	8.0	✓
72	+24°	34.93	18.	35.0	+24	41.1	7.9	✓
73	+24°	34.99 (3.24)	18.	34.5	+24.6	0.1 ~~53.2~~	6.9 ~~8.2~~	✓
74	+24°	34.99	18.	36.1	+24	53.2	8.2	✓
75	+24°	35.04	18.	37.2	+24	4.8	8.6	✓
76	+23°	34.26	18.	37.3	+23	18.8	8.2	✓
77	+22°	34.63	18.	37.3	+22	57.5	7.9	✓
78	+23°	34.38	18.	38.4	+23	21.6	7.8	✓
79	+23°	34.39	18.	38.6	+23	26.5	6.5	✓
80	+23°	34.88	18.	40.1	+23	8.6	8.5	✓
81	+23°	34.50	18.	40.7	+23	25.7	8.4	✓

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Tuesday. July 9. 1912.
H 37 848

No.	Int.	Class	Remark
82	3	F0	
83	1	G5	
84	5	B9	
85	8	F5	
86	8	B3	
87	2	B8	
88	4	K5	
89	4	A3	Region of K line hazy.
90	2	K0	
91	3	B8	
92	3	B9	
93	1	K0	
94	4	G5	
95	3	A	
96	15	A0	
97	5	A0	
98	6	A0	
99	4	B9	
100	9	K0	
101	8	B8	C.
102	2	A	
103	2	A	
104	3	A5	
105	2	A	Partly superposed on 104.
106	10	B3	
107	2	K5	
108	3	G5	

82	+24°	35.37	18	41.2	+24	13.7	8.3	V
83	+22°	34.87	18	41.3	+22	55.7	8.5	V
84	+23°	34.59	18	42.2	+23	33.0	7.8	V
85	+23°	34.61	18	42.2	+23	21.4	6.2	V
86	+23°	34.65	18	42.9	+23	53.7	6.9	V
87	+23°	34.69	18	43.5	+23	43.7	8.5	V
88	+23°	34.77	18	44.4	+23	56.2	7.1	V
89	+22°	34.94	18	43.5	+22	47.5	8.2	V
90	+23°	34.80	18	44.8	+23	15.3	8.0	V
91	+24°	35.02	18	44.9	+24	33.0	8.4	V
92	+24°	35.55	18	46.1	+24	20.5	8.7	V
93	+24°	35.58	18	46.5	+24	54.3	8.4	V
94	+24.6	35.65	18	47.4	+24.5	11.9	7.7	V
95	+24.6	35.68	18	47.4	+24	5.9	8.3	V
96	+24.6	36.63	18	49.8	+25	49.8 30.4	7.5	V
97	+25°	36.78	18	51.2	+25	48.7	8.2	V
98	+25°	36.72	18	51.2	+25	54.4	7.5	V
99	+25°	36.85	18	52.6	+25	51.9	8.2	V
100	+26°	34.18	18	53.8	+26	1.6	5.8	V
101	+26°	34.21	18	54.1	+26	46.9	7.5	V
102	+26°	34.24	18	55.1	+26	53.7	8.7	V
103	+27°	32.03	18	55.1	+27	23.3	8.0	V
104	+26°	34.25	18	55.1	+26	25.2	8.2	V
105	+26°	34.26	18	55.1	+26	15.7	8.5	V
106	+26°	34.29	18	55.4	+26	5.2	6.2	V
107	+25°	36.83	18	52.6	+25	3.2	7.9	V
108	+25°	36.82	18	52.3	+25	9.8	9.0	V

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Tuesday, July 9, 1912.
Σ37548

No.	Int.	Class	Remark
109	2	A	
110	2	I_{a5}	
111	4	K_2	
112	3	A_{a0}	
113	6	B8	
114	4	A_{a0}	
115	3	A_{a0}	
116	4	A_{a0}	
117	3	K_0	
118	5	B_9	E.
119	3	A	E.
120	2	K_0	
121	4	K_0	
122	4	G	E.
123	6	A	E.
124	2	A	E.
125	4	A	E.
126	5	A	E.
127	6	F_0	E.
128	4	B_9	
129	9	K_0	
130	3	A	
131	2	A_{a2}	
132	2	K	
133	2	A_{a2}	
134	2	I_{a5}	
135	4	A_{a0}	

109	+25°	3687	18	52.8	+25	16.6	8.5	✓
110	+24°	3599 / 3600	18	53.5	+24	24.3 / 23.5	9.0 / 9.3	✓
111	+24°	3608	18	56.6	+24	49.4	6.7	✓
112	+25°	3708	18	57.2	+25	4.8	8.3	✓
113	+25°	3710	18	57.4	+25	36.8	7.3	✓
114	+25°	3711	18	57.5	+25	30.4	8.0	✓
115	+25°	3715	18	58.8	+25	33.6	8.2	✓
116	+25°	3717	18	59.1	+25	27.3	7.6	✓
117	+25°	3719	18	59.4	+25	42.3	7.5	✓
118	+27°	3228	18	68.5	+27	6.3	7.4	✓
119	+26°	3458	18.9	2.4	+26	51.9	8.0	✓
120	+26°	3452	19	1.1	+26	13.9	8.3	✓
121	+25°	3733	18.9	2.1	+25	47.0	7.0	✓
122	+25°	3736	19	2.3	+25	8.9	7.5	✓
123	+28°	3037	18	32.3	+28	30.3	7.0	✓
124	+27°	3081	18	35.6	+27	47.4	8.0	✓
125	+27°	3085	18	36.7	+27	59.4	7.5	✓
126	+28°	3063	18	37.1	+28	9.9	7.3	✓
127	+27°	3095	18	38.6	+27	56.9	7.3	✓
128	+26°	3844	18	39.0	+26	3.2	7.8	✓
129	+26°	3349	18	40.2	+26	30.7	4.9	✓
130	+25°	3623	18	40.7	+25	23.2	8.0	✓
131	+25°	3608	18	37.2	+25	18.8	8.5	✓
132	+25°	3606	18	36.9	+25	38.0	8.2	✓
133	+24°	3526	18	39.9	+24	40.9	8.5	✓
134	+24°	3538	18	41.4	+24	29.3	8.2	✓
135	+24°	3545	18	43.3	+24	52.9	6.0	✓

Cluster variable

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Tuesday, July 9, 1912
I 37848

No.	Dct.	Class	Remark
136	1	K0	
137	6	A2	
138	5	A5	
139	4	A0	
140	4	B9	
141	6	F2	
142	8	K2	
143	7	K0	
144	8	K0	
145	8	K0	
146	4	K0	
147	3	K0	
148	3	A	E.
149	5	B5	E.
150	3	A	E.
151	9	F	E.
152	7	F5	E.

Since 11.18 153

Plate poor for faint stars.

153	2	F5	
154	2	G0	
155	3	B3	

136	+25°	3630	18	42.4	+25	53.2	8.3	✓
137	+26°	3368	18	44.1	+26	16.1	6.7	✓
138	+27°	3143	18	46.3	+27	5.2	7.6	✓
139	+26°	3378	18	46.6	+26	34.1	8.0	✓
140	+26°	3380	18	46.8	+26	30.9	8.1	✓
141	+25°	3650	18	46.4	+25	50.9	7.7	✓
142	+27°	3150	18	48.8	+27	43.6	4.2	✓
143	+28°	3104	18	48.9	+28	36.5	6.5	✓
144	+28°	3099	18	44.9	+28	21.6	8.0	✓
145	+27°	3122	18	49.5	+27	33.4	7.5	✓
146	+28°	3125	18	50.9	+28	0.9	7.0	✓
147	+27°	3183 (3224)	18 +27	2 58.4	+27	58.4	7.6	✓
148	+28°	3146	18	54.5	+28	51.5	8.1	✓
149	+28°	3153	18	55.6	+28	12.5	7.0	✓
150	+27°	3235	18	59.2	+27	58.4	7.6	✓
151	+28°	3193	19	0.9	+28	23.8	5.7	✓
152	+26°	3474	19	5.6	+26	30.0	7.4	✓

Identified by M.C.W. July 12, 1912.
Checked by A.M.C. July 13, 1912

Cards checked by M.A.H. July 19, 1912.

✓ 153	+27°	3241	18	58.8	+27	4	8.0	31 m l_3 85701
154	+26°	3379	18	46.6	+26	21	7.9	✓
155	+19°	3848	18	50.0	+19	40	7.5	

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Wednesday, July 10, 1912

Time: 10.58

I 39 844

No.	Int.	Class	Remark
1	6	A2	E.
2	3	A	E.
3	4	K0	E.
4	4	K5	E.
5	5	A0	
6	1	A	
7	4	A3	
8	7	F5	
9	5	K2	
10	9	K0	
11	3	A	
12	3	A	
13	3	K	
14	7	B9	
15	6	A2	
16	4	K5	
17	9	B9	
18	2	B0	
19	5	K0	
20	2	K	
21	3	K5	
22	2	F5	
23	2	K0	
24	2	K	
25	4	A0	
26	3	A3	
27	4	A0	

Cards made up

1	+41°	2882	17	36.7	+41	43.8	6.5	✓
2	+41°	2887	17	37.3	+41	5.5	7.5	✓
3	+39°	3219	17	41.2	+39	22.8	6.0	✓
4	+38°	2997	17	41.1	+38	56.6	6.0	✓
5	+40°	3214	17	43.3	+40	1.4	7.0	✓
6	+40°	3211	17	42.6	+40	32.4	8.3	✓
7	+40°	3215	17	43.5	+40	37.3	7.3	✓
8	+40°	3225	17	46.5	+40	6.1	6.7	✓
9	+40°	3228	17	47.4	+40	0.6	6.2	✓
10	+40°	3233	17	48.6	+40	2.5	5.0	✓
11	+40°	3239	17	49.5	+40	29.1	8.4	✓
12	+40°	3244	17	50.3	+40	27.0	8.3	✓
13	+41°	2924	17	58.6	+41	29.9	8.4	✓
14	+42°	2940	17	47.8	+42	54.1	7.0	✓
15	+42°	2941	17	48.5	+42	14.3	7.6	✓
16	+42°	2951	17	49.6	+42	41.8	7.5	✓
17	+43°	2851	17	53.6	+43	26.8	7.2	✓
18	+43°	2860	17	54.8	+43	8.7	8.6	✓
19	+43°	2861	17	55.3	+43	14.2	6.5	✓
20	+42°	2972	17	54.2	+42	344	8.3	✓
21	+42°	2966	17	53.5	+42	1.5	7.7	✓
22	+41°	2948	17	55.9	+41	4.52 2.9	7.6 8.1	✓
23	+41°	2955	17	56.2	+41	28.5	7.8	✓
24	+41°	2952	17	56.9	+41	2.9	8.1	✓
25	+40°	3262	17	56.8	+40	19.8	7.9	✓
26	+40°	3263	17	57.0	+40	10.6	7.5	✓
27	+39°	3310	17	59.4	+39	28.7	7.0	✓

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Wednesday, July 10, 1918

I 37844.

No.	Int.	Class	Remarks
28	8	F5	
29	5	A0	
30	2	A	
31	4	A2	
32	4	K0	
33	3	A2	
34	2	A	
35	3	A2	
36	6	A0	
37	9	A	B.
38	5	K2	
39	2	F5	
40	4	F8	
41	10	B5	
42	1	K	
43	3	A0	
44	3	G5	
45	8	K0	
46	5	A0	
47	2	G	B.
48	2	G	
49	2	F5	
50	2	G	
51	2	G5	
52	4	K0	
53	3	F5	
54	1	K	

28	+40°	32.76	17.8	0.0	+40	4.8	6.5	✓
29	+40°	32.86	17.8	1.8	+40	22.2	7.0	✓
30	+40°	32.90	17.8	2.4	+40	9.5	8.5	✓
31	+39°	33.27	18.	3.3	+39	53.8	6.8	✓
32	+40°	32.95	18.	3.5	+40	53.5	7.1	✓
33	+39°	33.36	18.	5.1	+39	51.3	7.4	✓
34	+39°	33.39	18.	5.5	+39	3.1	7.9	✓
35	+38°	31.06	18.	6.1	+38	56.2	8.0	✓
36	+39°	33.43	18.	6.4	+39	4.3	6.9	✓
37	+38°	31.13	18.	8.2	+38	45.9	6.0	✓
38	+41°	30.11	18.	8.1	+41	7.3	5.8	✓
39	+41°	30.10	18.	8.1	+41	20.9	7.8	✓
40	+41°	30.13	18.	8.5	+41	27.8	7.0	✓
41	+42°	30.35	18.	11.1	+42	7.8	5.5	✓
42	+42°	30.44	18.	12.9	+42	45.6	8.5	✓
43	+42°	30.50	18.	14.1	+42	31.0	8.3	✓
44	+41°	30.28	18.	16.3	+41	56.0	8.2	✓
45	+40°	33.32	18.	12.5	+40	53.0	6.0	✓
46	+40°	33.34	18.	13.1	+40	15.7	7.2	✓
47	+40°	33.40	18.	14.4	+40	51.1	7.5	✓
48	+42°	29.77	17.	56.4	+42	2.4	8.0	✓
49	+42°	29.79	17.	56.8	+42	7.9	8.3	✓
50	+42°	29.81	17.	57.2	+42	21.9	8.0	✓
51	+42°	29.82	17.	57.3	+42	41.7	8.0	✓
52	+43°	28.70	17.	58.1	+43	15.9	7.0	✓
53	+43°	28.64	17.	56.4	+43	35.4	8.5	✓
54	+43°	28.69	17.	57.9	+43	58.2	8.4	✓

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Wednesday, July 10, 1912.
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No.	Int.	Class	Remark
55	7	Fz	
56	5	K0	
57	8	A0	
58	5	F0	
59	9	F0	
60	2	G5	
61	2	K0	
62	2	K0	
63	3	K5	
64	4	B9	
65	18	G5	Trailed out
66	7	F5	
67	4	K0	
68	2	G0	
69	3	G0	
70	4	Wa	
71	6	K0	
72	2	G5	
73	3	F0	
74	4	K0	
75	8	G0	
76	3	G5	
77	4	G5	
78	3	F0	
79	3	K0	
80	1	K	
81	4	A0	

55	+44°	28'12	17	58'.3	+44	15'.2	6'.5	✓
56	+42°	29'96	18	0'.1	+42	51'.1	6'.8	✓
57	+42°	29'98	18	0'.4	+42	56'.8	7'.4	✓
58	+42°	29'95	17	59'.8	+42	5'.6	7'.7	✓
59	+41°	29'68	18	0'.5	+41	56'.9	6'.3	✓
60	+42°	30'00	18	1'.0	+42	28'.2	8'.3	✓
61	+41°	29'75	18	1'.5	+41	23'.3	8'.3	✓
62	+41°	29'84	18	2'.6	+41	32'.4	8'.3	✓
63	+41°	29'88	18	3'.3	+41	41'.7	7'.0	✓
64	+42°	30'10	18	4'.2	+42	36'.9	8'.2	✓
65	+43°	28'92	18	3'.2	+43	27'.1	5'.2	✓
66	+44°	28'29	18	4'.1	+44	5'.6	6'.9	✓
67	+43°	28'97	18	4'.6	+43	31'.4	8'.0	✓
68	+43°	28'86	18	1'.7	+43	9'.7	8'.6	✓
69	+42°	30'03	18	1'.9	+42	56'.6	8'.6	✓
70	+43°	28'90	18	2'.5	+43	26'.4	8'.0	✓
71	+44°	28'39	18	6'.6	+44	34'.2	7'.0	✓
72	+45°	26'71	18	6'.8	+45	16'.2	8'.2	✓
73	+45°	26'78	18	9'.3	+45	31'.6	8'.0	✓
74	+45°	26'79	18	9'.5	+45	38'.0	7'.5	✓
75	+45°	26'84	18	11'.4	+45	8'.7	6'.2	✓
76	+44°	28'57	18	10'.4	+44	36'.4	8'.0	✓
77	+43°	29'18	18	9'.1	+43	17'.6	7'.4	✓
78	+42°	30'30	18	9'.3	+42	49'.3	8'.3	✓
79	+43°	29'21	18	9'.7	+43	14'.6	8'.0	✓
80	+44°	28'63	18	12'.0	+44	19'.6	8'.8	✓
81	+45°	26'90	18	14'.0	+45	5'.4	7'.2	✓

Curve made on

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Wednesday, July 10, 1912.

I 37844

No.	Int.	Class	Remark
82	5	Gs	
83	5	Fo	
84	3	Ao	
85	2	G	E.
86	2	K	E.
87	3	Gs	
88	5	Ma	E.
89	2	K5	
90	2	K0	
91	10	A2	
92	2	K	E.
93	2	F2	
94	2	F5	
95	7	A2	
96	5	Ao	E.
97	8	A2	
98	6	K0	
99	3	F0	
100	5	K2	
101	8	Bg	
102	2	G	
103	2	G	
104	4	F2	
105	2	K0	
106	2	K0	
107	3	K0	
108	3	K0	

82	+46°	24.59	18	14.3	+46	21.5	6.5	✓
83	46°	27.74	18	18.9	+46	17.1	7.0	✓
84	+45°	27.04	18	18.9	+45	8.3	7.8	✓
85	+44°	28.82	18	17.5	+44	35.4	8.0	✓
86	+44°	28.84	18	18.3	+44	10.6	8.5	✓ +44° 2885 Silverpoint
87	+43°	29.62	18	18.6	+43	5.8	7.5	✓
88	+43°	29.70	18	19.7	+43	50.3	6.7	✓
89	+43°	29.67	18	18.6	+43	53.6 51.8	7.5	✓
90	+42°	30.67	18	18.3	+42	56.4	7.7	✓
91	+42°	30.74	18	19.8	+42	24.4	6.7	✓
92	+42°	30.65	18	17.5	+42	12.3	7.3	✓
93	+43°	29.48	18	15.2	+43	48.1	8.3	✓
94	+44°	28.78	18	15.5	+44	49.4	8.0	✓
95	+43°	27.78	17	33.7	+43	42.3	7.0	✓
96	+42°	28.88	17	33.3	+42	55.3	7.3	✓
97	+44°	27.45	17	35.2	+44	5.9	6.8	✓
98	+43°	27.81	17	36.3	+43	33.2	6.5	✓
99	+43°	27.94	17	38.4	+43	14.4	8.0	✓
100	+44°	27.57	17	38.8	+44	8.8	6.5	✓
101	+45°	25.88	17	39.9	+45	5.8	7.2	✓
102	+44°	27.66	17	39.9	+44	7.1	8.5	✓
103	+43°	27.98	17	39.6	+43	11.6	8.6	✓
104	+43°	28.10	17	42.9	+43	21.7	8.0	✓
105	+42°	29.09	17	40.7	+42	38.9	8.4	✓
106	+42°	29.16	17	42.6	+42	18.1	8.1	✓
107	+42°	29.19	17	43.5	+42	36.8	7.3	✓
108	+42°	29.23	17	44.5	+42	26.4	8.0	✓

Cards made on

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Wednesday, July
1937 44

No.	Int.	Class	Remark
109	5	Ƒ2	
110	4	ℊ5	
111	3	ℊ0	
112	5	A2	
113	5	Ƒ0	
114	2	ℊ5*	
115	2	Ƒ?	Look up.
116	2	A	
117	3	Ƒ5	
118	6	A0	
119	5	ℊ5	
120	9	B9	
121	6	Mb	
122	8	Ƒ5	
123	2	A0	
124	8	B9	
125	7	K2	
126	7.5	B9	
127	3	ℊ0	
128	2	ℊ5	
129	2	K0	
130	2	ℊ	
131	3	Ƒ8	
132	2	ℊ	
133	3	ℊ5	
134	3	A0	
135	5	Ƒ2	

109	+42°	29.29	17	45.5	+42	0.3	7.3	✓
110	+44°	27.72	17	43.8	+44	8.7	7.2	✓
111	+44°	27.73	17	44.4	+44	53.5	8.0	✓
112	+44°	27.77	17	46.2	+44	32.1	7.5	✓
113	+44°	27.80	17	46.9	+44	56.9	7.2	✓
114	+44°	27.85	17	48.0	+44	42.0	8.4	✓
115	+43°	28.30	17	47.2	+43	44.1	8.8	✓
116	+44°	27.89	17	49.7	+44	11.9	8.3	✓
117	+44°	27.91	17	51.0	+44	1.8	8.0	✓
118	+45°	26.21	17	50.6	+45	14.4	7.7	✓
119	+45°	26.20	17	50.5	+45	34.3	8.0	✓
120	+45°	26.26	17	52.5	+45	0.6	6.7	✓
121	+45°	26.27	17	52.6	+45	22.9	6.3	✓
122	+45°	26.28	17	53.0	+45	53.0	6.4	✓
123	+45°	26.32	17	54.2	+45	44.8	8.5	✓
124	+45°	26.35	17	54.7	+45	28.1	6.4	✓
125	+45°	26.38	17	55.8	+45	36.9	6.0	✓
126	+45°	26.43	17	57.0	+45	20.9	7.0	✓
127	+44°	28.00	17	54.4	+44	57.0	8.0	✓
128	+44°	28.02	17	55.2	+44	44.8	8.0	✓
129	+45°	26.46	17	58.5	+45	6.1	8.3	✓
130	+45°	26.48	17	58.8	+45	28.4	8.9	✓
131	+46°	24.12	17	58.9	+46	13.6	7.7	✓
132	+45°	26.49	17	59.3	+45	57.2	8.4	✓
133	+46°	24.16	18	0.0	+46	25.6	7.3	✓
134	+45°	26.52	17.8	1.1	+45	41.2	7.5	✓
135	+46°	24.26	18	2.6	+46	15.5	7.2	✓

Variable nebulae

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Wednesday, July 10, 1912.
I 37844

No.	Int.	Class	Remark
136	43	F2	
137	4	A3	
138	5	K0	
139	4	K0	
140	9	A	E.
141	4	A2	E.
142	4	K0	
143	2	K0	
144	4	F5	
145	2	K	E.
146	3	K0	E.
147	3	A	E.
148	2	K0	
149	4	G0	
150	10+	B3	Burned out.
151	3	G	E. Poor focus.
152	2	G	E. " "
153	9	A0	
154	4	K0	
155	3	F2	
156	2	A2	
157	6	K0	
158	7	B8	E.
159	2	K0	
Time: 11.30, 60	4	K0	E.
161			
162			

ends 137.2

136	+46°	24'28"	17h	2.9	+46	45.9	7.8	✓
137	+46°	24 00	17	55.8	+46	49.8	7.8	✓
138	+47°	25 72	17	57.2	+47	23.0	6.5	✓
139	+47°	25 76	17	58.1	+47	52.3	7.2	✓
140	+48°	26 27	17	59.4	+48	29.0	6.2	✓
141	+48°	26 35	18	1.1	+48	8.3	7.7	✓
142	+48°	26 52	18	7.8	+48	15.8	6.5	✓
143	+48°	26 55	18	8.4	+48	5.2	7.5	✓
144	+47°	26 04	18	11.7	+47	31.0	7.2	✓
145	+48°	26 68	18	12.6	+48	19.7	6.9	✓
146	+48°	26 69	18	12.8	+48	4.7	6.7	✓
147	+47°	26 08	18	12.8	+47	51.9	8.0	✓
148	+47°	25 89	18	4.9	+47	6.0	7.5	✓
149	+45°	25 73	17	33.9	+45	39.7	7.3	✓
150	+46°	23 49	17	36.4	+46	4.8	4.0	✓
151	+47°	25 12	17	34.4	+47	13.7	7.4	✓
152	+47°	25 15	17	36.3	+47	19.1	7.8	✓
153	+47°	25 37	17	43.2	+47	40.9	6.2	✓
154	+47°	25 41	17	44.1	+47	38.4	6.8	✓
155	+45°	25 95	17	42.6	+45	56.1	7.8	✓
156	+47°	25 47	17	46.9	+47	17.6	8.0	✓
157	+46°	23 79	17	48.0	+46	41.6	6.4	✓
158	+48°	25 81	17	46.3	+48	27.0	6.5	✓
159	+47°	25 63	17	53.2	+47	13.6	7.5	✓
160	+48°	26 21	17	57.3	+48	29.0	6.8	✓

Identified by M.C.W. July 27. 1912.
Checked by AMC July 31, 1912
Errors checked by M.L.H.

Comae made on

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Wednesday July 10, 1912.

Time: 11:35

B2067 (abnt) cont. from Bk 46. 218

No.	Int.	Class	Remark
214	5	B9	
215	4	B8	
216	4	A0	
217	2	A0	
218	3	B9	
219	2	F0	
220	2	A	
221	4	F5	
222	3	A2	
223	4	A0	
224	3	K0	
225	2	K0	
226	3	K0	
227	3	K5	
228	4	K2	
229	6	A0	
230	3	K0	
231	3	K5	
232	6	A3	
233	4	A0	
234	3	K5	
235	2	F2	
236	3	F5	
237	5	G0	
238	2	G0	Nearly all superposed on 237.
239	6	K0	
240	4	K0	

214	-41°	3180	7	31.3	-41	41.1	8.9	1 ✓
215	-41°	3181	7	31.5	-41	11.6	8.7	1 ✓
216	-40°	3254	7	31.1	-40	33.9	8.8	1 ✓
217	-40°	3244	7	30.0	-40	38.3	9.4	1 ✓
218	-40°	3238	7	29.7	-40	39.3	9.1	1 ✓
219	-40°	3236	7	29.4	-40	38.4	9.5	1 ✓
220	-40°	3229	7	29.2	-40	26.9	9.2	1 ✓
221	-40°	3227	7	29.0	-40	16.0	8.5	1 ✓
222	-40°	3227	7	~~28.6~~ 29.0	-40	~~46.0~~ 8.0	~~8.5~~ 9.7	1 ✓
223	-40°	3246	7	28.3	-40	25.3	9.1	1 ✓
224	-40°	3211	7	27.9	-40	34.6	8.9	1 ✓
225	-40°	3213	7	28.1	-40	39.6	9.0	1 ✓
226	-40°	3214	7	28.2	-40	56.8	9.1	1 ✓
227	-41°	3157	7	29.0	-41	12.0	8.3	1 ✓
228	-41°	3169	7	30.0	-41	22.5	8.6	1 ✓
229	-41°	3170	7	30.0	-41	32.5	8.7	1 ✓
230	-41°	3147	7	27.8	-41	33.1	8.7	1 ✓
231	-41°	3145	7	27.7	-41	44.1	8.9	1 ✓
232	-41°	3132	7	26.8	-41	37.1	8.7	1 ✓ mgm. 9.5 -41° 3133 superposed
233	-41°	3121	7	26.2	-41	21.2	9.3	1 ✓
234	-41°	3120	7	26.2	-41	34.5	8.5	1 ✓
235	-42°	3321	7	28.7	-42	1.8	9.8	1 ✓
236	-42°	3318	7	28.4	-42	19.3	9.5	1 ✓
237	-42°	3309	7	27.5	-42	45.4	8.9	1 ✓
238	-42°	3310	7	27.5	-42	49.2	9.4	1 ✓
239	-43°	3307	7	27.8	-43	1.8	8.5	1 ✓
240	-42°	3294	7	26.4	-42	57.9	9.2	1 ✓

Cardo cu a de ouf

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Wednesday, July 10, 1912.

B 2667, short disp

No.	Int.	Class	Remarks
241	1	K	
242	4	F5	
243	3	lyr	
244	2	F5	
245	2	lyr	
246	10	B9	
247	3	K2	
248	6	A0	
249	3	B9	
250	2	lyr	
251	3	F5	
252	2	K0	
253	9	A0	
254	1	lyr	
255	3	K0	
256	3	lyr	
257	2	K2	
258	2	K0	
259	2	lyr	
260	5	A0	
261	2	lyr	
262	3	F8	
263	3	A3	lyband suspected Maybe comp.
264	4	K0	
265	4	A2	
266	6	F5	K slightly faint. Comp.?
267	4	K0	

241	-42°	3293	7	26.4	-42	51.3	9.5 ∧∨
242	-43°	3276	7	26.4	-43	44.4	9.5 ∧∨
243	-43°	3264	7	25.6	-43	47.7	9.1 ∧∨
244	-43°	3261	7	25.3	-43	46.5	9.7 ∧∨
245	-43°	3257	7	25.0	-43	53.3	9.9 ∧∨
246	-43°	3250	7	24.4	-43	42.4	8.0 ∧∨
247	-43°	3243	7	23.9	-43	52.6	9.0 ∧∨
248	-44°	3433	7	23.6	-43	2.0	8.5 ∧∨
249	-43°	3236	7	23.2	-43	55.6	9.9 ∧∨
250	-43°	3235	7	23.1	-43	27.7	9.7 ∧∨
		3212	7	21.6	-43	5.7	9.8
251	-43°	3152	7	18.2	-43	5.4	9.7 ∨
252	-42°	3222	7	21.4	-42	53.0	9.0 ∧∨
253	-43°	3203	7	21.1	-43	5.4	8.0 ∧∨
254	-43°	3194	7	20.6	-43	13.2	8.2 ∧∨
255	-42°	3209	7	20.4	-42	57.5	9.4 ∧∨
256	-42°	3206	7	20.3	-42	27.6	9.6 ∧∨
		3196	7	19.7	-42	29.8	9.4
257	-42°	3202	7	20.0	-42	34.3	10 ∨
258	-42°	3188	7	18.9	-42	35.5	9.7 ∧∨
259	-42°	3192	7	19.3	-42	45.6	10 ∧∨
260	-42°	3189	7	19.0	-42	49.0	9.6 ∧∨
261	-43°	3180	7	19.4	-43	6.4	9.7 ∧∨
262	-43°	3178	7	19.3	-43	10.2	9.6 ∧∨
263	-43°	3173	7	19.1	-43	32.0	9.3 ∧∨
264	-43°	3155	7	18.3	-43	29.4	9.0 ∧∨
265	-43°	3141	7	17.6	-43	13.1	9.6 ∧∨
266	-43°	3133	7	17.0	-43	35.4	9.0 ∧∨
267	-43°	3126	7	16.4	-43	50.8	9.6 ∧∨

Cards made out

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Wednesday, July 10, 1912.
15 20671 chart disp.

No.	Int.	Class	Remark
268	4	K0	
269	8	A0	
270	2	K2	
271	3	B9	
272	2	F5	
273	1	G0	
274	3	K0	
275	2	F5	
276	5	F5	
277	6	A3	
278	6	B9	
279	5	A0	
280	4	F0	
281	3	F0	
282	3	K5	
283	4	K2	
284	3	A2	
285	7	B9	
286	3	F5	
287	6	B9	
288	3	F0	
289	2	K5	
290	10	B8	
291	8	A2	
292	2	K0	
293	4	B9	
294	3	A0	

268 - 43°	3114	7	15.9 - 43	35.8	8.9	↑↓
269 - 43°	3119	7	16.3 - 43	15.4	8.4	↑↓
270 - 43°	3127	7	16.5 - 43	12.8	9.9	↑↓
271 - 42°	3148	7	16.4 - 42	56.6	9.8	↑↓
272 - 42°	3158	7	17.0 - 42	47.3	9.9	↑↓
273 - 42°	3142	7	16.1 - 42	46.8	10	↑↓
274 - 42°	3137	7	15.6 - 42	49.0	9.3	↑↓
275 - 42°	3130	7	15.1 - 42	47.8	10	↑↓
276 - 43°	3102	7	14.7 - 43	41.8	9.4	↑↓
277 - 43°	3099	7	14.5 - 43	28.5	9.4	↑↓
278 - 43°	3087	7	13.7 - 43	22.1	9.3	↑↓
279 - 43°	3080	7	13.2 - 43	15.5	9.4	↑↓
280 - 43°	3201	7	21.0 - 43	50.2	9.3	↑↓
281 - 43°	3204	7	21.1 - 43	27.7	9.7	↑↓
282 - 43°	3189	7	20.2 - 43	53.7	8.4	↑↓
283 - 43°	3184	7	19.8 - 43	50.9	7.8	↑↓
284 - 44°	3380	7	20.0 - 44	30.6	9.5	↑↓
285 - 44°	3393	7	21.0 - 44	19.9	9.1	↑↓
286 - 44°	3383	7	20.2 - 44	14.4	9.5	↑↓
287 - 44°	3378	7	20.0 - 44	13.1	9.2	↑↓
288 - 44°	3381	7	20.1 - 44	20.8	9.7	↑↓
289 - 44°	3371	7	19.0 - 44	23.2	8.8	↑↓
290 - 44°	3369	7	18.8 - 44	22.8	8.1	↑↓
291 - 44°	3368	7	18.8 - 44	40.9	8.6	↑↓
292 - 44°	3365	7	18.4 - 44	30.1	9.3	↑↓
293 - 44°	3335	7	16.6 - 44	22.0	9.1	↑↓
294 - 44°	3326	7	16.2 - 44	11.1	9.5	↑↓

cards made out

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Wednesday, July 10, 1912.
B 22671 about disp.

No.	Int.	Class	Remark
295	3	A0	
296	2	K0	
297	2	G0	
298	2	A3	
299	2	F5	
300	4	F5	
301	4	A5	Sp. 1 -44° 3237 Class K?

295	-44°	3323	7	16.0	-44	1.2	g3 ∧ ∪
296	-44°	3314	7	15.4	-44	12.4	g.1 ∧ ∪
297	-43°	3089	7	13.9	-43	46.6	g.5 ∧ ∨
298	-43°	3086	7	13.6	-43	58.4	g.9 ∧ ∨
299	-44°	3278	7	13.2	-44	0.3	g.6 ∧ ∪
300	-42°	3088	7	11.9	-42	57.1	g.1 ∧ ∨
" 301	-44	3236	7	10.5	-44	27	9.9 13 m B20858

Identified by AMC. Feb 20, 1913
Checked March 6, 1913 H.W.L.
cards made out by Miss C. W.
Cards checked by E.R.B.

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Thursday, July 11, 1912

Time: 12.00

B 10409 short disp

Nr.	Int.	Class	Remark
1	4	K0	
2	6	K0	
3	2	G	
4	5	K5	
5	7	G0	
6	5	G0	
7	10	F	Pos focus.
8	3	F0	
9	2	G0	
10	2	K2	
11	10+	A	
12	10+	A	
13	7	A2	
14	2	G	
15	4	G0	
16	1	G0	
17	3	F5	
18	2	K2	
19	8	G5	
20	1	K0	
21	2	G5	
22	5	F5	
23	9	K0	
24	2	K2	
25	6	G5	
26	4	G0	
27	2	K2	

1	−0°	471	2	52.7	−0	20.3	8.6 ✓
2	−0°	480	2	53.3	−0	42.2	8.6 ✓
3	−0°	472	2	52.9	−0	53.5	8.6 ✓
4	−1°	429	2	52.7	−1	15.7	8.2 ✓
5	−1°	428	2	52.5	−1	15.6	8.2 ✓
6	−1°	427	2	52.2	−1	13.0	8.5 ✓
7	−2°	532	2	52.7	−2	23.0	7.8 ✓
8	−2°	529	2	51.0	−2	9.7	8.5 ✓
9	−2°	521	2	49.6	−2	9.6	8.9 ✓
10	−2°	522	2	49.7	−2	21.5	8.8 ✓
11	−3°	475	2	52.4	−3	2.6	6.2 ✓
12	−3°	470	2	51.4	−3	21.7	5.5 ✓
13	−2°	526	2	50.7	−2	55.1	7.9 ✓
14	−2°	520	2	49.0	−2	56.4	9.0 ✓
15	−2°	517	2	47.6	−2	54.5	8.3 ✓
16	−2°	515	2	46.5	−2	46.2	9.0 ✓
17	−2°	516	2	46.7	−2	4.3	9.1 ✓
18	−2°	513	2	46.3	−2	3.5	8.8 ✓
19	−2°	511	2	46.2	−2	14.0	7.8 ✓
20	−1°	406	2	45.7	−1	50.9	8.8 ✓
21	−1°	407	2	46.1	−1	9.5	8.8 ✓
22	−1°	414	2	48.1	−1	2.8	8.5 ✓
23	−0°	456	2	48.7	−0	47.9	8.5 ✓
24	−0°	465	2	51.0	−0	8.8	8.8 ✓
25	−0°	465	2	50.2	−0	10.1 8.8	8.8 ✓
26	−0°	457	2	48.8	−0	4.4	8.8 ✓
27	+0°	481	2	48.0	+0	46.1	8.7 ✓

Cards made up

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Thursday, July 11, 1912

Binary chart disfoc

No.	Int.	Class	Remarks
28	3	A	Poor focus
29	4	K2	
30	5	A3	
31	3	F2	
32	3	K5	
33	4	F5	
34	3	F0	
35	3	Ma	
36	4	K2	
37	2	K0	
38	3	F0	
39	4	G0	
40	5	K0	
41	3	F5	
42	4	K0	
43	5	F0	
44	10	K0	
45	2	K5	
46	3	G0	
47	5	A0	
48	4	K0	
49	5	G0	
50	8	Dsp	
51	2	G0	
52	6	F2	
53	3	F0	
54	3	G5	

28	+0°	475	2	44.5	+0	41.6	8.8 ✓
29	+1°	494	2	42.2	+1	11.5	8.5 ✓
30	+0°	468	2	42.2	+0	48.2	8.3 ✓
31	+0°	467	2	42.0	+0	46.1	9.0 ✓
32	+0°	456	2	38.0	+0	56.8	8.9 ✓
33	+0°	455	2	37.9	+0	51.1	9.0 ✓
34	+0°	453	2	37.0	+0	53.1	8.8 ✓
35	+1°	474	2	35.8	+1	7.6	8.5 ✓
36	−0°	424	2	37.6	−0	48.4	8.4 ✓
37	−0°	422	2	37.5	−0	37.2	8.4 ✓
38	−0°	420	2	37.1	−0	14.4	8.5 ✓
39	−0°	415	2	36.2	−0	58.0	8.4 ✓
40	−1°	388	2	37.4	−1	27.5	8.0 ✓
41	−1°	387	2	37.1	−1	39.3	9.0 ✓
42	−1°	391	2	39.2	−1	59.2	8.5 ✓
43	−2°	480	2	37.3	−2	34.7	8.3 ✓
44	−3°	426	2	36.2	−3	9.0	6.7 ✓
45	−2°	476	2	35.0	−2	58.3	9.0
46	−1°	382	2	35.0	−1	55.7	8.8 ✓
47	−1°	378	2	33.9	−1	51.5	9.1 ✓
48	−2°	469	2	33.3	−2	32.9	8.3 ✓
49	−2°	462	2	31.9	−2	31.9	8.0 ✓
50	−2°	463	2	32.0	−2	42.1	7.8 ✓
51	−2°	460	2	31.6	−2	12.7	8.7 ✓
52	−2°	456	2	31.0	−2	2.2	8.0 ✓
53	−1°	372	2	31.3	−1	52.4	8.8 ✓
54	−0°	408	2	32.8	−0	53.5	8.6 ✓

Under under work

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Thursday, July 11, 1912.

B10409 chart disp.

No.	Fut.	Class	Remark
55	3	K0	
56	6	F8	
57	7	F5	
58	7	F8	
59	8	A2	
60	8	A	E.
61	2	F5	
62	10+	A	
63	5	K0	
64	5	K0	
65	7	K0	
66	7	K2	
67	9	A0	
68	3	F0	
69	6	F0	
70	4	G0	Partly superposed on 71.
71	4	G0	" " " 70.
72	6	K5	
73	2	K	
74	4	K2	
75	3	K2	
76	8	A0	
77	2	G5	
78	1	K	
79	2	G	
80	2	G0	
81	5	G0	

55	−1°	399	2	44.1	−1	46.2	8.5
56	−2°	491	2	41.5	−2	7.2	8.3
57	−4°	512	2	52.9	−4	15.2	8.0
58	−4°	511	2	52.3	−4	41.8	7.8
59	−4°	506	2	51.4	−4	47.2	8.0
60	−5°	554	2	51.9	−5	21.4	7.3
61	−5°	553	2	50.7	−5	18.2	8.5
62	−4°	502	2	49.3	−4	17.8	5.3
63	−3°	459	2	47.7	−3	53.8	8.0
64	−4°	491	2	46.5	−4	50.2	7.5
65	−5°	541	2	47.4	−5	55.3	7.0
66	−5°	536	2	46.0	−5	50.8	7.3
67	−5°	528	2	43.1	−5	35.1	7.2
68	−5°	527	2	42.8	−5	18.7	8.6
69	−5°	524	2	41.7	−5	46.6	7.7
70	−5°	521	2	41.2	−5	31.4	8.3
71	−5°	519	2	41.1	−5	29.0	8.3
72	−4°	476	2	41.8	−4	49.6	7.0
73	−4°	477	2	41.8	−4	41.8	9.2
74	−4°	479	2	42.4	−4	9.3	8.7
75	−4°	483	2	44.5	−4	3.9	9.0
76	−3°	453	2	44.1	−3	35.8	7.7
77	−4°	487	2	46.0	−4	19.2	9.1
78	−4°	489	2	46.2	−4	5.4	9.4
79	−3°	456	2	45.9	−3	21.4	8.9
80	−3°	440	2	40.4	−3	38.3	9.3
81	−3°	437	2	40.1	−3	54.2	8.5

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Thursday, July 11, 1912.
B10409 short disp.

No.	Int.	Class	Remark
82	2	ly5	
83	8	H2	
84	2	K5	
85	3	ly5	
86	4	H5	
87	9	K0	
88	4	ly5	
89	4	H0	
90	3	K0	
91	2	A0	
92	3	ly5	
93	9	A0	
94	7	K0	
95	5	H0	
96	5	ly0	
97	8	H5	
Time: 12.20	98	7	H0
	99		
	100		

100	10	K0					

82	−3°	436	2	39.8	−3	50.1	8.6 ✓
83	−5°	514	2	38.8	−5	33.6	7.7 ✓
84	−5°	509	2	37.1	−5	8.2	8.5 ✓
85	−4°	454	2	35.6	−4	56.1	8.8 ✓
86	−4°	453	2	35.4	−4	23.6	8.9 ✓
87	−3°	421	2	34.5	−3	50.3	6.3 ✓
88	−4°	446	2	33.3	−4	20.3	8.6 ✓
89	−5°	501	2	34.0	−5	23.2	8.3 ✓
90	−5°	498	2	33.3	−5	38.8	8.4 ✓
91	−5°	499	2	33.4	−5	1.5	9.0 ✓
92	−3°	415	2	31.7	−3	12.6	8.5 ✓
93	−4°	470	2	40.9	−4	14.1	7.3 ✓
94	−6°	550	2	41.3	−6	20.5	7.2 ✓
95	−6°	542	2	40.0	−6	22.7	8.5 ✓
96	−6°	540	2	39.6	−6	26.2	8.0 ✓
97	−6°	524	2	36.8	−6	37.5	7.0 ✓
98	−7°	489	2	39.4	−7	18.7	7.9 ✓

under wide exp

Identified by J. C. M. July 30, 1912.
Checked by Anna. Aug. 5, 1912

8 P omitted

Cards checked by M.A.H.

100	−4	436	2	30.4	−4	2	6.0	96 on B14901

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Thursday, July 11, 1912.

Time: 12.21

B 1490 short disp.

No.	Int.	Class	Remark
1	5	K2	
2	2	K2	
3	3	F5	
4	2	K5	
5	7	Lyo	
6	4	Lyo	
7	7	K0	
8	7	K0	
9	2	Lyo	
10	7	F5	
11	10+	F.	
12	3	K0	
13	9	K5	
14	1	K	
15	6	K2	
16	2	Ly3	E.
17	3	F5	
18	2	K0	
19	3	Lyo	
19a	5	K0	
20	6	K0	
21	3	Ly5	
22	5	F5	
23	3	F5	
24	2	Ly5	
25	9	A	
26	3	K0	
27	5	Ao	

1	−0°	343	2	10.8	−0	50.2	8.2	✓
2	−0°	345	2	11.3	−0	20.7	8.3	✓
3	−0°	347	2	11.6	−0	36.0	8.5	✓
4	−0°	350	2	12.7	−0	57.3	8.5	✓
5	−1°	317	2	12.7	−1	8.5	8.2	✓
6	−1°	316	2	11.9	−1	26.5	8.0	✓
7	−0°	354	2	14.3	−0	48.7	7.8	✓
8	−1°	321	2	14.3	−1	1.8	8.0	✓
9	−0°	356	2	14.7	−0	55.1	8.8	✓
10	−1°	325	2	15.1	−1	10.6	8.3	✓
11	−1°	322	2	14.8	−1	33.1	5.8	✓
12	−0°	357	2	15.0	−0	28.0	8.5	✓
13	−0°	355	2	14.6	−0	16.6	5.5	✓
14	−0°	358	2	15.3	−0	14.8	9.0	✓
15	+0°	391	2	14.4	+0	18.4	8.2	✓
16	+0°	385	2	12.9	+0	55.4	8.8	✓
17	+0°	396	2	17.9	+0	58.1	8.8	✓
18	+0°	395	2	17.9	+0	42.0	8.8	✓
19	−0°	362	2	19.1	−0	2.6	8.8	✓
19a	−0°	360	2	17.7	−0	1.1	8.5	✓
20	+1°	431	2	20.5	+1	19.1	6.8	✓
21	+0°	404	2	20.9	+0	50.1	8.5	✓
22	+0°	408	2	21.9	+0	8.1	8.2	✓
23	+0°	410	2	23.3	+0	11.2	9.0	✓
24	+0°	417	2	24.2	+0	6.8	8.8	✓
25	+0°	416	2	24.0	+0	28.0	7.5	✓
26	+0°	414	2	23.8	+0	02.1	8.4	✓
27	+0°	423	2	26.3	+0	00.6	8.5	✓

Cards made out

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Thursday, July 11, 1912.

B 1490 clust disp.

No.	Int.	Class	Remark
28	1	K	
29	7	Ly5	
30	5	K0	
31	3	F0	
32	6	A0	
33	3	Ly5	
34	2	Ly0	
35	4	F2	
36	10	K	
37	3	F0	Partly superposed on 36.
38	4	Ly0	
39	2	Ly0	
40	5	F5	
41	6	F2	
42	3	A2	
43	10	A0	
44	3	K5	
45	8	F5	
46	3	F2	
47	2	Ma	
48	8	K0	
49	3	K0	
50	4	F0	
51	1	K	
52	4	A5	
53	5	F5	
54	4	K0	

28	+1°	44°	2	25.5	+1	1.7	8.5	✓
29	+0°	421	2	25.3	+0	23.6	7.5	✓
30	+0°	430	2	27.4	+0	35.7	8.0	✓
31	+0°	431	2	27.7	+0	29.4	7.0	✓
32	+1°	442	2	26.3	+1	37.5	9.0	✓
33	+2°	400	2	27.4	+2	1.5	8.3	✓
34	+1°	443	2	26.2	+1	37.5	9.0	✓
35	+2°	394	2	24.2	+2	6.1	8.5	✓
36	+1°	438	2	24.0	+1	38.1	5.5	✓
37	+1°	437	2	23.9	+1	38.8	9.0	✓
38	-2°	404	2	17.1	-2	24.4	8.3	✓
39	-2°	401	2	16.9	-2	34.3	8.3	✓
40	-2°	405	2	17.3	-2	40.2	8.2	✓
41	-2°	406	2	17.5	-2	46.4	8.6	✓
42	-2°	403	2	17.0	-2	57.1	8.9	✓
43	-3°	374	2	17.7	-3	26.2	6.7	✓
44	-3°	375	2	17.9	-3	32.3	8.6	✓
45	-3°	372	2	17.1	-3	45.2	8.2	✓
46	-3°	371	2	16.9	-3	54.0	8.8	✓
47	-4°	390	2	16.4	-4	2.0	8.6	✓
48	-4°	394	2	17.6	-4	33.0	7.0	✓
49	-4°	396	2	17.9	-4	32.1	8.5	✓
50	-4°	400	2	19.1	-4	32.3	9.0	✓
51	-4°	452	2	19.8	-4	10.1	9.1	✓
52	-3°	383	2	19.9	-3	54.9	8.8	✓
53	-3°	384	2	20.1	-3	22.2	8.1	✓
54	-4°	404	2	21.2	-4	5.4	8.5	✓

Cards made out

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Thursday, July 11, 1912.
13h 49m short disp.

No.	Fut.	Class	Remark
55	2	F5	
56	5	F2	
57	3	G0	
58	4	F0	
59	7	K5	
60	4	F5	
61	4	G5	
62	3	G5	
63	3	F8	
64	7	A2	
65	10	A	Burned out.
66	5	F0	
67	6	G5	
68	5	F0	
69	6	A0	
70	3	G5	
71	3	K0	
72	5	A3	
73	8	A3	
74	8	F5	
75	3	K0	
76	10	K	
77	4	K2	
78	7	A5	
79	4	F5	
80	5	F8	
81	4	G0	

55	-2°	408	2	19.1	-2	55.9	8.8	✓
56	-2°	412	2	20.2	-2	35.8	8.3	✓
57	-2°	413	2	20.3	-2	40.2	8.7	✓
58	-1°	336	2	20.0	-1	40.3	8.5	✓
59	-1°	338	2	20.1	-1	23.9	9.0	✓
60	-1°	340	2	20.4	-1	26.3	8.7	✓
61	-0°	367	2	21.0	-0	53.2	8.3	✓
62	-0°	365	2	20.6	-0	26.3	8.8	✓
63	-0°	373	2	22.7	-0	32.7	8.8	✓
64	-0°	374	2	22.8	-0	44.1	8.3	✓
65	-0°	378	2	23.3	-0	22.8	6.5	✓
66	-0°	381	2	24.9	-0	57.0	8.8	✓
67	-0°	382	2	25.9	-0	29.4	8.5	✓
68	-0°	384	2	26.6	-0	40.6	9.0	✓
69	-0°	385	2	26.9	-0	17.2	8.5	✓
70	-0°	395	2	28.5	-0	28.3	8.8	✓
71	-0°	357	2	27.5	-0	59.2	8.5	✓
72	-0°	394	2	28.4	-0	59.1	8.4	✓
73	-1°	363	2	29.1	-1	16.1	7.7	✓
74	-1°	360	2	27.5	-1	49.0	8.8	✓
75	-1°	354	2	25.1	-1	23.0	8.7	✓
76	-1°	353	2	24.8	-1	40.3	5.6	✓
77	-1°	352	2	24.8	-1	50.3	8.5	✓
78	-2°	423	2	23.2	-2	18.6	7.8	✓
79	-2°	419	2	22.4	-2	55.2	8.3	✓
80	-3°	389	2	22.7	-3	2.7	8.1	✓
81	-3°	390	2	23.5	-3	50.9	6.5	✓

Cards made out

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Thursday, July 11, 1912.

B 14901 short disp.

No.	Int.	Class	Remark
82	6	A5	
83	5	A5	
84	5	F0	
85	5	F0	
86	3	F5	
87	3	F2	
88	4	F0	
89	3	F0	
90	3	F5	
91	8	F2	
92	4	G5	
93	3	Ma	
94	4	G0	
95	6	K0	
96	10	K	
97	5	A2	
98	~~6~~	~~F5~~ K	
99	~~4~~	K0	
100	9	G0	
101	3	F5	Partly superposed on 102.
102	4	K2	
103	4	F2	
104	5	F5	
105	2	G	E.
106	7	K2	E.
107	2	Ma	
108	8	A0	

82	-4°	412	2	24.3	-4	37.6	8.3	✓
83	-4°	419	2	26.0	-4	29.0	9.1	✓
84	-2°	433	2	25.3	-2	23.7	8.3	✓
85	-2°	432	2	25.3	-2	39.6	8.3	✓
86	-3°	396	2	25.8	-3	2.6	8.8	✓
87	-2°	439	2	26.6	-2	51.0	8.9	✓
88	-2°	444	2	28.5	-2	27.7	8.3	✓
89	-2°	445	2	28.5	-2	34.4	9.0	✓
90	-2°	451	2	29.6	-2	28.3	8.9	✓
91	-2°	452	2	29.8	-2	58.1	7.2	✓
92	-3°	406	2	28.0	-3	5.6	8.1	✓
93	-3°	404	2	27.4	-3	26.1	8.7	✓
94	-3°	407	2	28.5	-3	38.6	8.3	✓
95	-3°	410	2	29.4	-3	47.6	8.3	✓
96	-4°	436	2	30.4	-4	1.7	6.0	✓
97	-4°	433	2	29.6	-4	12.0	8.3	✓
98	-4°	434	2	29.9	-4	32.3	8.3	✓
99	-4°	428	2	28.3	-4	5.9	8.5	✓
100	-4°	426	2	28.1	-4	10.9	7.0	✓
101	-4°	430	2	28.8	-4	48.5	9.0	✓
102	-4°	431	2	28.8	-4	54.4	8.2	✓
103	-5°	457	2	29.0	-5	7.3	9.0	✓
104	-5°	491	2	30.3	-5	43.2	8.6	✓
105	-6°	506	2	28.3	-6	18.5	8.5	✓
106	-6°	502	2	26.9	-6	16.4	7.0	✓
107	-6°	501	2	26.7	-6	38.6	8.2	✓
108	-5°	471	2	23.2	-5	40.9	7.5	✓

cards made out

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Thursday, July 11, 1912.
B.1491 short disp.

No.	Int.	Class	Remark
109	4	Ko	
110	4	A3	
Time: 12.45 111	3	ly	
	...		
112	3	F8	
113	2	Ko	
114	5	F5	
115	5	Ko	
116	1	Ko	
117	2	Go	
118	2	K	Another star superposed ? yes

109	-6°	48.6	2	21.8	-6	6.0	8.1	✓
110	-5°	46.7	2	21.1	-5	56.1	8.5	✓
111	-5°	45.3	2	17.9	-5	24.5	8.5	✓

Identified by M. C. W. Aug. 17, 1912.
Checked by AMC Aug. 17, 1912
cards made out by M. C. W.

112	-3°	36.3	2	14.3	-3	37.6	8.9	✓
113	-2°	39.6	2	12.4	-2	53.9	8.4	✓
114	-4°	37.9	2	12.8	-4	12.0	8.5	✓
115	-2°	38.9	2	10.4	-2	42.8	7.8	✓
116	-2°	39.3	2	11.6	-2	24.6	8.5	✓
117	-3°	34.7	2	10.6	-3	27.2	9.0	✓
118	-3°	34.5	2	9.5	-3	34.8	8.5	✓ -3° 344 Superposed*

*magn. 9.1

Identified by AMC. Sept. 11, 1912
Checked by J. B. W. Sept. 12, 1912
cards made out by M. C. W.

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Friday July 12, 1912

Time 11:47

B 5134

No.	Int.	Class	Remark
1	5	G5	
2	4	G0	
3	2	F8	
4	3	G0	
5	7	F5	
6	3	A3	
7	8	A2	
8	9	F0	
9	2	G	
10	9	G5	
11	7	A3	
12	3	F5	
13	2	G0	
14	3	G	Poor focus
15	4	A2	
16	2	K0	
17	3	G5	
18	4	K0	
19	4	G0	
20	7	F5	
21	10	G5	
22	10	B8	
23	2	G5	
24	3	A2	
25	4	F2	
26	3	F0	

1	-10°	6.20	3	1.4	-10	6.3	8.0	✓
2	-10°	6.26	3	2.7	-10	7.5	8.3	✓
3	-9°	6.03	3	3.3	-9	41.3	8.9	✓
4	-9°	6.11	3	5.5	-9	15.4	8.7	✓
5	-9°	6.18	3	7.0	-9	6.8	8.2	✓
6	-9°	6.17	3	6.9	-9	24.7	8.8	✓
7	-10°	6.38	3	6.4	-10	32.4	8.1	✓
8	-10°	6.42	3	7.5	-10	13.9	7.5	✓
9	-11°	6.12	3	6.1	-11	3.9	9.1	✓
10	-11°	6.03	3	3.9	-11	40.5	7.3	✓
11	-11°	6.04	3	4.0	-11	39.2	8.5	✓
12	-12°	6.06	3	3.6	-12	12.1	8.9	✓
13	-11°	6.09	3	5.7	-11	36.9	9.3	✓
14	-12°	6.18	3	6.6	-12	3.7	9.0	✓
15	-11°	6.22	3	9.2	-11	28.4	9.1	✓
16	-11°	6.24	3	9.3	-11	23.4	8.8	✓
17	-11°	6.25	3	9.3	-11	45.4	9.0	✓
18	-11°	6.27	3	10.3	-11	42.2	9.0	✓
19	-11°	6.30	3	10.4	-11	35.2	8.9	✓
20	-11°	6.32	3	11.0	-11	6.2	8.7	✓
21	-10°	6.49	3	11.6	-10	58.4	7.2	✓
22	-10°	6.50	3	11.3	-10	15.7	8.0	✓
23	-9°	6.33	3	11.1	-9	09.4	8.8	✓
24	-10°	6.53	3	12.1	-10	1.0	9.3	✓
25	-10°	5.99 6.01	3	2.6	-13	54.9	8.7	✓
26	-13°	6.01	3	3.6	-13	56.0	9.0	✓

cards made out.

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Friday July 12, 1912 (Cont.)
B 1573.4

No.	Int.	Class	Remarks
27	4	F5	
28	10	G0	
29	8	F5	
30	2	G0	
31	3	F5	
32	8	A2	
33	7	G5	
34	4	G0	
35	3	G5	
36	6	K0	
37	2	G	
38	2	G5	
39	2	A	
40	7	K2	
41	2	G	
42	3	G5	
43	7	G5	
44	3	G0	
45	5	F2	
46	2	F8	
47	2	G	
48	6	F8	
49	9	F5	
50	7	F2	
51	2	F8	
52	3	G5	
53	6	F5	

27	-14°	612	3	4.0	-14	7.2	8.9	✓
28	-13°	604	3	4.2	-13	49.2	6.3	✓
29	-14°	617	3	4.7	-14	4.5	7.7	✓
30	-13°	605	3	4.3	-13	25.6	8.9	✓
31	-13°	607	3	5.0	-13	28.0	9.0	✓
32	-14°	625	3	6.8	-14	11.2	7.5	✓
33	-14°	629	3	8.3	-14	22.1	7.2	✓
34	-14°	630	3	8.5	-14	2.2	8.4	✓
35	-13°	615	3	8.2	-13	30.8	8.7	✓
36	-13°	617	3	8.4	-13	31.6	8.0	✓
37	-13°	614	3	8.1	-13	14.9	9.1	✓
38	-12°	619	3	7.1	-12	48.3	8.9	✓
39	-12°	621	3	7.8	-12	44.6	9.3	✓
40	-12°	627	3	9.3	-12	31.5	7.2	✓
41	-12°	633	3	10.9	-12	23.5	9.0	✓
43	-12°	632	3	10.9	-12	45.4	8.5	✓
43	-11°	640	3	12.7	-11	56.1	7.8	✓
44	-11°	645	3	14.5	-11	35.6	8.6	✓
45	-11°	646	3	14.6	-11	44.6	8.8	✓
46	-10°	657	3	13.8	-10	52.0	9.0	✓
47	-11°	650	3	15.4	-11	12.3	9.0	✓
48	-12°	641	3	15.7	-12	13.4	8.3	✓
49	-11°	652	3	16.3	-11	51.7	7.5	✓
50	-11°	653	3	16.5	-11	56.1	9.0	✓
51	-11°	654	3	16.6	-11	46.4	9.1	✓
52	-11°	656	3	16.9	-11	23.3	9.0	✓
53	-12°	640	3	15.1	-12	51.0	8.0	✓

cards made out.

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Friday July 12, 1912 (Cont.)

F T B15134

No.	Sat.	class	Remark
54	3	F8	
55	4	K0	
56	5	A5	
57	2	G	The northern of two
58	8	A3	
59	2	K0	
60	5	K0	
61	2	K0	Partly superposed on 57
62	5	F0	
63	8	A0	
64	6	K0	
65	3	K0	
66	6	K0	
67	3	G5	Two-faced.
68	8	G0	
Twice 11.55	69	3	G0
	70		
	71		

54	-13°	635	3	15.1	-13	24.4	8.8	✓
55	-13°	637	3	15.3	-13	47.6	8.3	✓
56	-13°	629	3	10.2	-13	54.2	8.3	✓
57	-14°	637	3	10.6	-14	11.0	9.3	✓
58	-14°	641	3	11.4	-14	21.9	8.2	✓
59	-14°	643	3	11.6	-14	24.4	9.0	✓
60	-14°	646	3	11.9	-14	46.9	7.5	✓
61	-14°	638	3	10.6	-14	14.3	9.2	✓
62	-15°	578	3	12.1	-15	24.8	8.3	✓
63	-14°	611	3	3.8	-14	57.8	8.0	✓
64	-15°	554	3	5.0	-15	28.7	7.7	✓
65	-14°	620	3	5.3	-14	47.4	8.7	✓
66	-14°	627	3	8.0	-14	59.0	7.5	✓
67	-15°	562	3	7.8	-15	22.7	8.8	✓
68	-15°	568	3	9.1	-15	20.3	8.6	✓
69	-14°	632	3	9.1	-14	41.3	8.7	✓

Identified by M. C. W Aug. 16, 1912
Checked by ANC Aug. 17, 1912
cards made out by M. C. W.

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Saturday, July 13, 1912

Time: 10.02

I37799

No.	Int.	Class	Remark
1	7	A2	E.
2	3	F8	
3	5	F5	
4	7	K3	
5	4	G5	
6	5	A3	
7	1	G	
8	2	G5	
9	3	G5	
10	5	K0	
11	2	K0	
12	2	K0	
13	4	G0	
14	3	F8	
15	3	G0	
16	2	G	
17	2	K0	
18	7	K2	
19	4	Neb.	Two bright lines.
20	3	F5	E.
21	6	F0	E.
22	3	A0	
23	2	G5	
24	2	K0	
25	2	K0	
26	9	F5	
27	3	F5	

1	+32°	23'46	13	17'.7	+32	50.6	7.3	✓
2	+32°	23'50	13	19'.2	+32	37.3	8.3	✓
3	+31°	24'87	13	19'.4	+31	27.8	7.5	✓
4	+31°	24'93	13	21'.6	+31	53.2	6.8	✓
5	+31°	24'94	13	22'.2	+31	18.3	7.3	✓
6	+32°	23'56	13	22'.2	+32	46.9	8.6	✓
7	+32°	23'57	13	22'.8	+32	15.9	8.8	✓
8	+31°	24'95	13	22'.5	+31	49.1	8.8	✓
9	+33°	23'44	13	24'.6	+33	15.2	8.1	✓
10	+31°	25'07	13	26'.1	+31	29.5	7.3	✓
11	+31°	25'03	13	26'.7	+31	13.1	8.2	✓
12	+30°	24'19	13	26'.8	+30	32.9	8.9	✓
13	+30°	24'20	13	26'.9	+30	28.9	8.2	✓
14	+30°	24'21	13	28'.3	+30	53.2	8.5	✓
15	+30°	24'24	13	29'.6	+30	30.9	8.1	✓
16	+30°	24'28	13	30'.6	+30	49.6	8.4	✓
17	+29°	24'46	13	33'.6	+29	46.9	8.2	✓
18	+28°	22'48	13	33'.9	+28	49.0	6.5	✓
19	+29°	24'50	13	35'.5	+29	6.7	uk.	✓
20	+28°	22'51	13	35'.8	+28	56.4	8.3	✓
21	+28°	22'54	13	37'.5	+28	18.8	7.0	✓
22	+30°	24'99	13	36.4 9'.5	+30	24'.7	8.6	✓
23	+29°	24'54	13	37'.9	+29	43.0	8.1	✓
24	+31°	25'36	13	39'.1	+31	19.8	8.3	✓
25	+31°	25'39	13	39'.7	+31	11.3	8.3	✓
26	+31°	25'40	13	39'.7	+31	36.3	6.3	✓
27	+32°	23'91	13	41'.8	+32	11.2 7.8	8.5	✓

Comparison made with

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Saturday, July 13, 1912.

I 37799

Nr.	Int.	Class	Remark
28	8	Ko	
29	10	Ko	
30	3	Ko	
31	4	Ko	
32	1	K	
33	1	ky	
34	2	ky	
35	6	Ka	
36	3	Ko	
37	10	As	
38	6	Ao	
39	3	Fs	
40	2	ky?	Look up on small disp.
41	4	Ko	
42	9	Ka	
43	5	Ko	
44	6	Ko	
45	2	Fs	
46	6	As	
47	1	K	
48	2	Ko	
49	4	Ka	
50	5	Ko	
51	7	Fe	Ei
52	1	K	Ei
53	4	Fs	
54	4	Fo	

28	+32°	2391	13	41.4	+32	11.2	8.0	✓
29	+31°	2547	13	42.1	+31	54.7	8.5	✓
30	+31°	2550	13	42.9	+31	26.5	7.6	✓
31	+30°	2449	13	41.9	+30	34.9	7.8	✓
32	+30°	2451	13	43.5	+30	0.3	8.7	✓
33	+30°	2454	13	44.7	+30	29.7	8.9	✓
34	+30°	2456	13	45.1	+30	43.5	8.5	✓
35	+30°	2461	13	47.9	+30	39.7	7.3	✓
36	+30°	2462	13	48.1	+30	56.1	8.2	✓
37	+29°	2464	13	46.6	+29	22.0	6.0	✓
38	+29°	2473	13	49.5	+29	23.1	7.0	✓
39	+32°	2402	13	47.3	+32	24.1	8.4	✓
40	+32°	2409	13	49.4	+32	22.5	8.8	✓
41	+32°	2410	13	49.5	+32	34.0	8.5	✓
42	+32°	2411	13	49.8	+32	43.8	6.5	✓
43	+32°	2412	13	49.9	+32	35.2	8.2	✓
44	+33°	2390	13	51.5	+33	18.2	7.7	✓
45	+33°	2391	13	51.7	+33	28.2	9.0	✓
46	+33°	2395	13	54.7	+33	11.7	8.0	✓
47	+33°	2396	13	55.2	+33	17.1	8.4	✓
48	+33°	2399	13	55.5	+33	31.6	9.0	✓
49	+33°	2402	13	56.8	+33	31.4	7.7	✓
50	+32°	2419	13	54.9	+32	14.9	7.6	✓
51	+32°	2424	13	56.1	+32	22.5	7.5	✓
52	+31°	2574	13	54.6	+31	22.8	7.6	✓
53	+34°	2421	13	18.4	+34	6.6	7.9	✓
54	+33°	2341	13	21.3	+33	20.5	8.3	✓

Under water ice

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Saturday, July 13, 1912.

I 37799

	No.	Int.	Class	Remark
	55	2	K0	
	56	3	K0	
	57	1	K0	
	58	3	F8	
	59	7	A3	
	60	5	F5	
	61	3	G0	
10. 13	62	9	A5	1
11.30	63	8	K0	
	64	1	K	
	65	1	K	
	66	4	F8	
	67	7	G0	
	68	2	F	
	69	2	K0	
	70	1	K	
	71	2	G0	
	72	1	G	
	73	4	F8	
	74	9	G5	
	75	3	G0	
	76	2	G0	
	77	6	F5	Faint star superposed on Neb. edge.
	78	3	K0	
	79	2	K0	
	80	5	F5	
	81	1	G	

55	+33°	23 42	13	22.1	+33	57.8	8.4	✓
56	+34°	24 26	13	22.0	+34	25.4	8.0	✓
57	+33°	23 43	13	22.8	+33	58.0	8.7	✓
58	+34°	24 28	13	23.4	+34	2.0	8.5	✓
59	+35°	24 56	13	23.4	+35	15.9	7.7	✓
60	+35°	24 57	13	23.9	+35	12.8	8.2	✓
61	+35°	24 60	13	25.8	+35	38.2	8.2	✓
62	+35°	24 62	13	26.3	+35	38.9	6.7	✓
63	+34°	24 30	13	26.8	+34	23.5	6.5	✓
64	+34°	24 31	13	26.9	+34	47.8	9.0	✓
65	+33°	23 50	13	27.5	+33	57.1	9.0	✓
66	+33°	23 53	13	28.0	+33	53.9	8.6	✓
67	+33°	23 49	13	27.2	+33	5.3	7.8	✓
68	+33°	23 51	13	27.5	+33	12.7	9.1	✓
69	+32°	23 61	13	27.2	+32	17.7	8.8	✓
70	+32°	23 63	13	28.2	+32	1.4	9.0	✓
71	+32°	23 67	13	30.4	+32	21.6	9.0	✓
72	+32°	23 68	13	30.9	+32	20.9	9.3	✓
73	+31°	25 22	13	32.5	+31	50.5	8.3	✓
74	+31°	25 26	13	33.7	+31	44.8	6.0	✓
75	+32°	23 70	13	32.8	+32	29.2	8.8	✓
76	+33°	23 58	13	32.7	+33	29.3	8.7	✓
77	+33°	23 61	13	33.9	+33	33.8	7.6	✓
78	+34°	24 39	13	34.5	+34	8.6	8.3	✓
79	+32°	23 75	13	34.3	+32	29.1	9.1	✓
80	+32°	23 77	13	35.5	+32	35.6	8.5	✓
81	+32°	23 78	13	36.6	+32	45.7	9.2	✓

Curves made on

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Saturday, July 13, 1912.

I 87799

No	Fil.	Class	Remark
82	1	Ly5	
83	2	K0	
84	1	F5	
85	2	K0	
86	7	F5	
87	5	K2	
88	2	Ly5	
89	5	F5	
90	2	F8	
91	3	F8	
92	2	K5	
93	9	A2	
94	6	K5	
95	10	Ma	
96	1	K	
97	2	Ly	
98	4	K0	
99	5	K0	
100	5	F5	
101	2	F5	
102	1	K	
103	1	F5	
104	6	F8	
105	2	Ly5	
106	4	A	
107	4	Ly0	
108	4	K0	

82	+32°	2379	13	36.7	+32	44.8	8.9	✓
83	+32°	2385	13	38.8	+32	13.5	8.6	✓
84	+31°	2537	13	39.5	+31	46.9	9.0	✓
85	+31 (2)	2389	13	41.4	+31 (2)	50.4	9.0	✓
86	+33°	2376	13	42.2	+33	42.7	7.3	✓
87	+33°	2378	13	43.7	+33	13.8	8.2	✓
88	+33°	2379	13	43.7	+33	33.4	9.0	✓
89	+34°	2454	13	42.9	+34	28.1	8.4	✓
90	+35°	2468	13	42.9	+35	5.2	8.8	✓
91	+35°	2489	13	43.3	+35	43.6	8.5	✓
92	+35°	2490	13	43.5	+35	30.2	8.7	✓
93	+35°	2492	13	44.7	+35	30.1	6.8	✓
94	+35°	2493	13	44.7	+35	24.0	5.8	✓
95	+35°	2496	13	45.4	+35	9.6	5.7	✓
96	+35°	2497	13	46.1	+35	48.9	9.0	✓
97	+35°	2498	13	46.6	+35	36.8	9.0	✓
98	+35°	2501	13	47.9	+35	20.6	8.1	✓
99	+34°	2467	13	47.0	+34	29.8	7.5	✓
100	+34°	2464	13	46.4	+34	7.0	8.3	✓
101	+34°	2460	13	45.2	+34	10.8	8.9	✓
102	+33°	2381	13	45.3	+33	58.9	9.1	✓
103	+33°	2382 (3)	13	45.8	+33	34.1	9.0	✓
104	+33°	2384	13	47.6	+33	32.7	8.0	✓
105	+35°	2506	13	50.2	+35	59.4	8.3	✓
106	+36°	2427	13	50.5	+36	9.8	8.5	✓
107	+35°	2509	13	50.8	+35	8.8	8.5	✓
108	+35°	2466	13	28.9	+35	43.8	7.6	✓

Cards made out

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Saturday, July 13, 1912.

I 37799

Nr.	Int.	Class	Remark
109	5	K2	
110	2	K	
111	2	K2	
112	8	K0	
113	3	K0	
114	4	F2	
115	5	G5	
116	2	F8	
117	4	F5	
118	3	G0	
119	2	G5	
120	3	K0	
121	5	G5	
122	8	A2	E.
123	3	K0	
124	3	A5	
Time: 11. 41 125	6	F5	
126			
127			
128			
126	10	A5	
127	3	G0	
128	2	K0	

Cards made ok

109	+34°	2435	13	31.1	+34	29.2	6.5	✓
110	+34°	2436	13	31.5	+34	30.2	8.3	✓
111	+35°	2471	13	32.7	+35	0.9	8.7	✓
112	+35°	2474	13	36.3	+35	44.0	6.5	✓
113	+34°	2444	13	36.2	+34	35.3	8.2	✓
114	+35°	2478	13	37.1	+35	1.6	8.3	✓
115	+35°	2480	13	39.1	+35	24.1	7.2	✓
116	+35°	2482	13	39.2	+35	3.0	8.8	✓
117	+34°	2448	13	39.6	+34	47.0	7.5	✓
118	+34°	2451	13	40.8	+34	43.2	8.5	✓
119	+34°	2449	13	40.8	+34	2.0	8.6	✓
120	+36°	2405	13	37.2	+36	3.9	8.7	✓
121	+36°	2406	13	37.2	+36	26.7	8.0	✓
122	+37°	2457	13	43.4	+37	20.3	6.5	✓
123	+36°	2414	13	44.5	+36	38.1	8.0	✓
124	+36°	2420	13	46.1	+36	23.5	8.6	✓
125	+37	2467	13	48.4	+37	47.6	7.0	✓

Identified by M. C. W. July 17. 1912.
Checked by ANM July 31, 1912

Cards checked by M. T. H.

126	+37	2433						5 on J38448
127	+36	2382						4 " "
128	+37	2428	13	28.8	+37	7	8.0	

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Saturday July 13, 1912.

Time: 12.15

I 377 44

No.	Int	Class	Remark
1	3	I	E.
2	5	I5	
3	3	A2	
4	10	A2	
5	4	K0	
6	7	G0	
7	5	K0	
8	8	G5	
9	6	K0	
10	2	I5	Focus poor.
11	2	K	
12	4.5	I5	
13	3	I5	
14	8	K0	
15	3	I	E.
16	4	K	E.
17	5	K0	
18	3	G	E.
19	3	G5	E.
20	4	K0	E.
21	4	K0	E.
22	3	K	E.
23	2	K	
24	3	K0	
25	6	A5	
26	3	K0	
27	9	G5	

Cards finished by C. H. W. Aug. 14, 1912.

1	+11°	2613	13	50.1	+11	1.0	8.5	✓
2	+10°	2610	13	51.2	+10	50.8	8.3	✓
3	+10°	2611	13	51.5	+10	0.8	8.7	✓
4	+9°	2835	13	54.2	+9	35.9	6.0	✓
5	+10°	2616	13	57.3	+10	0.4	7.1	✓
6	+10°	2618	13	55.4	+10	23.8	6.6	✓
7	+11°	2620	13	55.3	+11	1.2	7.4	✓
8	+11°	2625	13	56.4	+11	29.9	7.0	✓
9	+11°	2628	13	56.9	+11	58.8	7.0	✓
10	+10°	2618	13	56.2	+10	15.4	8.6	✓
11	+9°	2839	13	55.2	+9	11.6	8.3	✓
12	+9°	2842	13	56.5	+9	11.2	7.9	✓
13	+8°	2809	13	56.4	+8	49.3	8.5	✓
14	+8°	2810	13	56.4	+8	14.0	7.0	✓
15	+7°	2741	13	57.5	+7	42.2	8.0	✓
16	+7°	2746	13	59.2	+7	41.5	7.5	✓
17	+8°	2821	14	2.0	+8	5.0	7.4	✓
18	+8°	2826	14	4.8	+8	33.3	8.5	✓
19	+9°	2858	14	5.1	+9	5.7	8.4	✓
20	+8°	2827	14	5.6	+8	41.7	8.6	✓
21	+7°	2760	14	6.7	+7	48.1	7.8	✓
22	+8°	2829	14	7.0	+8	33.7	8.0	✓
23	+8°	2831	14	7.7	+8	42.3	8.7	✓
24	+9°	2862	14	6.6	+9	22.3	8.3	✓
25	+9°	2863	14	6.7	+9	40.2	8.1	✓
26	+10°	2656	14	8.0	+10	7.6	8.5	✓
27	+10°	2654	14	7.8	+10	47.5	5.3	✓

Cards made out by H. C. W.

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Saturday, July 13, 1912.

I 37744

No.	Int.	Class	Remark
28	2	K0	
29	4	K2	
30	7	A3	Metallic lines strong. 4077+4172 well marked
31	2	G	
32	5	F5	
33	4	F2	
34	1	G5	
35	2	G0	
36	1	K	
37	1	K	
38	2	A3	
39	1	A	
40	1	K	
41	5	G5	
42	2	K	
43	10+	A0	
44	9	A2	
45	7	K0	
46	6	A0	
47	2	G	
48	1	K	
49	2	G5	
50	2	K0	
51	7	F5	
52	1	K	
53	2	G5	
54	5	G5	

28	+10°	2657	14	8.7	+10	59.4	8.7	✓
29	+12°	2677	14	10.6	+12	0.9	7.7	✓
30	+11°	2662	14	11.5	+11	11.1	7.0	✓
31	+12°	2681	14	12.8	+12	13.1	9.1	✓
32	+12°	2684	14	14.4	+12	18.3	8.0	✓
33	+11°	2667	14	14.2	+11	30.2	7.8	✓
34	+10°	2666	14	11.8	+10	26.5	8.8	✓
35	+9°	2875	14	11.4	+9	57.4	8.7	✓
36	+9°	2868	14	8.8	+9	51.6	8.9	✓
37	+9°	2867	14	8.8	+9	23.7	8.8	✓
38	+9°	2871	14	9.4	+9	5.3	9.0	✓
39	+8°	2540	14	11.9	+8	45.5	9.0	✓
40	+9°	2876	14	12.4	+9	29.3	8.6	✓
41	+9°	2878	14	13.2	+9	16.5	8.0	✓
42	+8°	2844	14	13.1	+8	57.1	8.6	✓
43	+9°	2882	14	16.3	+9	6.4	5.0	✓
44	+8°	2857	14	16.9	+8	54.4	7.0	✓
45	+8°	2858	14	17.2	+8	44.8	7.3	✓
46	+9°	2890	14	19.7	+9	1.9	7.9	✓
47	+10°	2670	14	14.3	+10	13.0	8.7	✓
48	+11°	2671	14	16.0	+11	10.7	9.4	✓
49	+12°	2687	14	18.9	+12	18.6	9.5	✓
50	+12°	2691	14	16.7	+12	17.0	9.0	✓
51	+11°	2673	14	17.1	+11	54.5	7.0	✓
52	+11°	2674	14	17.1	+11	35.5	9.0	✓
53	+11°	2675	14	17.3	+11	16.9	9.0	✓
54	+10°	2685	14	19.9	+10	39.0	7.4	✓

cards made out by Miss C. W.

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Saturday, July 13, 1912.

I 37744

No.	Int.	Class	Remark
55	4	K0	
56	5	K0	E.
57	3	G0	E.
58	3	K0	E.
59	7	F5	E.
60	5	F5	E.
61	7	A5	E.
62	3	G0	E.
63	5	G5	
64	7	G5	
65	1	K	
66	6	K0	
67	3	F8	
68	2	G	
69	2	K0	
70	1	K	
71	3	K5	
72	2	G5	
73	2	G	
74	3	A0	
75	4	G0	
76	6	F0	
77	2	K0	
78	7	A2	
79	2	F5	
80	1	G5	
81	5	A3	

55	+10°	2688	14	21.5	+10	58.9	7.7 ✓
56	+11°	2684	14	22.0	+11	41.3	7.8 ✓
57	+10°	2690	14	21.9	+10	12.5	8.5 ✓
58	+9°	2899	14	21.8	+9	49.6	8.5 ✓
59	+8°	2868	14	23.0	+8	59.7	7.7 ✓
60	+7°	2784	14	18.8	+7	53.6	8.5 ✓
61	+12°	2644	13	50.7	+12	40.4	7.6 ✓
62	+13°	2738	13	52.7	+13	12.8	8.5 ✓
63	+13°	2739	13	54.0	+13	49.2	7.8 ✓
64	+14°	2686	13	54.3	+14	26.4	7.3 ✓
65	+14°	2692	13	56.1	+14	20.0	8.7 ✓
66	+13°	2742	13	56.9	+13	25.9	7.0 ✓
67	+12°	2648	13	56.0	+12	36.0	8.3 ✓
68	+12°	2647	13	54.5	+12	7.0	8.4 ✓
69	+12°	2651	13	57.5	+12	17.1	8.7 ✓
70	+12°	2653	13	58.2	+12	51.2	8.9 ✓
71	+11°	2635	13	59.1	+11	31.1	8.1 ✓
72	+10°	2625	13	58.0	+10	42.4	8.6 ✓
73	+10°	2628	13	58.7	+10	44.9	8.7 ✓
74	+10°	2630	13	59.1	+10	35.7	8.4 ✓
75	+10°	2637	13	2.3	+10	56.6	8.0 ✓
76	+10°	2638	14	2.5	+10	56.9	8.0 ✓
77	+12°	2656	14	1.2	+12	7.3	8.9 ✓
78	+12°	2660	14	2.9	+12	3.9	8.0 ✓
79	+12°	2665	14	5.2	+12	6.6	8.9 ✓
80	+12°	2666	14	5.8	+12	18.2	9.0 ✓
81	+11°	2650	14	5.7	+11	44.8	8.4 ✓

Cards made out by M. C. W.

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Saturday, July 13, 1912.

I 37744

Hr.	Int.	Class	Remark
82	2	fg5	
83	2	Kp0	
84	2	fg0	
85	2	fg5:	
86	7	Kp0	
87	3	fg0	
88	9	Fe8	
Time: 12.30 89	7	Kp2	
July 15. 10.30 90	2	Fe5	Partly superposed on 91.
91	1	Fe5	" " " 90.
92	2	fg5	
93	1	Kp0	
94	5	fg5	
95	4	fg5	
96	2	fg5	
96a	1	fg5	
97	2	fg5	
98	2	Fe8	
99	3	Kp2	
100	10	Fe2	
101	1	Kp	
102	1	fg	
103	1	fg5	
104	3	fg5	
105	3	Fe5	
106	4	Fe8	
107	3	Kp0	
108	3	Kp0	

82	+11°	2648	14	4.2	+11	16.8	8.9	✓
83	+10°	2649	14	5.8	+10	32.4	8.7	✓
84	+11°	2651	14	5.9	+11	20.1	9.0	✓
85	+11°	2652	14	7.1	+11	36.1	9.2	✓
86	+12°	2667	14	6.8	+12	40.8	6.8	✓
87	+13°	2762	14	6.4	+13	16.1	8.2	✓
88	+13°	2764	14	7.1	+13	39.6	6.2	✓
89	+14°	2718	14	7.2	+14	40.0	6.8	✓
90	+13°	2765	14	8.1	+13	33.3	8.9	✓
91	+13°	2766	14	8.2	+13	44.7	8.9	✓
92	+13°	2768	14	8.6	+13	6.1	9.0	✓
93	+13°	2770	14	9.8	+13	29.8	8.8	✓
94	+13°	2771	14	9.0	+13	7.3	8.4	✓
95	+12°	2672	14	8.5	+12	29.7	9.0	✓
96	+12°	2671	14	8.4	+12	7.9	9.2	✓
96a	+13°	2774	14	9.8	+13	30.6	9.1	✓
97	+14°	2720	14	10.2	+14	5.0	9.3	✓
98	+14°	2721	14	10.7	+14	24.2	9.0	✓
99	+14°	2722	14	10.9	+14	34.5	8.5	✓
100	+13°	2782	14	12.3	+13	40.9	5.7	✓
101	+12°	2678	14	10.7	+12	50.8	9.1	✓
102	+13°	2779	14	11.5	+13	7.2	9.2	✓
103	+13°	2780	14	11.6	+13	6.0	9.2	✓
104	+13°	2784	14	14.6	+13	24.1	8.7	✓
105	+13°	2788	14	14.9	+13	9.1	8.7	✓
106	+14°	2725	14	15.6	+14	29.9	9.0	✓
107	+14°	2725	14	13.6	+14	34.5	8.8	✓
108	+15°	2695	14	12.5	+15	36.0	8.2	✓

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Monday, July 15, 1912.
I 37744

No.	Int.	Class	Remark
109	7	A2	
110	2	Ly5	
111	4	Ly5	
112	2	F5	
113	2	K0	
114	4	A0	
115	5	K0	
116	2	Ly	
117	4	Ly5	
118	4	Ly5	E.
119	2	F5	
120	2	F2	
121	2	Ly	
122	2	F5	
123	10	F8	E.
124	8	K0	
125	4	K0	
126	3	F2	
127	2	K0	
128	7	Ly5	
129	2	Ly	
130	2	F8	
131	3	Ly5	
132	2	Ly	
133	3	Ly5	
134	8	F5	
135	3	K0	

109	+15°	27 02	14	15.9	+15	36.1	7.7	✓
110	+14°	27 32	14	17.5	+14	23.4	9.1	✓
111	+14°	27 33	14	19.1	+14	5.4	8.0	✓
112	+14°	27 36	14	19.5	+14	16.5	8.7	✓
113	+14°	27 34	14	19.1	+14	14.3	8.5	✓
114	+15°	27 11	14	19.2	+15	0.5	8.7	✓
115	+15°	27 14	14	20.6	+15	24.2	7.0	✓
116	+13°	2798 4	14	17.8	+13	12.6 9.8	9.3	✓ +13° 2795 Lupinfrench
117	+13°	2798	14	20.2	+13	2.7	8.1	✓
118	+12°	27 00	14	22.0	+12	46.0	8.3	✓
119	+11°	2682	14	20.7	+11	30.0	8.8	✓
120	+9°	2889	14	19.0	+9	51.9	9.0	✓
121	+9°	2881	14	16.1	+9	59.0	9.1	✓
122	+10°	26 77	14	15.8	+10	22.9	8.8	✓
123	+14°	2680	13	48.9	+14	47.3	6.7	✓
124	+16°	2653 1	13	51.9 7	+15	22.5 16.3	6.7 8.0	✓
125	+15°	2651 3	13	51.9 9	+15	22.5 16.3	6.7 8.0	✓
126	+16°	2593	13	52.0	+16	16.1	8.3	✓
127	+16°	2598	13	53.8	+16	6.4	7.8	✓
128	+15°	26 58	14 3	56.0	+15	40.8	7.0	✓
129	+14°	2691	13	55.9	+14	58.7	8.7	✓
130	+12 -3°	27 50	14	0.4	+13	16.6	9.0	✓
131	+13°	27 52	14	0.7	+13	12.9	8.7	✓
132	+12°	26 55	14	1.1	+12	36.9	7.2	✓
133	+12°	26 57	14	2.1	+12	56.0	8.9	✓
134	+14°	2704	14	2.3	+14	49.8	8.7	✓
135	+15°	2670	14	2.7	+15	5.7	8.5	✓

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Monday, July 15 1912.
I37744

Nr.	Int.	Class	Remark
136	3	Ly5	
137	8	Y5	
138	5	Y2	
139	3	Ly0	
140	3	A2	
141	4	A3	E.
142	2	Ly5	E.
143	2	Y5	E.
144	2	Ly5	E.
145	7	Y1a	
146	10	Y0	
147	6	Y?	Focus too foor. K looks faint.
148	2	Y	
149			
150			

June: 10.47

cards checked by Ly Aug. 14 1912.

136	+15°	2673	14	3.5	+15	5.0	8.8	✓
137	+16°	2616	14	2.7	+16	18.5	7.0	✓
138	+15°	2674	14	3.8	+15	58.8	7.4	✓
139	+15°	2695	14	4.0	+15	5749.2	8.5	✓
140	+15°	2677	14	4.3	+15	47.3	8.9	✓
141	+16°	2623	14	6.1	+16	33.3	8.2	✓
142	+16°	2627	14	7.8	+16	40.9	8.0	✓
143	+15°	2683	14	7.4	+15	40.0	8.7	✓
144	+16°	2629	14	9.2	+16	14.0	8.7	✓
145	+15°	2690	14	10.6	+15	56.1	6.2	✓
146	+16°	2637	14	12.9	+16	58.2	5.3	✓
147	+16	2642	14	17.3	+16	56.3	7.3	✓
148	+14°	2710	14	4.2	+14	14.2	8.9	✓

Identified August 6. 1912 by M.C.W.
Checked by ame. Aug. 9, 1912
cards made out by M.C.W.

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Monday, July 15, 1912.

Time: 10.51

I 27728

No.	Mt.	Class	Remark
1	3	Jy_5	
2	2	Jy_5	Partly superposed on 1.
3	3	Jy_0	
4	2	Jk_0	
5	10+	Q_2	
6	2	Jk_0	
7	2	Jy_0	
8	3	Jf_8	
9	1	Jy	
10	4	Q_0	
11	5	Jf_8	
12	2	Jf_5	
13	3	Jf_5	
14	2	Jk_0	
15	2	Jf_5	
16	5	Jf_8	
17	1	Jy	
18	2	Jk_0	
19	3	Jk_0	
20	3	Jf_2	
21	4	Jy_5	
22	5	Jf_5	
23	4	Jf_0	
24	5	Jf_5	
25	2	Jf_7	
26	1	Jy	
27	1	Jf	

cards checked Sept 8/14

1	+0°	3118	13	52.3	+0	46.1	7.5	✓
2	+0°	3117	13	52.3	+0	31.6	8.7	✓
3	+1°	2870	13	53.4	+1	52.3	9.0	✓
4	+2°	2759	13	53.8	+2	82.3	8.7	✓
5	+2°	2761	13	54.3	+2	15.0	4.2	✓
6	+1°	2872	13	54.0	+1	42.4	8.7	✓
7	+1°	2871	13	53.9	+1	24.0	8.7	✓
8	+1°	2874	13	54.5	+1	6.1	8.1	✓
9	+0°	3124	13	54.6	+0	55.9	8.7	✓
10	+0°	3126	13	55.2	+0	43.8	8.2	✓
11	+0°	3125	13	56.0	+0	4.5	8.5	✓
12	+0°	3127	13	55.8	+0	38.6	9.1	✓
13	+0°	3130	13	56.6	+0	20.4	8.3	✓
14	+0°	3131	13	57.4	+0	15.6	8.8	✓
15	−0°	2779	13	57.5	−0	17.5	8.7	✓
16	−0°	2780	13	57.8	−0	12.6	8.6	✓
17	−0°	2783	13	59.8	−0	23.8	8.9	✓
18	−0°	2786	14	0.1	−0	22.8	8.4	✓
19	−0°	2787	14	0.7	−0	21.0	8.2	✓
20	−1°	2907	14	0.5	−1	26.9	8.7	✓
21	+0°	3134	14	0.3	+0	29.6	7.5	✓
22	+0°	3135	14	0.5	+0	26.9	7.0	✓
23	+0°	3136	14	0.8	+0	53.7	8.5	✓
24	+0°	3142	14	2.5	+0	2.0	7.5	✓
25	+0°	3144	14	2.8	+0	23.6	8.9	✓
26	+0°	3143	14	2.6	+0	56.9	8.8	✓
27	+1°	2893	14	2.5	+1	9.0	9.0	✓

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Monday, July 15, 1912.

I 37728

No.	Int.	Class	Remark
28	8	A2	
29	2	F8	
30	4	G5	
31	8	F5	
32	10+	B	Burned out.
33	2	K0	
34	3	K0	
35	2	G5	
36	1	K	
37	10	F5	
38	1	G	
39	2	F8	
40	2	G5	
41	4	G0	
42	2	K5	
43	3	F8	
44	4	F5	
45	9	A3	
46	3	K2	
47	6	K6	
48	4	F8	
49	9	K0	
50	2	G	
51	7	A2	
52	8	A0	
53	1	K	
54	3	Ma	

Carbon blacked out

28	+1°	2895	14	3.4	+1	29.5	7.0	✓
29	+0°	3145	14	3.6	+0	56.0	9.0	✓
30	+2°	2782	14	3.9	+2	16.6	8.3	✓
31	+2°	2783	14	4.2	+2	2.9	6.6	✓
32	+3°	2867	14	4.9	+3	5.5	4.8	✓
33	+1°	2897	14	4.4	+1	23.0	8.8	✓
34	+1°	2898	14	5.4	+1	1.5	8.5	✓
35	+1°	2900	14	5.9	+1	42.0	9.0	✓
36	+1°	2901	14	6.3	+1	22.5	9.1	✓
37	-0°	2796	14	6.2	-0	9.4	6.2	✓
38	+0°	3153	14	7.4	+0	55.2	9.0	✓
39	+0°	3158	14	9.6	+0	36.5	8.8	✓
40	+1°	2908	14	9.7	+1	44.1	9.0	✓
41	+1°	2910	14	10.7	+1	49.6	8.4	✓
42	+1°	2911	14	11.4	+1	58.3	8.5	✓
43	+2°	2802	14	12.2	+2	18.3	8.5	✓
44	+2°	2803	14	12.8	+2	36.8	8.3	✓
45	+1°	2913	14	12.3	+1	2.9	6.3	✓
46	+0°	3162	14	12.1	+0	39.6	8.4	✓
47	+0°	3165	14	13.1	+0	50.9	7.0	✓
48	-1°	2937	14	12.0	-1	25.2	7.8	✓
49	-1°	2938	14	12.1	-1	35.4	5.0	✓
50	-0°	2813	14	13.2	-0	57.9	8.6	✓
51	-1°	2943	14	14.5	-1	19.2	6.7	✓
52	+0°	3171	14	15.4	+0	1.5	7.0	✓
53	-0°	2816	14	15.3	-0	33.9	9.0	✓
54	-1°	2951	14	17.1	-1	40.5	7.5	✓

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Monday, July 15, 1912.

I 37728

hr	Int.	Class	Remarks
55	1	K	
56	2	Ly	
57	4	A2	
58	2	Ly5	
59	2	K	
60	3	Ly	E.
61	10	Ly	E.
62	7	F5	E.
63	4	K0	E.
64	8	F0	E.
65	4	Ly5	E.
66	5	K0	
67	4	Ly0	
68	7	K0	
69	2	Ly5	
70	1	K0	
71	1	Ly	
72	5	F5	
73	6	Ly5	
74	5	Ly0	
75	4	Ly0	
76	9	A2	
77	3	F0	
78	1	K	
79	2	Ly5	
80	1	K	
81	1	K	

55	-0°	28'19	14	17'.8	-0	19'.3	8'.8	✓
56	-0°	28'20	14	18'.3	-0	30'.8	8'.8	✓
57	-0°	28'21	14	18'.6	-0	2'.6	8'.5	✓
58	-0°	28'23	14	19'.2	-0	25'.5	8'.7	✓
59	-1°	29'55	14	19'.9	-1	5'.1	8'.4	✓
60	-1°	29'56	14	20'.5	-1	7'.1	8'.3	✓
61	-1°	29'57	14	20'.7	-1	34'.6	5'.0	✓
62	-2°	38'02	14	5'.0	-2	17'.0	8'.0	✓
63	-1°	29'16	14	3'.5	-1	59'.3	8'.0	✓
64	+3°	28'34	13	49'.4	+3	41'.5	7'.2	✓
65	+2°	27'49	13	49'.1	+2	57'.0	7'.9	✓
66	+3°	28'36	13	50'.8	+3	29'.6	7'.7	✓
67	+2°	27'52	13	51'.0	+2	55'.8	8'.5	✓
68	+3°	28'39	13	53'.0	+3	23'.0	7'.5	✓
69	+3°	28'42	13	54'.4	+3	28'.5	8'.6	✓
70	+2°	27'62	13	54'.3	+2	59'.2	9'.0	✓
71	+4°	28'14	13	54'.1	+4	6'.4	9'.3	✓
72	+4°	28'15	13	54'.1	+4	49'.4	8'.2	✓
73	+4°	28'16	13	54'.3	+4	57'.4	7'.5	✓
74	+4°	28'17	13	56'.5	+4	15'.4	7'.8	✓
75	+4°	28'19	13	56'.0	+4	55'.8	8'.5	✓
76	+5°	28'36	13	56'.7	+5	35'.5	6'.5	✓
77	+6°	28'27	13	57'.6	+6	7'.0	8'.5	✓
78	+6°	28'30	13	57'.8	+6	2'.6	8'.7	✓
79	+5°	28'38	13	57'.5	+5	27'.5	8'.8	✓
80	+4°	28'22	13	56'.9	+4	52'.5	9'.0	✓
81	+4°	28'23	13	57'.1	+4	44'.8	9'.1	✓

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Monday, July 15, 1912.
I 37728

No.	Int.	Class	Remark
82	1	fy5	
83	1	fy	
84	2	fy	
85	2	fy5	
86	4	Ir0	
87	8	Ir0	
88	2	Ir0	
89	2	Ir2	
90	4	Fr2	
91	2	Ir0	
92	4	Ir0	
93	2	fy5	
94	1	fy5	
95	2	Fr8	
96	2	Fr5	
97	2	Fr	
98	8	Ir0	
99	2	fy5	
100	1	fy	
101	2	Fr8	
102	1	Fr	
103	5	Fr5	
104	4	Fr8	
105	4	Fr8	
106	2	fy	
107	3	fy5	
108	1	fy	

82	+4°	2825	13	57.5	+4	57.1	9.2	✓
83	+5°	2839	13	57.9	+5	6.2	9.5	✓
84	+5°	2840	13	58.0	+5	14.6	9.0	✓
85	+4°	2826	13	57.6	+4	9.8	9.3	✓
86	+3°	2847	13	57.0	+3	18.4	7.9	✓
87	+2°	2768	13	57.3	+2	59.6	6.7	✓
88	+2°	2769	13	57.6	+2	39.2	8.5	✓
89	+2°	2768	13	54.2	+2	28.7	8.8	✓
90	+2°	2771	13	58.7	+2	12.8	8.5	✓
91	+1°	2884	13	58.9	+1	39.3	9.0	✓
92	+1°	2889	13	59.5	+1	37.6	8.1	✓
93	+1°	2885	13	59.0	+1	9.0	9.1	✓
94	+2°	2770	13	58.6	+2	45.6	8.8	✓
95	+3°	2851	13	58.7	+3	55.9	8.9	✓
96	+4°	2829	13	58.8	+4	9.8	9.2	✓
97	+2°	2772	13	59.4	+2	37.0	9.0	✓
98	+3°	2859	14	2.1	+3	28.9	7.0	✓
99	+1°	2891	14	2.0	+1	54.3	8.8	✓
100	+1°	2892	14	2.4	+1	55.6	9.2	✓
101	+2°	2781	14	3.9	+2	52.7	8.6	✓
102	+3°	2863	14	3.5	+3	45.4	8.8	✓
103	+4°	2830	14	2.7	+4	42.4	8.5	✓
104	+5°	2852	14	3.7	+5	6.0	8.6	✓
105	+5°	2854	14	4.3	+5	41.6	8.8	✓
106	+4°	2836	14	3.9	+4	15.5	9.5	✓
107	+4°	2837	14	3.1	+4	31.8	8.8	✓
108	+4°	2838	14	3.7	+4	22.1	9.3	✓

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Monday. July 15 1912.
I 37728

No.	Int.	Class	Remarks
109	5	F8	
110	2	K2	
111	1	G	
112	7	Ma	
113	8	F8	
114	3	F8	
115	2	K2	
116	2	G	Partly superposed on 117.
117	3	G5	
118	2	K5	
119	1	K	
120	4	G5	
121	6	F8	
122	7	K0	
123	3	G5	
124	3	Ma	
125	4	G0	
126	2	F8	
127	2	G5	
128	4	K2	
129	4	K5	
130	4	G5	
131	1	K	
132	7	K2	
133	3	K0	
134	9	G0	
135	1	K	Partly superposed on 136.

109	+4°	2839	14	6.4	+4	59.1	8.5	J
110	+4°	2840	14	6.9	+4	38.8	8.8	J
111	+4°	2842	14	7.7	+4	27.5	9.2	J
112	+4°	2841	14	7.6	+4	0.4	6.7	V
113	+3°	2874	14	8.0	+3	48.1	7.5	J
114	+3°	2873	14	7.7	+3	28.7	8.1	J
115	+3°	2872	14	7.3	+3	10.4	8.5	J
116	+2°	2793	14	7.2	+2	19.5	8.9	J
117	+2°	2794	14	7.3	+2	29.4	8.7	J
118	+2°	2795	14	7.6	+2	34.9	8.5	J
119	+3°	2876	14	8.5	+3	19.8	9.2	J
120	+3°	2877	14	9.7	+3	45.7	8.0	V
121	+4°	2844	14	10.4	+4	26.5	8.2	J
122	+4°	2847	14	11.2	+4	21.4	7.5	V
123	+4°	2848	14	11.6	+4	34.2	8.7	J
124	+4°	2849	14	11.8	+4	51.2	8.7	J
125	+4°	2850	14	12.4	+4	40.8	8.5	J
126	+4°	2852	14	13.5	+4	57.9	8.8	J
127	+5°	2870	14	15.0	+5	52.4	8.7	V
128	+4°	2859	14	15.8	+4	37.5	8.0	J
129	+4°	2855	14	15.1	+4	7.7	8.3	J
130	+4°	2857	14	15.4	+4	19.0	8.5	J
131	+3°	2883	14	15.2	+3	25.2	8.9	J
132	+2°	2806	14	15.4	+2	56.3	7.8	J
133	+2°	2807	14	15.4	+2	20.2	8.7	J
134	+1°	2920	14	15.9	+1	58.6	6.5	J
135	+2°	2818	14	16.8	+2	186.4	9.8	J

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Monday, July 15, 1912.

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No.	Int	Class	Remarks
136	2	fg5	
137	2	fg5	
138	2	Jf0	
139	1	K	
140	8	A2	Metallic lines strong
141	1	Ma?	
142	1	fg5	
143	4	fg0	
144	7	A0	
145	5	A0	
146	2	Jf0	
147	10	A3	
148	2	fg5	
149	2	Jf0	
150	2	fg0	
151	5	fg5	E.
152	2	fg	E.
153	3	fg	E.
154	3	Jf2	
155	5	fg0	
156	3	Jf2	
157	2	fg	
158	3	Jf8	E.
159	1	fg	
160	3	fg0	
161	4	A0	
162	3	fg	

136	+2°	2812	14	16.5	+2	23.5	9.0	✓
137	+2°	2813	14	17.1	+2	36.4	8.5	✓
138	+2°	2814	14	18.0	+2	12.3	9.2	✓
139	+2°	2815	14	18.0	+2	25.5	9.2	✓
140	+1°	2927	14	18.6	+1	39.1	7.0	✓
141	+1°	2925	14	18.5	+1	25.2	9.5	✓
142	+1°	2928	14	18.7	+1	31.8	9.0	✓
143	+1°	2933	14	19.6	+1	46.4	8.2	✓
144	+2°	2821	14	19.7	+2	23.0	7.7	✓
145	+2°	2826	14	21.5	+2	16.7	8.0	✓
146	+1°	2939	14	21.6	+1	42.9	8.9	✓
147	+1°	2941	14	22.5	+1	28.0	6.1	✓
148	+0°	3173	14	16.2	+0	42.7	9.0	✓
149	+0°	3178	14	17.2	+0	41.1	8.7	✓
150	+1°	2924	14	17.8	+1	2.5	8.8	✓
151	+5°	2820	13	50.7	+5	49.4	7.8	✓
152	+6°	2815	13	51.1	+6	18.9	8.8	✓
153	+6°	2817	13	52.2	+6	22.0	8.5	✓
154	+5°	2827	13	52.6	+5	16.4	8.8	✓
155	+4°	2811	13	52.7	+4	59.7	8.7	H5 3828 Superposed magn. 8.7
156	+5°	2829	13	52.8	+5	24.6	8.7	✓
157	+5°	2830	13	53.0	+5	33.7	8.8	✓
158	+6°	2819	13	54.8	+6	48.8	8.6	✓
159	+6°	2820	13	54.2	+6	37.0	9.0	✓
160	+6°	2824	13	56.1	+6	39.4	9.0	✓
161	+6°	2839	13	0.4	+6	15.4	8.8	✓
162	+6°	2946	14	1.4	+6	43.6	8.8	✓

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Thursday July 15, 1915.
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Nr.	Int.	Class	Remark
163	3	$fg5$	
164	2	K	
165	5	Fo	
166	7	$A3$	
167	1	K	
168	3	$fg5$	
169	2	Ko	
170	4	Ko	
171	7	Ao	
172	6	$F5$	
173	3	$fg5$	
174	3	$F5$	
175	2	K	
176	1	K	
177	7	$F2$	
178	1	K	
179	3	fg	Another star superposed?
180	5	$A5$	
181	5	Ko	
182	10+	$A2$	
183	6	Ko	
184	6	$A3$	
185	5	$F2$	

Time: 11.26

Checked by E.F.G. Aug 13, 1917.

163	+5°	2847.6	14	2.0	+5	20 39.6	8.9	/
164	+5°	2847	14	2.2	+5	37.6	8.7	✓
165	+6°	2846	14	3.5	+6	29.3	8.0	✓
166	+6°	2846	14	6.2	+6	4.4	7.8	✓
167	+5°	2857	14	5.7	+5	38.7	9.0	✓
168	+5°	2860	14	7.5	+5	23.4	9.2	/
169	+5°	2862	14	8.9	+5	50.0	9.0	✓
170	+6°	2862	14	8.9	+6	33.8	9.0	✓
171	+6°	2863	14	9.1	+6	44.2	7.3	✓
172	+6°	2864	14	9.3	+6	11.6	8.3	✓
173	+5°	2864	14	9.9	+5	27.2	8.7	/
174	+7°	2766	14	9.9	+7	25.1	8.8	✓
175	+6°	2867	14	11.4	+6	54.8	8.9	/
176	+6°	2868	14	12.2	+6	31.0	9.0	/
177	+6°	2869	14	12.4	+6	32.8	8.2	✓
178	+7°	2872	14	14.2	+7	6.4	9.1	✓
179	+7°	2774	14	15.2	+7	40.4	8.7	✓
180	+8°	2775	14	16.4	+7	4.1	8.3	✓
181	+6°	2874	14	16.8	+6	28.3	7.9	✓
182	+6°	2875	14	17.0	+6	28.6	5.5	✓
183	+6°	2878	14	17.8	+6	16.1	7.7	✓
184	+5°	2879	14	18.7	+5	30.3	7.8	/
185	+4°	2862	14	18.1	+4	36.0	8.3	✓
186								
187								
188								

Identified by M.C.W. Aug. 5, 1915.
Checked by AMC Aug. 7, 1915
cards made out by M.C.W.

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Tuesday, July 16, 1912

Time: 11.22

I 37688

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

1	+0°	3185	14	20.4	+0	45.3	8.8	✓
2	+0°	3186	14	20.7	+0	1.7	8.8	✓
3	+0°	3192	14	22.2	+0	55.0	8.9	✓
4	+0°	3195	14	23.2	+0	8.0	9.1	✓
5	+0°	3196	14	23.8	+0	25.9	9.0	✓
6	+1°	2943	14	23.7	+1	54.5	8.9	✓
7	+2°	2833	14	23.9	+2	9.2	8.6	✓
8	+2°	2834	14	24.4	+2	28.1	8.7	✓
9	+2°	2836	14	27.0	+2	19.0	8.5	✓
10	+1°	2945	14	26.5	+1	29.4	9.0	✓
11	+1°	2947	14	26.9	+1	21.7	9.3	✓
12	+1°	2948	14	27.8	+1	19.9	9.0	✓
13	+0°	3206	14	28.4	+0	52.4	8.3	✓
14	+0°	3207	14	28.6	+0	51.0	7.8	✓
15	+1°	2955	14	29.4	+1	17.5	9.1	✓
16	+1°	2952	14	28.8	+1	57.5	8.8	✓
17	+2°	2837	14	28.4	+2	53.4	8.4	✓
18	+2°	2844	14	30.2	+2	64.5	6.9	✓
19	+2°	2846	14	30.9	+2	39.7	8.6	✓
20	+1°	2961	14	32.1	+1	58.2	9.0	✓
21	+1°	2959	14	30.9	+1	30.5	9.0	✓
22	+1°	2957	14	30.2	+1	3.3	8.6	✓
23	-0°	2845	14	27.3	-0	46.7	8.7	✓
24	+0°	3211	14	30.0	+0	8.8	8.8	✓
25	+0°	3216	14	32.0	+0	23.3	8.5	✓
26	+0°	3223	14	34.0	+0	44.2	7.5	✓
27	+1°	2964	14	34.4	+1	15	8.1	✓

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No.	Int.	Class	Remark
28	3	K0	
29	5	ly5	
30	8	A0	
31	2	ly5	
32	2	ly5	
33	4	ly5	
34	2	F8	
35	7	ly0	
36	2	ly0	
37	1	K0	
38	6	ly5	
39	1	ly5	
40	3	K2	
41	10+	A	Burned out.
42	8	A2	
43	3	ly5	
44	7-9	A0	
45	4	ly0	
46	6	K0	
47	5	A3	E.
48	7	A2	E.
49	4	ly5	E.
50	3	k	E.
51	8	K2	E.
52	2	K5	
53	6	A2	
54	3	ly5	

28	+2°	28°53	14h	34m.6	+2s	15s.2	8.0	✓
29	+2°	28°54	14h	35m.2	+2s	54s.5	8.1	✓
30	+2°	28°55	14h	35m.9	+2s	26s.7	7.7	✓
31	+3°	29°26	14h	35m.6	+3s	17s.0	8.8	✓
32	+3°	29°28	14h	35m.8	+3s	42s.1	9.3	✓
33	+4°	29°09	14h	37m.7	+4s	5s.7	7.8	✓
34	+3°	29°32	14h	37m.8	+3s	55s.7	9.0	✓
35	+4°	29°14	14h	39m.0	+4s	7s.3	7.6	✓
36	+4°	29°15	14h	39m.9	+4s	15s.0	9.0	✓
37	+3°	29°35	14h	39m.3	+3s	38s.0	8.9	✓
38	+3°	29°38	14h	40m.0	+3s	19s.4	8.2	✓
39	+3°	29°33	14h	38m.0	+3s	15s.2	9.0	✓
40	+2°	28°58	14h	37m.4	+2s	38s.6	8.5	✓
41	+2°	28°62	14h	38m.9	+2s	29s.6	4.0	✓
42	+2°	28°65	14h	40m.1	+2s	39s.8	7.7	✓
43	+1°	29°80	14h	39m.7	+1s	59s.8	8.8	✓
44	+1°	29°81	14h	39m.7	+1s	34s.8	7.2	✓
45	+2°	28°63	14h	39m.8	+2s	12s.7	8.9	✓
46	+2°	28°69	14h	42m.3	+2s	6s.3	8.1	✓
47	+1	29°88	14h	43m.8	+1s	8s.1	8.4	✓
48	+0°	32°49	14h	42m.6	+0s	36s.1	7.9	✓
49	+0°	32°50	14h	43m.1	+0s	45s.9	8.5	✓
50	+0°	32°51	14h	43m.4	+0s	2s.7	8.4	✓
51	+0°	32°53	14h	43m.6	+0s	20s.1	6.5	✓
52	-0°	28°55	14h	34m.1	-0s	43s.8	7.8	✓
53	-1°	29°73	14h	34m.0	-1s	24s.2	7.7	✓
54	-1°	29°78	14h	33m.5	-1s	47s.8	8.0	✓

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Tuesday, July 16, 1912.

Σ 37688

No.	Fnt.	Class	Remarks
55	7	Ae	
56	8	Ma	
57	7	Ko	
58	2	Ks	
59	5	Gs	
60	10	A	Burned out.
61	2	F8	
63	5	Go	
63	6	Ko	
64	4	Ko	
65	2	Ko	
66	7	Ks	
67	2	K	
68	8	F8	
69	3	Ko	
70	5	Ko	
71	6	Ma	
72	7	F2	
73	3	F8	
74	4	F5	
75	7	F2	
76	2	G	
77	4	Go	
78	5	F5	
79	2	G5	
80	3	Ko	
81	3	Ks	

55	−1°	2981	14h 36m	36.3	−1	53.3	7.0	J
56	−0°	2867	14	37.7	−0	48.0	6.0	✓
57	−0°	2875	14	38.9	−0	12.7	7.7	J
58	+0°	3234	14	38.2	+0	15.7	8.5	J
59	+0°	3243	14	40.1	+0	19.9	8.5	✓
60	−0°	2886	14	41.5	−0	14.7	6.7	J
61	+3°	2892	14	19.8	+3	44.8	9.5	J
62	+4°	2864	14	19.7	+4	20.0	8.5	✓
63	+4°	2865	14	20.5	+4	16.9	8.0	J
64	+4°	2866	14	20.7	+4	52.8	8.5	J
65	+4°	2869	14	21.3	+4	26.0	8.8	J
66	+4°	2871	14	21.7	+4	22.1	7.5	J
67	+3°	2894	14	20.7	+3	28.1	9.0	J
68	+3°	2896	14	21.3	+3	25.8	7.3	(
69	+4°	2875	14	23.9	+4	8.4	8.5	J
70	+4°	2877	14	24.7	+4	21.3	8.5	J
71	+4°	2878	14	25.0	+4	47.6	7.5	✓
72	+4°	2879	14	25.7	+4	19.3	8.0	✓
73	+3°	2900	14	25.2	+3	46.9	9.0	✓
74	+3°	2905	14	26.6	+3	58.2	8.8	✓
75	+4°	2885	14	28.3	+4	6.1	7.7	J
76	+3°	2903	14	26.6	+3	12.9	8.7	✓
77	+5°	2890	14	26.5	+5	8.3	8.6	J
78	+4°	2881	14	27.1	+4	49.4	8.8	✓
79	+4°	2882	14	27.7	+4	55.4	9.0	✓
80	+4°	2883	14	27.9	+4	43.9	8.8	J
81	+3°	2909	14	29.4	+3	28.3	8.5	✓

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Lusday, July 16, 1912.
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No.	Int.	Class	Remark
82	3	Fo	
83	4	Go	
84	4	Fo	
85	3	Go	
86	3	Go	
87	7	Ko	
88	2	Ko	
89	3	Go	
90	5	Ko	
91	4	Fo	
92	4	Go	
93	2	Fo	
94	5	Go	
95	2	Go	
96	2	Go	Partly superposed on 95.
97	2	Ko	
98	3	Go	
99	3	Go	
100	5	Go	
101	3	Go	
102	5	Go	
103	3	Go	
104	5	Ao	
105	5	Go	
106	7	Ko	
107	7	Ao	
108	3	Ko	E.

82	+3°	29.11	14	30.1	+3	40.7	9.0	✓
83	+3°	29.12	14	30.5	+3	57.1	8.8	✓
84	+4°	28.92	14	30.7	+4	12.4	9.0	✓
85	+4°	28.89	14	30.4	+4	33.8	9.0	✓
86	+5°	28.89	14	31.2	+5	30.3	8.6	✓
87	+5°	29.03	14	32.9	+5	41.3	8.0	✓
88	+6°	29.24	14	33.1	+6	5.3	8.7	✓
89	+5°	29.10	14	35.3	+5	17.2	8.9	✓
90	+5°	29.12	14	35.4	+5	7.3	8.3	✓
91	+4°	29.04	14	35.6	+4	41.2	8.7	✓
92	+4°	29.02	14	34.9	+4	33.9	8.7	✓
93	+4°	29.01	14	34.8	+4	30.1	9.1	✓
94	+4°	28.99	14	34.0	+4	4.2	8.0	✓
95	+3°	29.18	17	32.3	+3	43.2	8.8	✓
96	+3°	29.17	14	32.3	+3	32.7	9.2	✓
97	+3°	29.16	14	31.9	+3	6.0	8.9	✓
98	+4°	29.07	14	36.5	+4	38.4	9.0	✓
99	+5°	29.15	14	38.0	+5	8.3	8.5	✓
100	+5°	29.16	14	38.5	+5	9.4	8.7	✓
101	+5°	29.18	14	38.9	+5	49.0	8.8	✓
102	+5°	29.19	14	39.5	+5	33.8	8.6	✓
103	+5°	29.21	14	39.9	+5	4.9	8.8	✓
104	+4°	29.16	14	40.1	+4	56.7	8.7	✓
105	+3°	29.39	14	41.2	+3	53.9	8.4	✓
106	+4°	29.24	14	42.5	+4	29.6	7.8	✓
107	+4°	29.25	14	42.6	+4	31.6	8.0	✓
108	+5°	29.28	14	42.2	+5	10.9	8.9	✓

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Tuesday, July 16, 1912.
I 37688

No.	Int.	Class	Remark
109	9	F5	E. Focus poor.
110	4	A2	
111	7	K0	
112	5	K0	
113	5	F0	
114	3	K0	
115	4	Ma	
116	3	K5	
117	2	K2	
118	4	G0	
119	8	K2	
120	8	G5	
121	3	K0	
Time: 11.47 122	2	K0	
123			
124			
125			

109	+6°	2946	14	41.7	+6	33.4	7.5	✓
110	+6°	2899	14	18.7	+6	20.3	8.7	✓
111	+6°	2883	14	19.5	+6	36.2	7.5	✓
112	+6°	2884	14	19.8	+6	37.0	7.8	✓
113	+5°	2880	14	20.0	+5	55.2	8.4	✓
114	+6°	2887	14	20.5	+6	29.4	8.6	✓
115	+6°	2891	14	21.3	+6	20.3	7.6	✓
116	+5°	2882	14	21.4	+5	51.4	8.5	✓
117	+6°	2892	14	21.4	+6	39.7	8.3	✓
118	+6°	2895	14	22.9	+6	55.8	8.7	✓
119	+5°	2886	14	23.5	+5	25.0	6.3	✓
120	+5°	2889	14	25.8	+5	58.2	7.2	✓
121	+6°	2907	14	26.4	+6	27.7	8.8	✓
122	+6°	2912	14	27.6	+6	46.3	8.5	✓

Identified by M. C. W. Aug. 5, 1912
Checked by ANC. Aug. 9, 1912
cards made out by M. C. W.
Cards checked by ANC

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Tuesday, July 16, 1912.

Time: 12.37

I 37743

No.	Int.	Class	Remark
1	6	F5	
2	3	K2	
3	2	K0	
4	5	F2	
5	4	F5	
6	4	Mb	
7	3	K0	
8	7	F8	
9	3	A2	
10	2	F8	
11	3	F5	
12	7	K5	
13	2	K5	
14	4	G0	
15	5	G0	
16	4	G0	C.
17	5	F5	
18	2	G	Partly superposed on 19.
19	4	K0	
20	5	K0	
21	2	G0	
22	4	K5	
23	2	G0	
24	3	G5	
25	3	G	Partly superposed on 26.
26	3	G5	
27	7	K2	

1	+74°	440	10	29.6	+74	31.8	7.3
2	+75°	419	10	28.6	+75	39.0	8.8
3	+75°	424	10	36.1	+75	17.9	8.4
4	+74°	446	10	39.4	+74	55.3	8.1
5	+75°	425	10	39.8	+75	48.3	8.6
6	+75°	429	10	46.6	+75	7.1	8.0
7	+74°	448	10	47.3	+74	27.2	8.6
8	+74°	452	10	52.5	+74	24.6	8.2
9	+73°	514	10	53.0	+73	52.5	8.6
10	+74°	453	10	54.5	+74	14.1	8.9
11	+73°	518	11	1.6	+73	53.5	8.5
12	+74°	456 456a	11	5.6	+74	15.6	7.8 8.0
13	+74°	457	11	6.2	+74	48.5	8.9
14	+75°	440	11	10.7	+75	12.7	8.8
15	+74°	459	11	13.9	+74	32.8	8.6
16	+73°	522	11	14.7	+73	25.5	8.0
17	+74°	464	11	26.2	+74	11.7	7.8
18	+74°	469	11	30.7	+74	28.0	8.8
19	+74°	470	11	31.2	+74	40.2	7.8
20	+75°	455	11	30.8	+75	49.6	7.8
21	+75°	454	11	30.2	+75	51.5	9.0
22	+75°	448 450	11	28.8 28.1	+75	52.2 52.2	8.0
23	+75°	449	11	27.5	+75	37.4	9.1
24	+75°	445	11	24.3	+75	58.1	8.8
25	+75°	427	11	23.5	+75	20.8	9.1
26	+75°	429	11	24.0	+76	34.1	9.3
27	+73°	532	11	36.3	+73	57.4	6.8

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Tuesday, July 16, 1912.
I 37748

No.	Int.	Class	Remark
28	3	K2	
29	3	A0	E.
30	5	K0	
31	8	F8	
32	4	F2	
33	4	G	E.
34	5	A3	
Time: 12.47 35	6	F2	E.
36			

36 4 K0

28	+73°	528	11	29.1	+73	41.8	8.7 J
29	+73°	531	11	31.0	+73	21.1	8.5 J
30	+74°	475	11	45.4	+74	5.8	7.5 J
31	+74°	476	11	45.8	+74	33.5	6.7 J
32	+74°	477	11	46.8	+74	35.3	8.8 J
33	+74°	479	11	50.3	+74	35.2	8.8 J
34	+72°	551	11	46.5	+72	57.0	8.0 J
35	+72°	550	11	46.3	+72	43.2	7.1 J

Identified by AMC Aug. 10, 1912
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cards made out by M. C. W.

J 36 +75 438 11 7.5 +75 8 7.4 com 37465

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Tuesday, July 16, 1912.

Time: 12.45

I 37 554 (additional stars) cmb. from Bk 37, 128

	No.	Int.	Class	Remarks
Nos. enclosed in red ink.	1	3	Ly0	
	2	3	K0	
	3	3	A2	
	4	2	G	
	5	3	A0	
	6	3	K0	
	7	2	Ly5	
	8	2	K0	
	9	2	Ly5	
	10	2	Ly5	
	11	2	Ly5	
	12	3	Ma	
	13	2	K5	
	14	2	Ly0	
	15	2	K0	
	16	2	K0	
	17	2	Ly0	
	18	1	K0	
	19	3	K5	
	20	2	G5	
	21	3	K5	
	22	3	Ly5	
	23	3	Ly5	
	24	2	Ly5	
	25	3	A0	
	26	2	Ly5	
	27	2	K0	

1	+67°	673	10	44.0	+67	36.4	8.6	✓
2	+68°	624	10	49.0	+68	22.2	8.3	✓
3	+68°	626	10	52.4	+68	36.1	9.0	✓
4	+68°	627	10	53.4	+68	9.5	9.0	✓
5	+68°	628	10	54.0	+68	31.0	9.2	✓
6	+67°	679	10	55.3	+67	8.0	9.0	✓
7	+67°	682	10	58.0	+67	21.3	9.2	✓
8	+67°	683	10	59.6	+67	59.1	8.9	✓
9	+68°	630	10	56.3	+68	20.7	9.3	✓
10	+68°	629	10	54.6	+68	46.7	9.5	✓
11	+68°	631	10	57.8	+68	59.5	9.5	✓
12	+69°	600	10	58.4	+69	9.3	8.2	✓
13	+69°	599	10	53.9	+69	29.0	9.2	✓
14	+69°	598	10	53.2	+69	57.8	9.2	✓
15	+70°	644	10	53.5	+70	1.3	8.9	✓
16	+70°	646	10	56.3	+70	13.5	8.9	✓
17	+70°	647	10	58.1	+70	19.9	8.6	✓
18	+70°	648	10	58.5	+70	24.4	9.3	✓
19	+71°	558	10	54.8	+71	10.0	8.6	✓
20	+69°	606	11	13.5	+69	34.4	9.4	✓
21	+69°	607	11	17.8	+69	22.0	8.5	✓
22	+69°	611	11	22.5	+69	25.5	8.9	✓
23	+69°	613	11	23.9	+69	49.0	8.8	✓
24	+69°	615	11	24.4	+69	46.1	9.0	✓
25	+68°	649	11	24.6	+68	50.1	9.5	✓
26	+69°	616	11	25.2	+69	2.9	9.4	✓
27	+68°	648	11	23.9	+68	29.9	8.7	✓

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Tuesday, July 16, 1912.

I 37554

No.	Int.	Class	Remark
28	1	g_5	
29	3	K_0	
30	2	g_5	
31	2	K_0	
32	2	K_0	
33	2	K_0	
34	2	g_5	
35	3	g_0	
36	2	K_0	
37	3	K_0	
38	4	F_5	
39	3	F_5	
40	2	F_8	
41	2	K_0	
42	2	g_5	
43	3	K_0	
44	4	F_8	
45	2	g	focus from
46	4	F_5	
47	2	g_5	
48	2	g_5	
49	4	g_5	
50	2	g_5	
51	2	g_0	
52	2	g_5	
53	2	g_5	
54	2	A	Another star on surface prod?

	appox pos. (1903)						
28	not in Cat.	11	31.4	+69	22		
29	+69°	621	11	32.8	+69	15.7	9.0 J
30	+68°	658	11	34.2	+68	59.5	8.8 J
31	+68°	659	11	34.4	+68	31.3	8.8 J
32	+68°	661	11	40.4	+68	47.3	9.1 J
33	+69°	629	11	44.8	+69	11.7	9.0 J
34	+70°	675	11	40.4	+70	7.0	9.2 J
35	+70°	677	11	41.9	+70	51.2	9.0 J
36	+71°	591	11	48.7	+71	6.4	8.5 J
37	+70°	679	11	51.0	+70	48.3	8.6 J
38	+71°	594	11	52.3	+71	8.9	8.7 J
39	+70°	681	11	51.8	+70	39.4	8.6 J
40	+70°	680	11	51.5	+70	19.7	8.7 J
41	+71°	562	11	3.5	+71	32.9	9.0 J
42	+71°	563	11	3.8	+71	47.5	9.3 J
43	+72°	537	11	6.6	+72	7.6	8.8 J
44	+72°	524	11	4.6	+72	33.8	9.0 J
45	+73°	520	11	8.0	+73	8.8	9.0 J
46	+73°	522	11	14.7	+73	25.5	8.8 J
47	+73°	524	11	17.3	+73	10.0	8.8 J
48	+73°	526	11	23.1	+73	20.6	9.0 J
49	+71°	576	11	26.6	+71	35.9	8.5 J
50	+71°	578	11	28.9	+71	21.3	9.5 J
51	+71°	581	11	29.8	+71	17.8	9.1 J
52	+71°	582	11	30.1	+71	32.5	9.0 J
53	+71°	583	11	33.3	+71	44.4	9.1 J
54	+72°	542	11	34.8	+72	10.4	9.2 J

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Tuesday, July 16, 1912.
I 37554

No.	Fxt.	Class	Remark
55a	3	K0	
56	2	K0	
57	3	A5	
58	4	F5	E.
59a	5	A0	E.
60	4	F5	
61	1	K	
62	3	G5	
63	2	G5	
Time 1.00	64a 3	G5	

55a	+71°	588	11	43.1	+71	54.6	8.0 J
56	+72°	584	11	48.9	+72	35.4	8.5 J
57	+72°	549	11	43.9	+72	46.7	8.6 J
58	+72°	554	11	52.0	+72	23.2	8.0 J
59a	+72°	558	12	0.7	+72	33.6	8.3 J
60	+72°	562	10	36.9	+72	25.2	8.0 J
61	+72°	561	10	35.5	+72	42.9	8.9 J
62	+71°	552	10	44.0	+71	24.1	8.8 J
63	+71°	554	10	49.0	+71	22.8	9.1 J
64	+70°	637	10	45.6	+70	31.8	8.5 v

Identified by AMC. Oct. 3, 1912
checked by M. C. W. Oct. 18. 1912.
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Wednesday, July 17, 1912.

I 577 46

Time: 10.00

	No.	Int.	Class	Remark
	1	4	$\frac{1}{4}$	E.
	2	3	$\frac{+2}{4}$	E.
	3	3	$\frac{+5}{4}$	Partly superposed on 4.
	4	7	$\frac{1}{10}$	
10.01	5	4	$\frac{+8}{4}$	
10.05	6	5	$\frac{+5}{4}$	
	7	2	Na	
	8	1	$\frac{1}{4}$	
	9	3	$\frac{1}{10}$	
~~10.01~~	10	10	$\frac{1}{20}$	
	11	4	$\frac{1}{2}$	Line 4077 44 4135-31 strong.
	12	5	$\frac{1}{10}$	
	13	2	$\frac{1}{5}$	
	14	2	$\frac{1}{10}$	
	15	2	$\frac{1}{50}$	
	16	1	$\frac{1}{?}$	
	17	2	$\frac{1}{50}$	
	18	2	$\frac{1}{25}$	
	19	3	$\frac{1}{25}$	
	20	9	$\frac{1}{29}$	E.
	21	2	$\frac{1}{4}$	E.
	22	4	$\frac{1}{25}$	E.
	23	10	$\frac{1}{35}$	E.
	24	5	$\frac{1}{25}$	
	25	6	Mn	
	26	5	$\frac{1}{10}$	
	27	3	$\frac{1}{50}$	

1	+58°	1591	15	41.7	+58	53.2	7.1
2	+59°	1675	15	42.9	+59	45.9	7.0
3	+59°	1678	15	44.6	+59	56.8	8.2
4	+60°	1655	15	44.7	+60	1.7	6.0
5	+61°	1536	15	44.9	+61	27.3	7.9
6	+60°	1637	15	46.7	+60	58.0	7.4
7	+61°	1539	15	46.2	+61	52.5	8.6
8	+61°	1540	15	46.7	+61	55.5	9.3
9	+61°	1543	15	47.4	+61	47.0	8.0
10	+63°	1225	15	44.5	+63	2.9	5.8
11	+62°	1431	15	46.3	+62	47.6	8.0
12	+63°	1228	15	47.1	+63	35.7	7.8
13	+63°	1231	15	48.6	+63	22.8	9.1
14	+63°	1229	15	48.3	+63	7.2	9.2
15	+62°	1433	15	48.4	+62	33.2	9.3
16	+62°	1435	15	50.4	+62	45.8	9.1
17	+62°	1439	15	53.2	+62	35.2	8.9
18	+61°	1549	15	52.4	+61	57.6	9.1
19	+60°	1639	15	50.3	+60	33.1	8.8
20	+59°	1691	15	52.0	+59	19.9	6.6
21	+60°	1643	15	56.0	+60	10.7	8.4
22	+59°	1694	15	57.6	+59	20.8	7.8
23	+58°	1608	15	59.7	+58	56.8	3.5
24	+60°	1645	15	59.3	+60	1.8	7.5
25	+59°	1697	16	0.5	+59	48.1	6.3
26	+59°	1698	16	1.1	+59	29.0	7.2
27	+59°	1699	16	1.6	+59	45.7	8.4

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Wednesday, July 17. 1912.
I 37 7 46

No.	Int.	Class	Remark
28	4	K0	
29	2	gc	
30	2	K0	
31	2	F8	
32	2	F5	
33	2	F5	
34	4	K5	
35	2	g5	Partly superposed on 34.
36	5	A3	
37	3	g5	
38	2	F5	
39	6	B9	
40	3	A0	
41	2	g	
42	9	A0	
43	2	F8	
44	4	gc	
45	4	F5	
46	4	A0	
47	2	K0	
48	5	g5	
49	1	g	
50	4	K0	
51	4	g5	
52	2	g5	
53	9	Ma	
54	3	F0	

28	+60°	1653	16	2.3	+60	26.2	7.0 ✓
29	+60°	1654	16	2.5	+60	37.7	9.0 ✓
30	+60°	1649	16	0.5	+60	57.1	8.0 ✓
31	+60°	1646	15	59.5	+60	54.0	8.5 ✓
32	+61°	1551	15	56.5	+61	15.3	9.0 ✓
33	+61°	1552	15	56.6	+61	52.2	9.3 ✓
34	+62°	1445	15	58.5	+62	29.2	7.6 ✓
35	+62°	1447	15	58.6	+62	21.5	8.8 ✓
36	+61°	1557	16	1.2	+61	43.5	7.6 ✓
37	+62°	1450	16	1.4	+62	7.1	8.1 ✓
38	+61°	1561	16	3.4	+61	58.3	8.8 ✓
39	+62°	1454	16	4.0	+62	0.8	8.0 ✓
40	+61°	1567	16	4.5	+61	47.0	9.0 ✓
41	+61°	1568	16	5.4	+61	10.0	8.8 ✓
42	+60°	1658	16	7.5	+60	15.1	6.8 ✓
43	+59°	1703	16	7.5	+59	40.1	8.5 ✓
44	+60°	1659	16	8.3	+60	3.3	7.8 ✓
45	+59°	1704	16	8.8	+59	49.1	7.5 ✓
46	+60°	1660	16	8.5	+60	18.2	8.5 ✓
47	+61°	1571	16	9.4	+61	33.2	8.8 ✓
48	+61°	1574	16	12.7	+61	1.0	7.5 ✓
49	+61°	1575	16	13.0	+61	8.1	9.2 ✓
50	+61°	1577	16	14.0	+61	14.5	7.8 ✓
51	+60°	1664	16	14.6	+60	53.1	7.8 ✓
52	+60°	1662	16	13.0	+60	36.2	8.6 ✓
53	+60°	1665	16	14.8	+60	4.9	5.5 ✓
54	+60°	1666	16	16.2	+60	2.4	8.5 ✓

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Wednesday, July 17, 1912.

I 37746

No.	Int.	Class	Remark
55	4	I_5	
56	3	I_8	
57	2	I_0	
58	6	I_2	
59	2	I_5	
60	5	I_8	
61	3	I_5	
62	3	I_0	
63	5	I_2	
64	3	I_5	
65	3	I_2	
66	8	I_0	
67	3	I	Perhaps a trail of 68.
68	10+	I	
69	3	I_0	
70	1	I	
71	4	A_3	
72	3	I_{50}	
73	4	I_{50}	
74	3	I_0	
75	10	A_0	
76	5	A_0	
77	4	Nb	(Plate scratched in this region)
78	5	I_5	
79	3	I_7	E.
80	6	A_0	E.
81	4	I_{50}	

55	+60°	1669	16	18.0	+60	7.0	7.0 ✓
56	+60°	1667	16	16.9	+60	40.2	8.8 ✓
57	+61°	1584	16	17.3	+61	7.8	8.8 ✓
58	+61°	1581	16	15.4	+61	43.0	7.7 ✓
59	+61°	1583	16	17.1	+61	47.0	9.0 ✓
60	+61°	1587	16	18.3	+61	50.3	8.5 ✓
61	+62°	1475	16	19.6	+62	24.3	8.5 ✓
62	+62°	1477	16	21.5	+62	49.1	8.8 ✓
63	+62°	1480	16	22.9	+62	55.1	8.5 ✓
64	+62°	1476	16	20.9	+62	1.1	8.5 ✓
65	+61°	1590	16	20.8	+61	46.0	7.8 ✓
66	+62°	1478	16	21.9	+62	1.6	6.5 ✓
67	Trail of +61°	1591					✓
68	+61°	1591	16	22.1	+61	49.4	2.5 ✓
69	+60°	1673	16	20.1	+60	23.2	8.3 ✓
70	+60°	1671	16	19.9	+60	36.3	9.0 ✓
71	+60°	1676	16	22.8	+60	38.2	8.0 ✓
72	+61°	1545	16	26.1	+61	0.7	8.1 ✓
73	+60°	1682	16	27.0	+60	57.3	8.0 ✓
74	+60°	1685	16	29.9	+60	47.5	7.5 ✓
75	+61°	1598	16	30.4	+61	7.8	6.0 ✓
76	+61°	1599	16	31.4	+61	32.2	7.8 ✓
77	+60°	1688	16	32.9	+60	45.8	7.0 ✓
78	+61°	1604	16	36.3	+61	27.5	7.0 ✓
79	+60°	1691	16	37.1	+60	59.7	8.2 ✓
80	+61°	1609	16	~~42.4~~ 43.8	+61	~~14.3~~ 15	~~7.3~~ 7.5 ✓
81	+61°	1623	15	35.6	+61	52.9	7.7 ✓

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Wednesday, July 17, 1912
I 37746

Nr.	Int.	Class	Remark
82	2	f_5	
83	7	a_3	
84	2	f_5	
85	3	f_5	
86	3	fr_0	
87	2	fr_0	
88	1	fr_5	
89	3	fr_2	
90	2	fr_0	
91	8	a_0	
92	3	f_{20}	
93	7	f_5	
94	2	f_{20}	
95	3	fr_0	
96	2	f_5	
97	4	fr_2	
98	2	f_{20}	
99	2	fr_5	
100	2	f_5	Partly superposed on 101.
101	5	fr_2	
102	9	a_2	
103	2	f_5	
104	4	a_2	
105	5	fr_0	
106	7	fr_0	
107	2	fr_0	
108	4	fr_0	

82	+62°	1421	15s	37.5	+62	0.7	8.5
83	+62°	1422	15	38.1	+62	20.5	7.6
84	+62°	1425	15	39.7	+62	31.2	9.1
85	+63°	1222	15	42.8	+63	18.9	8.5
86	+64°	1087	15	42.7	+64	56.9	8.7
87	+65°	1076	15	43.1	+65	0.3	8.8
88	+65°	1078	15	44.1	+65	29.1	9.2
89	+64°	1089	15	44.1	+64	43.5	8.2
90	+64°	1091	15	46.9	+64	32.3	9.0
91	+65°	1081	15	48.6	+65	13.6	6.8
92	+65°	1084	15	50.6	+65	22.8	9.1
93	+65°	1087	15	52.1	+65	41.9	6.5
94	+64°	1094	15	49.4	+64	39.7	9.0
95	+64°	1096	15	49.8	+64	9.7	8.3
96	+64°	1102	15	54.6	+64	12.7	9.1
97	+64°	1104	15	56.8	+64	13.7	8.3
98	+64°	1106	15	58.6	+64	9.6	8.9
99	+64°	1105	15	58.4	+64	58.2	8.5
100	+65°	1094	15	57.2	+65	8.2	8.5
101	+65°	1093	15	58.2	+65	17.6	7.7
102	+65°	1095	15	59.6	+65	20.2	6.5
103	+65°	1096	15	59.8	+65	54.7	8.8
104	+66°	930	16	1.4	+66	6.5	8.9
105	+65°	1097	16	4.1	+65	42.0	8.4
106	+65°	1098	16	4.8	+65	3.8	6.8
107	+65°	1099	16	6.8	+65	13.1	8.5
108	+64°	1112	16	6.7	+64	38.7	8.7

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No.	Int.	Class	Remarks
109	9	A3	
110	2	ly	
111	2	F5	
112	4	F5	
113	3	K0	
114	1	ly	
115	4	A3	
116	2	Mt	
117	3	F8	
118	4	F2	
119	2	A	
120	3	ly0	
121	3	ly5	
122	3	F5	
123	2	ly5	
124	3	ly0	
125	1	K	
126	6	K0	
127	3	ly0	
128	2	ly5	
129	4	K0	
130	2	ly5	
131	1	ly5	
132	6	K0	
133	3	F5	
134	4	F8 ly0	
135	2	ly	

109	+63°	1253	16	7.7	+63	47.2	6.3
110	+63°	1250	16	4.0	+63	51.5	8.8
111	+63°	1248	16	3.0	+63	32.3	8.7
112	+63°	1251	16	5.3	+63	6.9	8.3
113	+62°	1452	16	3.3	+62	42.5	7.7
114	+62°	1453	16	3.9	+62	49.0	9.0
115	+62°	1456	16	5.5	+62	39.3	8.6
116	+62°	1459	16	6.2	+62	37.1	8.3
117	+62°	1460	16	6.6	+62	24.9	8.5
118	+62°	1461	16	6.7	+62	51.6	7.5
119	+63°	1248.6	16	5.7 0.6	+63	25.2 2.7	8.9 7.3
120	+63°	1259	16	12.4	+63	53.7	8.9
121	+63°	1261	16	15.2	+63	23.0	8.8
122	+63°	1262	16	16.4	+63	18.2	8.5
123	+63°	1264	16	17.3	+63	33.0	9.1
124	+63°	1266	16	18.6	+63	33.6	8.6
125	+62°	1469	16	15.6	+62	52.1	9.1
126	+62°	1470	16	16.3	+62	45.3	7.3
127	+63°	1270	16	21.7	+63	28.0	8.8
128	+64°	1126	16	21.1	+64	1.6	9.1
129	+64°	1129	16	22.0	+64	26.0	8.0
130	+63°	1272	16	24.1	+63	53.4	8.9
131	+64°	1132	16	25.2	+64	4.9	8.8
132	+63°	1278	16	29.1	+63	53.0	7.5
133	+63°	1275	16	28.3	+63	6.9	8.4
134	+62°	1483	16	26.1	+62	38.7	8.0
135	+63°	1274	16	27.0	+63	17.7	9.1

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Wednesday July 17. 1912.
H 377 46

No.	Int.	Class	Remarks
136	7	F0	Metallic lines strong 4077, 4172 probably dif. C.
137	5	K0	
138	4	K2	
139	5	K0	
140	2	F5	
141	2	K0	
142	7	K5	
143	4	F2	
144	3	dy0	
145	3	dy	E.
146	8	F38	E.
147	10	K	E.
148	4	dy5	
149	4	K5	E.
150	7	K5	E.
151	5	A2	E.
152	2	K2	E.
153	9	dy3	E.
154	6	A5	
155	3	F8	
156	2	K	
157	4	dy5	
158	6	A3	
159	9	A2	
160	2	F5	
161	2	dy5	
162	5	K2	

136	+63°	1281	16	31.2	+63	8.4	6.8
137	+63°	1283	16	31.7	+63	41.7	8.0
138	+63°	1284	16	33.2	+63	34.3	7.7
139	+64°	1140	16	33.4	+64	13.6	7.7
140	+64°	1142	16	34.6	+64	11.2	9.1
141	+63°	1286	16	33.8	+63	16.2	8.3
142	+63°	1289	16	35.4	+63	22.5	6.5
143	+62°	1492	16	34.2	+62	40.5	8.6
144	+62°	1497	16	36.2	+62	51.0	9.0
145	+62°	1499	16	38.0	+62	36.1	8.5
146	+62°	1501	16	39.5	+62	34.7	7.2
147	+64°	1145	16	39.9	+64	50.7	5.2
148	+64°	1147	16	48.8	+64	4.9	8.6
149	+63°	1364	16	45.6	+63	38.3	7.7
150	+63°	1307	16	47.1	+63	45.8	6.8
151	+63°	1303	16	45.4	+63	2.0	8.0
152	+63°	1299	16	41.8	+63	8.9	8.0
153	+64°	1074	15	28.9	+64	40.1	5.8
154	+64°	1077	15	31.8	+64	23.4	8.0
155	+64°	1078	15	33.1	+64	34.3	8.8
156	+64°	1079	15	34.0	+64	35.8	9.0
157	+64°	1081	15	35.1	+64	54.9	8.5
158	+65°	1061	15	31.8	+65	40.8	8.5
159	+65°	1062	15	33.5	+65	44.8	6.8
160	+65°	1064	15	34.2	+65	23.6	8.7
161	+65°	1066	15	36.4	+65	25.2	9.1
162	+65°	1069	15	38.1	+65	7.2	7.3

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No.	Fut.	Class	Remark
163	7	K0	
164	2	K	
165	2	K2	
166	3	K2	
167	5	F8	
168	2	K2	
169	6	A3	
170	6	A3	
171	2	A5	Difficult
172	6	A3	
173	3	G5	
174	8	F2	
175	10+	B8?	Burned out
176	4	A0	
177	8	K0	
178	4	G0	
179	3	F5	
180	3	K0	
181	2	K1	
182	2	G5	
183	2	F8	
184	2	K0	
185	5	K0	
186	3	G5	
187	3	K0	
188	2	F8	
189	3	F5	

163	+66°	915	15	37.0	+66	15.3	6.8	I
164	+66°	916	15	39.1	+66	18.7	8.9	V
165	+66°	917	15	40.0	+66	50.8	8.8	✓
166	+65°	1072	15	40.0	+65	48.8	8.9	V
167	+66°	918	15	44.6	+66	0.7	8.1	I
168	+66°	919	15	44.8	+66	18.7	8.8	V
169	+66°	920	15	45.2	+66	18.2	7.9	I
170	+66°	923	15	49.6	+66	51.2	8.0	V
171	+66°	925	15	54.0	+66	58.7	9.0	I
172	+66°	927	15	57.8	+66	27.5	8.0	V
173	+65°	1092	15	56.3	+65	48.8	8.8	I
174	+68°	858	15	59.8	+68	2.1	7.7	I
175	+68°	864	16	6.0	+68	11.4	6.0	I
176	+67°	926	16	4.7	+67	21.8	9.0	V
177	+67°	930	16	11.9	+67	30.9	6.3	V
178	+66°	941	16	12.6	+66	58.8	8.0	I
179	+66°	940	16	12.4	+66	29.7	8.7	I
180	+66°	944	16	13.8	+66	45.2	8.0	V
181	+66°	937	16	8.5	+66	12.8	9.0	V
182	+66°	938	16	9.9	+66	16.5	8.8	I
183	+65°	1104	16	11.1	+65	35.5	9.2	V
184	+65°	1106	16	13.8	+65	36.4	9.0	V
185	+65°	1107	16	14.0	+65	25.6	7.8	V
186	+65°	1108	16	14.5	+65	10.6	8.6	V
187	+64°	1117	16	15.0	+64	37.7	8.2	✓
188	+65°	1110	16	15.5	+65	13.6	8.8	I
189	+65°	1112	16	17.2	+65	7.6	9.0	V

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Nr.	Int.	Class	Remark
190	5	As	
191	2	Fa	
192	2	Ko	
193	2	Ka	
194	3	Fs	
195	2	Gs	
196	2	G	
197	6	Ko	
198	6	Ma	
199	3	G	
200	2	K	
201	4	Md	M & bright = 10. M gr bright = 9.
202	4	Fa	
203	6	Go	
204	3	Go	
205	2	Ko	
206	2	Gs	E.
207	4	Ko	
208	2	K	
209	3	G	
210	4	Ko	E.
211	6	Oa	E.
212	2	Ka	E.
213	4	K	E.
214	3	K	E.
215	4	Gs	E.
216	5	Ko	E.

190	+65°	1115	16	19.2	+65	19.5	8.3
191	+64°	1134	16	19.6	+64	40.6	8.9
192	+65°	1117	16	22.1	+65	26.6	8.9
193	+64°	1127	16	21.1	+64	37.6	8.6
194	+66°	947	16	20.0	+66	31.2	8.5
195	+66°	948	16	20.9	+66	16.1	9.0
196	+67°	940	16	23.4	+67	3.2	8.8
197	+67°	941	16	24.9	+67	22.5	7.3
198	+67°	942	16	28.0	+67	22.0	6.8
199	+67°	945	16	30.2	+67	39.6	8.4
200	+67°	949	16	32.0	+67	53.5	8.3
201	+67°	950	16	32.3	+67	3.2	Var.
202	+66°	954	16	27.3	+66	25.4	8.9
203	+65°	1122	16	28.0	+65	6.1	7.2
204	+65°	1123	16	28.3	+65	9.9	8.2
205	+65°	1125	16	29.7	+65	5.6	9.0
206	+65°	1127	16	31.7	+65	0.2	9.0
207	+64°	1139	16	32.6	+64	41.6	8.5
208	+64°	1138	16	32.2	+64	30.9	9.0
209	+65°	1133	16	37.5	+65	42.1	8.8
210	+65°	1141	16	43.5	+65	30.5	8.0
211	+66°	975	16	46.4	+66	17.6	8.0
212	+67°	968	16	45.1	+67	8.4	7.8
213	+67°	969	16	47.0	+67	30.7	6.8
214	+67°	962	16	40.8	+67	14.0	7.9
215	+68°	883	16	43.0	+68	21.1	7.6
216	+68°	879	16	34.0	+68	18.6	7.2

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Wednesday, July 17, 1912.

I 37746

No.	Int.	Class	Remark
217	10+	A	E.
218	7	K2	E.
219	3	F0	
220	3	G5	
221	2	G...	
222	4	F	E.
223	3	F5	E.
224	6	G5	E.
225	4	A2	E.
226	2	K	E.
227	3	A2	E.
228	3	F2	E.
229	7	A2	E.
230	7	F5	E.
231	2	G5	
232	2	K0	
233	3	K5	
Time: 11.00 234	2	G5	

I 34995 short disp. was used to confirm resse of the fainter stars.

217	+69°	850	16″	28.3	+69	5.2	5.2 V
218	+68°	868	16	18.2	+68	53.8	6.5 J
219	+66°	962	16	33.7	+66	36.2	8.9 V
220	+66°	959	16	33.2	+66	19.5	9.2 J
221	+65°	1126	16	31.3	+65	50.6	9.0 J
222	+67°	901	15	29.6	+67	9.7	7.9 J
223	+67°	903	15	31.6	+67	31.6	8.6 J
224	+68°	842	15	33.6	+68	17.8	6.8 J
225	+67°	912	15	39.9	+67	46.9	8.3 J
226	+67°	914	15	41.6	+67	31.6	8.5 V
227	+67°	917	15	43.9	+67	13.5	8.7 V
228	+67°	916	15	43.5	+67	45.3	8.6 V
229	+69°	812	15	44.3	+69	7.1	7.0 J
230	+69°	825	15	53.3	+69	8.0	6.8 V
231	+67°	928	16	9.0	+67	45.4	8.7 V
232	+67°	933	16	14.0	+67	36.6	8.7 V
233	+67°	935	16	16.5	+67	36.2	8.6 V
234	+67°	937	16	18.1	+67	36.5	9.0 V

Identified by AMS. Aug. 12, 1912
Checked by M. C. W. Oct. 10, 1912.
cards made out by M. C. W.

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Monday, Sept. 9, 1912.

Time: 11.45

P340813 short disp.

No.	Int.	Class	Remarks
1	1	fg	
2	3	fg5	
3	2	Ia	
4	4	Ia5	
5	1	If	
6	2	Ac3	
7	3	fg0	
8	2	Ia	
9	3	Ia3	
10	2	If	
11	9	fg5	
12	3	fg0	
13	2	Ia0	
14	2	If0	
15	1	fg0	
16	2	Ia5	
17	1	fg	
18	5	Ima	
19	3	Ia5	
20	2	fg	
21	1	Ia5	
22	2	fg	Nearly all superposed on 23.
23	3	fg5	
24	3	fg5	
25	1	Ia	
26	2	If0	
27	2	fg0	

1	-18°	167	0	55.6	-18	29.4	9.4	✓
2	-17°	187	0	56.4	-17	21.5	9.0	✓
3	-17°	188	0	56.6	-17	58.7	9.1	✓
4	-18°	175	0	57.7	-18	14.7	8.8	✓
5	-18°	173	0	57.2	-18	25.6	9.3	✓
6	-18°	172	0	57.2	-18	46.2	9.4	✓
7	-18°	174	0	57.5	-18	43.5	9.1	✓
8	-18°	177	0	57.8	-18	36.2	9.4	✓
9	-17°	190	0	58.5	-17	22.5	9.1	✓
10	-16°	174	0	57.2	-16	49.2	9.3	✓
11	-16°	177	0	59.6	-16	16.8	9.0	✓
12	-16	183	1	0.5	-16	43.3	8.6	✓
13	-16°	182	1	0.4	-16	58.3	8.3	✓
14	-17°	195	1	0.5	-17	15.9	8.8	✓
15	-16°	185	1	0.9	-16	50.7	9.1	✓
16	-17°	196	1	1.0	-17	20.1	9.3	✓
17	-17°	197	1	1.1	-17	11.7	9.4	✓
18	-17°	198	1	1.5	-17	50.1	8.3	✓
19	-18°	183	1	0.8	-18	25.4	9.0	✓
20	-19°	182	1	0.4	-19	4.0	9.1	✓
21	-18°	185	1	2.2	-18	52.5	9.5	✓
22	-18°	186	1	2.7	-18	19.7	9.1	✓
23	-18°	187	1	2.7	-18	16.1	9.0	✓
24	-17°	206	1	3.5	-17	56.0	8.6	✓
25	-18°	189	1	3.9	-18	10.2	9.4	✓
26	-18°	192	1	4.6	-18	18.4	8.6	✓
27	-18°	190	1	4.2	-18	39.1	9.1	✓

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Monday Sept. 9, 1912
B 40863 short disp.

Nos	Int.	Class	Remarks
28	3	K0	
29	1	G5	
30	1	G	
31	2	G0	
32	3	G5	
33	2	G	
34	2	G0	
35	2	K3	
36	2	K0	
37	5	K2	
38	2	F8	
39	1	G	
40	3	G5	
41	3	K0	
42	3	K0	
43	2	K2	
44	2	K0	
45	4	K0	
46	2	G5	
47	2	G0	
48	1	G0	
49	1	K0	
50	4	K0	
51	2	G0	
52	2	F8	
53	4	K0	
54	3	K2	

28	-18°	194	1	4.9	-18	35.2	8.7	✓
29	-17°	207	1	3.8	-17	22.4	9.5	✓
30	-17°	208	1	4.6	-17	8.9	9.5	✓
31	-17°	210	1	6.6	-17	21.4	9.3	✓
32	-17°	211	1	6.9	-17	27.4	9.3	✓
33	-17°	215	1	6.7	-17	22.2	9.8	✓
34	-17°	219	1	7.0	-17	11.5	9.5	✓
35	-16°	201	1	7.1	-16	54.5	9.0	✓
36	-16°	199	1	6.6	-16	24.1	9.1	✓
37	-15°	233	1	8.0	-15	58.3	8.2	✓
38	-17°	221	1	7.3	-17	37.9	9.3	✓
39	-17°	218	1	6.9	-17	39.7	9.3	✓
40	-15°	199	0	58.6	-15	39.6	9.0	✓
41	-15°	196	0	58.4	-15	17.8	8.5	✓
42	-15°	209	0	59.2	-15	4.6	8.9	✓
43	-15°	203	0	0.6	-15	40.5	9.1	✓
44	-15°	204	1	0.9	-15	30.5	9.1	✓
45	-15°	206	1	1.2	-15	57.0	8.6	✓
46	-16°	187	1	1.8	-16	24.6	9.2	✓
47	-16°	189	1	2.8	-16	13.9	9.2	✓
48	-16°	188	1	2.3	-16	49.2	9.4	✓
49	-16°	190	1	3.4	-16	40.4	9.2	✓
50	-15°	222	1	5.8	-15	32.1	8.9	✓
51	-15°	229	1	6.7	-15	07.7	9.0	✓
52	-15°	230	1	7.0	-15	47.0	9.0	✓
53	-15°	232	1	7.4	-15	2.8	8.7	✓
54	-14°	238	1	7.7	-14	31.1	9.1	

cards made out

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Monday Sept. 9, 1910

B 40863 short disp.

No.	Int.	Class	Remark
55	4	Fo	
56	3	Ma	
57	2	F	
58	3	Fo	
59	2	Ly	Poor focus.
60	3	K2	
61	3	Ko	
62	4	Go	
63	2	Ko	
64	2	Fo	
65	2	Gs	
66	1	K5	
67	1	Ly	
68	3	Fo	
69	3	Ko	
70	5	Ko	
71	2	K5	
72	1	Gs	
73	2	F8	
74	2	Fo	
75	1	Gs	
76	3	Ao	
77	1	K	
78	3	K2	
79	2	G	
80	2	F8	
81	2	Gs	

55	+14°	240	1	8.2	+14	40.2	8.7	✓
56	+14°	244	1	9.3	+14	18.9	8.4	✓
57	+14°	245	1	9.5	+14	44.9	9.3	✓
58	+14°	248	1	9.9	+14	57.3	9.0	✓
59	+15°	241	1	10.3	+15	10.7	9.1	✓
60	+15°	238	1	9.7	+15	22.8	9.0	✓
61	+15°	239	1	9.8	+15	49.7	9.0	✓
62	-16°	213	1	10.2	-16	23.5	8.6	✓
63	-16°	214	1	10.4	-16	15.2	9.0	✓
64	-16°	215	1	10.5	-16	34.3	9.2	✓
65	-16°	209	1	9.0	-16	41.4	9.3	✓
66	-16°	208	1	8.8	-16	20.6	9.3	✓
67	-17°	230	1	10.2	-17	2.2	9.4	✓
68	-17°	231	1	10.5	-17	12.3	9.0	✓
69	-17°	226	1	9.4	-17	29.1	8.5	✓
70	-17°	232	1	12.7	-17	47.6	8.2	✓
71	-17°	234	1	13.0	-17	56.8	8.9	✓
72	-17°	236	1	13.3	-17	37.2	9.2	✓
73	-16°	224	1	13.5	-16	59.0	9.0	✓
74	-17°	239	1	14.4	-17	14.7	9.1	✓
75	-17°	238	1	14.3	-17	30.5	9.2	✓
76	-18°	217	1	15.2	-18	23.4	9.2	✓
77	-17°	249	1	16.6	-17	17.0	9.3	✓
78	-17°	253	1	17.5	-17	12.1	8.9	✓
79	-17°	252	1	17.4	-17	0.1	9.1	✓
80	-17°	261	1	19.4	-17	17.0	8.9	✓
81	-18°	229	1	19.0	-18	3.7	8.7	✓

cards made out

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Monday. Sept. 9. 1912.

B40863

No.	Int.	Class	Remark
82	3	F5	
83	2	K0	
84	2	K2	
85	4	K0	
86	4	F5	Por forms.
87	3	K2	E.
88	2	G5	E.
89	2	K0	E.
90	3	K5	E.
91	4	K5	E.
92	3	A2	
93	3	K2	
94	3	G5	
95	2	K0	
96	2	K0	
97	2	K0	
98	3	G0	
99	2	G0	
100	2	K2	

Time: 13.08

101	5	A0						
102	3	G5						
103	5	A2						
104	3	A2						

last in B130,36

82	+15°	244	1	11.9	+15	36.5	8.7	✓
83	+15°	245	1	12.1	+15	22.5	9.0	✓
84	+14°	231	1	5.7	+14	47.9	8.9	✓
85	+14°	233	1	5.9	+14	43.8	8.7	✓
86	+14°	219	1	1.0	+14	1.7	8.7	✓
87	+14°	255	1	12.6	+14	2.7	8.9	✓
88	+14°	260	1	13.8	+14	5.0	9.0	✓
89	+14°	263	1	14.7	+14	19.2	9.1	✓
90	+14°	265	1	15.2	+14	44.3	8.4	✓
91	+15°	255	1	16.4	+15	8.2	8.9	✓
92	+15°	254	1	14.7	+15	48.4	9.2	✓
93	−16°	226	1	14.2	−16	6.7	8.6	✓
94	−16°	222	1	12.7	−16	12.6	9.1	✓
95	−18°	145	0	46.4	−18	38.6	9.0	✓
96	−18°	146	0	46.8	−18	47.2	8.9	✓
97	−17°	166	0	49.7	−17	51.7	9.0	✓
98	−17°	170	0	51.3	−17	55.0	9.1	✓
99	−18°	159	0	51.5	−18	47.0	9.0	✓
100	−19°	149	0	51.7	−19	17.8	8.9	✓

Identified by M. C. W. Sept. 12. 1912.
Checked by A.M.C. Sept. 13, 1912
cards made out by M. C. W.

✓ 101	−19	168	0	56.9	−19	21	8.5	49 on B12238
✓ 102	−18	162	0	52.8	−18	51	8.3	46 " "
✓ 103	−17	175	0	53.3	−17	51	8.4	48 " "
✓ 104	−17°	176	0	53.4	−17	52	9.0	

no. 104 identd. in book by J & M. 7.8.10.1916.
" card by M. A. H. " "

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Sept.
Monday, 9. 1912

B 1444 32 Ghost

No.	Dist.	class	Remark
1	3	Fo	
2	3	Ko	
3	2	A3	
4	2	F5	
5	2	G5	
6	1	A3	
7	3	Go	
8	2	F5	
9	2	K5	
10	2	F2	
11			

1	-16°	256	1	22.4	-16	52.7	8.0	✓
2	-17°	274	1	24.5	-17	31.0	8.0	✓
3	-17°	277	1	25.1	-17	36.3	9.0	✓
4	-18°	254°	1	24.9	-18	27.0	8.7	✓
5	-18°	265	1	28.7	-18	2.5	8.2	✓
6	-18°	268	1	29.9	-18	1.1	9.0	✓
7	-18°	284	1	34.5	-18	43.3	8.6	✓
8	-18°	286	1	35.2	-18	51.8	8.5	✓
9	-17°	300	1	33.2	-17	43.3	8.0	✓
10	-17°	304	1	35.0	-17	54.3	8.5	✓

Identified by M. C. W. Sept. 13, 1912
Checked by ANC. Sept. 13, 1912
Cards made out by M. C. W.

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Monday, Sept. 9 1912
B 23760 short disp. (for faint stars only)

Lens: 1.00

No.	Int.	Class	Remarks
1	2	K5	
2	3	F5	
3	3	F	
4	3	F5	Two stars superposed ?
5	4	F5	
6	3	F0	
7	3	F5	
8	2	A0	The preceding of two.
9	2	K0	
10	4	K0	
11	3	F5	
12	4	K0	The following of two.
13	3	G5	
14	3	K2	
15	1	F	
16	4	K0	
17	2	F5	
18	2	K3	
19	4	A3	
20	2	K0	
21	2	K0	
22	4	F8	
23	2	K0	
24	3	K5	
25	2	F8	
26	2	A0	
27	3	F5	

1	-9°	60	0	15.9	-9	25.7	8.9	∧ J
2	-9°	68	0	17.4	-9	26.1	9.0	∧ J
3	-8°	57	0	17.3	-8	44.1	8.9	∧ J
4	-10°	78	0	20.1	-10	10.1	8.8	∧ J
5	-8°	78	0	21.7	-8	30.2	8.6	∧ J
6	-8°	81	0	23.1	-8	53.2	8.7	∧ J
7	-9°	92	0	23.7	-9	38.0	9.2	∧ J
8	-10°	87	0	23.3	-10	11.9	9.1	∧ J
9	-10°	93	0	24.5	-10	11.6	8.8	∧ J
10	-10°	95	0	24.7	-10	12.8	8.9	∧ J
11	-9°	97	0	25.3	-9	50.1	8.8	∧ J
12	-10°	90	0	23.7	-10	52.7	8.6	∧ J
13	-11°	79	0	22.1	-11	49.4	9.0	∧ J
14	-11°	85	0	23.9	-11	39.6	8.8	∧ J
15	-11°	89	0	25.9	-11	31.5	9.1	∧ J
16	-12°	94	0	27.1	-12	5.2	8.5	∧ J
17	-11°	102	0	28.5	-11	15.0	9.1	∧ J
18	-11°	103	0	28.7	-11	9.2	8.6	∧ J
19	-11°	104	0	29.0	-11	9.9	8.9	∧ J
20	-10°	110	0	28.9	-10	48.5	8.8	∧ J
21	-9°	103	0	26.6	-9	31.2	8.9	∧ J
22	-9°	109	0	27.5	-9	40.4	8.8	∧ J
23	-9°	107	0	27.4	-9	16.7	8.9	∧ J
24	-9°	113	0	29.0	-9	15.1	9.2	∧ J
25	-9°	112	0	28.7	-9	36.7	9.1	∧ J
26	-9°	119	0	30.7	-9	38.8	9.1	∧ J
27	-9°	122	0	31.2	-9	53	9.1	∧ J

cards made out

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Monday, Sept. 9, 1912
R 23760 short disp.

No.	Int.	Class	Remark
28	3	Jf5	
29	2	Af	Poor focus.
30	4	A5	" "
31	3	Jf0	
32	3	Jnb	
33	2	Jf0	
34	3	fp0	
35	3	fp0	
36	3	fp	Poor focus.
37	2	A5	
38	4	Jf0	
39	3	Jf8	
40	4	Jf5	
41	3	Af5	
42	3	A0	
43	1	Jf	
44	2	fp5	
45	3	Jf0	
46	2	Jf5	
47	3	A0	
48	3	Jf0	
49	3	fp0	
50	2	fp5	
51	2	Jf5	
52	3	fp	Poor focus.
53	2	Af5	" "
54	2	K5	

28	-8°	113	0	32.7	-8	40.0	8.5	∧J
29	-8°	101	0	30.0	-8	35.5	8.9	∧J
30	-9°	129	0	32.8	-9	43.7	8.7	∧J
31	-10°	133	0	33.6	-10	45.9	8.6	∧J
32	-10°	136	0	34.7	-10	27.0	9.0	∧J
33	-10°	137	0	34.9	-10	37.7	9.0	∧J
34	-10°	142	0	36.0	-10	6.8	8.5	∧J
35	-10°	148	0	36.7	-10	14.4	9.1	∧J
36	-10°	155	0	38.1	-10	20.4	8.7	∧J
37	-10°	158	0	39.0	-10	15.8	8.9	∧J
38	-10°	159	0	39.2	-10	22.1	8.3	∧J
39	-10°	161	0	39.8	-10	44.6	8.6	∧J
40	-11°	125	0	35.7	-11	17.6	8.3	∧J
41	-12°	117	0	33.5	-12	9.9	8.5	∧J
42	-12°	125	0	36.2	-12	42.0	9.1	∧J
43	-12°	124	0	36.1	-12	52.8	9.1	∧J
44	-12°	122	0	35.1	-12	56.9	8.9	∧J
45	-13°	117	0	34.2	-13	29.2	8.5	∧J
46	-13°	113	0	32.6	-13	52.7	8.8	∧J
47	-13°	108	0	31.6	-13	6.8	9.0	∧J
48	-12°	109	0	31.2	-12	58.3	8.8	∧J
49	-13°	100	0	29.5	-12	28.0	8.8	∧J
50	~~-14°~~ -13°	107	0	32.2	~~-14~~ -13	24.7	8.9	∧J 14° magn. 9.7 ~~-14~~ 108 superpose
51	-15°	116	0	31.3	-15	1.3	8.5	∧J
52	-16°	118	0	32.5	-15	5.9	8.6	∧J
53	-14°	113	0	33.2	-14	51.5	8.7	∧J
54	-14°	80	0	246	-14	6.8	8.8	∧J

cards made out

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Monday, Sept. 9, 1912
B 23760 about disp.

No.	Int.	Class	Remark
55	1	Io	
56	2	Ip	
57	1	Ip	
58	1	Ip	
June 1, 11 59	3	Io	
60			
61			
60	5	Ip	

55	−13°	85	0	22.8	−13	9.1	9.0	^ 1
56	−13°	88	0	24.1	−13	0.7	9.1	^ 1
57	−12°	91	0	25.2	−12	37.6	9.1	^ 1
58	−12°	99	0	29.0	−12	5.6	8.8	^ 1
59	−14°	133	0	39.4	−14	33.1	8.3	^ 1

Identified by AMC. Sept. 12, 1912
Checked Oct. 29 1912 F.E.W.
cards made out by M. C. W.
Checked by E.K.B.

60	−14	84	0	25.5	−14	3	8.3	No. 9 on 37411

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Monday, Sept. 9, 1912

Time 4.00 B10410 Shot

No.	Int.	Class	Remark
1	8	K0	
2	1	K0	
3	9	K0	
4	21	B5	
5	4	A5	
6	5	A0	
7	4	F0	
8	21	F2	
9	21	F5	
10	21	K2	
11	21	G0	
12	4	G0	
13	7	K0	
14	3	F2	
15	4	K2	
16	4	Ma	
17	21	G5	
18	8	F0	
19	21	K0	
20	3	F5	
21	3	K0	
22	21	B3	Too much superposed on 23
23	4	K0	
24	2	F5	
25	1	G5	
26	1	K	
27	2	K2	

1	-8°	484	x²	27.6	-8	29.4	6.0
2	-8°	485	x²	27.9	-8	21.4	8.7
3	-8°	489	x²	28.9	-8	27.7	6.0
4	-9°	486	x²	28.7	-9	12.2	8.5
5	-8°	493	x²	29.8	-8	08.6	8.3
6	-8°	497	x²	31.2	-8	13.5	8.3
7	-8°	498	x²	31.4	-8	9.5	8.3
8	-8°	499	x²	32.2	-8	03.0	8.4
9	-8°	504	x²	33.3	-8	3.3	8.5
10	-8°	506	x²	33.9	-8	30.0	8.7
11	-7°	472	2	35.1	-7	48.5	9.0
12	-7°	473	2	35.7	-7	6.4	8.2
13	-7°	474	2	35.9	-7	15.7	7.6
14	-7°	479	2	36.7	-7	48.8	8.5
15	-6°	585	2	36.8	-6	59.8	8.3
16	-7°	481	2	37.0	-7	1.8	8.1
17	-7°	486	2	38.9	-7	25.8	9.0
18	-7°	489	2	39.4	-7	18.7	7.9
19	-7°	490	2	39.6	-7	36.3	8.7
20	-6°	548	2	41.2	-6	50.5	9.0
21	-6°	549	2	41.3	-6	47.3	8.4
22	-7°	506	2	43.2	-7	22.0	8.6
23	-7°	505	2	43.2	-7	24.5	7.5
24	-7°	510	2	44.5	-7	13.8	8.7
25	-6°	661	2	44.3	-6	20.6	9.0
26	-6°	553	2	45.3	-6	39.1	8.5
27	-6°	566	2	45.8	-6	12.5	8.5

Cards made out

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Monday Sept. 9, 1912 (Cont.)
B 104/10 Shor

No.	Sect	Class	Remark
28	1	K0	
7hr 4.03 29	3	F5	
30			

BD 4 . R-1 . . . .

28 -6° 57 4 2i 49.4 -6 50.4 8.6 J
29 -8° 55 2 2i 49.2 -8 15.2 8.3 V

Identified by ANC. Sept. 13, 1912
Checked by J.B.W. Sept. 26, 1912
cards made out by M.C.W.

30 -10 J73 2 25.0 -10 J- 8.0 1640 or B K0 98

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Tuesday, Sept. 10, 1912

Time: 12.23 — B 12388 chart disp.

No.	Int.	Class	Remark
1	7	Jo	
2	3	Ko	
3	3	Fa	
4	2	Ka	
5	7	Fa	
6	7	Fo	
7	3	Jo	
8	2	Ka	
9	1	K	
10	2	Fa	
11	3	Fa	
12	1	Go	
13	2	Go	
14	4	Go	
15	2	Fo	Uncertain - due to superposition on 14.
16	2	Fo	
17	2	Go	
18	2	Go	
19	1	Go	
20	9	A	Look up on long disp.
21	2	Go	
22	4	Fo	
23	2	Fo	
24	2	Jo	
25	4	Ka	
26	7	A	Look up on long disp.
27	2	Ja	

1	-4°	324	1	56.4	-4	47.9	6.0	J
2	-5°	381	1	56.1	-5	1.4	7.5	J
3	-5°	384	2 1	56.5	-5	16.6	8.1	J
4	-5°	386	1	57.9	-5	5.7	8.3	J
5	-6°	388	1	59.0	-6	3.2	7.8	J
6	-4°	338	1	59.7	-4	54.4	7.5	J
7	-6°	397	1	57.0	-6	24.4	7.5	J
8	-6°	407	1	59.4	-6	27.9	8.2	J
9	-6°	412	2	1.1	-6	26.1	8.8	J
10	-7°	356	1	58.7	-7	51.7	8.8	J
11	-6°	420	2	4.1	-6	19.4	8.3	J
12	-6°	427	2	6.0	-6	40.8	9.0	J
13	-5°	417	2	8.6	-5	45.4	8.1	J
14	-5°	430	2	11.2	-5	32.3	8.2	J
15	-5°	431	2	11.3	-5	35.4	9.0	J
16	-6°	425	2	10.6	-6	1.5	8.5	J
17	-4°	374	2	11.0	-4	46.0	8.3	J
18	-6°	429	2	11.2	-5	0.0	8.7	J
19	-4°	378	2	12.0	-4	47.5	8.6	J
20	-6°	438	2	12.4	-5	0.6	7.0	J
21	-5°	437	2	12.4	-5	40.3	8.8	J
22	-4°	379	2	12.8	-4	12.0	8.5	J
23	-3°	363	2	14.3	-3	37.6	8.9	J
24	-3°	320	2	1.5	-3	53.7	8.5	J
25	-4°	350	2	3.3	-4	5.8	8.2	J
26	-3°	340	2	6.4	-3	42.7	7.7	J
27	-4°	361	2	6.9	-4	18.5	8.5	J

Cards made out

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

Tuesday Sept. 10, 1912

B 12388 short disp.

No.	Int.	Class	Remark
28	4	$1_{/0}$	
29	1	$1_{/0}$	
30	2	$1_{/0}$	
31	2	$1_{/0}$	
32	2	$1_{/8}$	
33	1	$1_{/0}$	
34	2	$1_{/0}$	
35	2	$1_{/0}$	
36	2	$1_{/5}$	
37	3	$1_{/5}$	
38	1	a	
39	1	$1_{/5}$	
40	2	$1_{/8}$	
41	2	$1_{/5}$	
42	2	$1_{/0}$	
43	3	$1_{/0}$	
44	1	$1_{/0}$	
45	2	$1_{/5}$	
46	3	$1_{/5}$	
47	1	$1_{/0}$	
48	2	$1_{/4}$	
49	2	$1_{/5}$	
50	4	$1_{/0}$	
51	1	$1_{/}$	
52	3	$1_{/5}$	
53	2	$1_{/2}$	
54	2	$1_{/5}$	

28	−4°	366	2	8.7	−4	46.1	8.4 ✓
29	−4°	367	2	8.8	−4	32.5	8.3 ✓
30	−7°	339	1	52.7	−7	43.2	8.3 ✓
31	−7°	338	1	52.6	−7	49.4	9.1 ✓
32	−8°	360	1	53.5	−8	4.8	8.8 ✓
33	−8°	367	1	55.2	−8	9.5	8.3 ✓
34	−8°	369	1	55.9	−8	6.5	9.0 ✓
35	−7°	343	1	54.2	−7	14.7	8.3 ✓
36	−6°	386	1	54.7	−6	49.0	9.0 ✓
37	−7°	347	1	55.5	−7	22.4	8.5 ✓
38	−8°	391	2	2.1	−8	32.9	9.0 ✓
39	−9°	418	2	4.2	−9	54.1	9.1 ✓
40	−9°	428	2	6.7	−9	12.8	9.1 ✓
41	−9°	431	2	8.6	−9	41.5	8.8 ✓
42	−9°	433	2	9.0	−9	34.7	8.8 ✓
43	−8°	417	2	9.7	−8	19.8	9.0 ✓
44	−7°	400	2	11.9	−7	31.4	8.8 ✓
45	−6°	~~454~~ 455	2	~~12.8~~ 12.2	−6	~~58.9~~ 58.8	~~9.1~~ 9.0 ✓
46	−7°	411	2	14.6	−7	18.5	8.5 ✓
47	−7°	410	2	14.5	−7	32.6	9.0 ✓
48	−7°	423	2	17.2	−7	22.9	9.0 ✓
49	−6°	473	2	17.4	−6	33.1	8.9 ✓
50	−6°	481	2	19.9	−6	44.8	8.2 ✓
51	−7°	481	2	19.6	−7	5.2	8.5 ✓
52	−7°	489	2	19.5	−7	38.2	8.5 ✓
53	−8°	438	2	16.9	−8	31.4	8.9 ✓
54	−9°	462	2	19.4	−9	34.1	8.7 ✓

Cards made out

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Tuesday, Sept. 10, 1912.
B 12388 shut disp.

No.	Int.	Class	Remark
55	2	fy^5	
56	7	A_0	
57	2	fy_0	
58	1	fy	
59	4	A_2	
60	3	F_2	
61	5	F_2	
62	5	F_5	
63	2	fy	E.
64	7	K_0	E.
65	7	K_0	E.
66	2	F_5	
67	2	K_2	
68	1	K	
69	1	K	

Time 12.42 7h

Cent. B 129.194.

55	−9°	467	2	21.6	−9	24.2	8.5 ✓
56	−8°	~~522~~ 468	2	~~39.4~~ 23.8	−8	~~38.8~~ 27.5	~~7.0~~ 7.5 ✓
57	−8°	~~531~~ 469	2	~~41.8~~ 24.2	−8	~~30.9~~ 27.4	~~9.8~~ 8.9 ✓
58	−8°	~~529~~ 470	2	~~41.9~~ 24.4	−8	~~17.6~~ 14.4	9.1 ✓
59	−7°	440	2	22.2	−7	43.0	9.0 ✓
60	−6°	490	2	28.1	−6	58.6	8.5 ✓
61	−7°	447	2	25.1	−7	48.4	8.3 ✓
62	−9°	478	2	26.8	−9	20.7	8.2 ✓
63	−8°	480	2	26.8	−8	36.3	8.8 ✓
64	−8°	484	2	27.6	−8	29.4	6.0 ✓
65	−8°	489	2	28.9	−8	27.7	6.0 ✓
66	−11°	426	2	7.3	−11	20.8	8.5 ✓
67	−11°	440	2	12.4	−11	17.2	8.2 ✓
68	−11°	442	2	12.8	−11	3.1	8.8 ✓
69	−10°	492	2	19.4	−10	16.2	7.8 ✓

Identified by AMC. Sept. 20, 1912
checked by J.C.M. Oct 1912
cards made out by M.C.W.
Cards checked by E.E.W.

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Tuesday, Sept. 10, 1912

B 10 382

No.	Int.	class	Remark
1	1	F5	
2	3	F5	
3	4	G0	
4	3	F8	
5	4	K0	
6	2	K0	
7	1	K0	
8	3	G5	
9	6	F5	
10	1	G	
11	21	F5	
12	4	A0	
13	1	G	
14			
14	5	G5	
15	6	G5	

1	+4°	379	2	9.8	+4	51.3	8.7	J
2	+4°	378	2	9.7	+4	41.3	8.5	J
3	+4°	386	2	14.5	+4	4.7	8.2	J
4	+4°	388	2	15.2	+4	17.4	8.5	J
5	+3°	327	2	15.5	+3	8.1	8.3	J
6	+1°	417	2	14.8	+1	47.8	8.5	J
7	+1°	423	2	16.1	+1	55.3	8.8	J
8	+2°	377	2	19.7	+2	30.5	8.5	J
9	+2°	383	2	21.2	+2	55.5	8.3	J
10	+2°	384	2	21.5	+2	58.0	8.8	J
11	+2°	386	2	22.3	+2	31.4	8.8	J
12	+3°	388	2	20.3	+3	45.5	8.5	J +3° 339 346 Superposed magn. 8.5 8.5
13	+3°	331	2	17.0	+3	25.0	7.8	J

Identified by ANC. Sept. 11, 1912
checked by J. B. W. Sept. 13, 1912
cards made out by M. C. W.

J	14	+2°	358	2	11.7	+2	53	8.0	54 on I 37433
J	15	+2°	360	2	12.0	+2	9	7.8	53 " "

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Wednesday, Sept. 11, 1912.

B 10376 short disp. (cont. from Bk 39, 106)

Time: 9.53

No.	Int.	Class	Remark
38	2	I_0	
39	4	I_2	
40	5	I_0	
41	2	I_5	
42	1	I_4	
43	2	I_5	
44	5	I_0	
45	2	I_0	
46	3	I_2	
47	1	I_4	
48	3	I_0	
49	1	I_0	
50	2	I_2	
51	2	I	Focus poor.
Time: 9.57 52	1	I	

Cont. in B 129, 154

38	−0°	260	1	33.4	− 0	19.7	8.9 ✓
39	+0°	272	1	33.9	+ 0	0.5	8.7 ✓
40	+0°	278	1	36.4	+ 0	10.5	8.5 ✓
41	−0°	264	1	36.6	− 0	55.0	8.3 ✓
42	−1°	224	1	31.7	− 1	32.5	9.0 ✓
43	−1°	229	1	32.7	− 1	27.8	8.5 ✓
44	−2°	270	1	33.1	− 2	20.0	8.3 ✓
45	−3°	291	1	31.8	− 3	0.9	8.8 ✓
46	−5°	296	1	33.1	− 5	12.0	8.4 ✓
47	−5°	297	1	33.4	−5	18.7	8.7 ✓
48	−6°	316	1	33.7	− 6	8.5	8.4 ✓
49	−5°	300	1	34.8	− 5	40.8	8.5 ✓
50	−5°	304	1	35.5	− 5	4.3	8.7 ✓
51	−5°	327	1	43.3	− 5	40.9	8.6 ✓
52	−0°	265	1	37.2	− 0	23.5	8.5 ✓

Identified by ANC. Sept. 11, 1912

Checked by J.B.W. Sept. 13, 1912

Cards made out by M. C. W.

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Wednesday, Sept. 11, 1912

Time: 10.05

B 10 360 chart displ (cont. from B 4 39.78)

No.	Int.	Class	Remark
51	3	F5	
52	3	F8	
53	4	G0	
54	4	G5	
55	3	G0	
56	2	A0	
57	3	G5	
58	2	G0	
59	4	F5	
60	3	G5	
61	2	G5	
62	2	F5	
63	3	G0	
64	3	F8	
65	2	K0	
66	3	K0	
67	2	F8	
68	2	K0	
69	2	K2	
70	2	K0	
71	2	G5	
72	2	G0	
73	2	G	
74	3	F8	
75	2	F5	
76	3	K0	
77	2	G0	

51	−5°	296	1	33.1	−5	12.0	8.4 ✓
52	−5°	297	1	33.4	−5	18.7	8.7 ✓
53	−6°	316	1	33.7	−6	8.5	8.4 ✓
54	−6°	315	1	33.6	−6	54.0	8.5 ✓
55	−7°	275	1	33.0	−7	21.6	9.0 ✓
56	−7°	277	1	33.7	−7	27.6	9.2 ✓
57	−7°	280	1	34.2	−7	31.9	8.9 ✓
58	−7°	279	1	33.8	−7	48.2	9.3 ✓
59	−8°	289	1	32.8	−8	10.8	8.5 ✓
60	−7°	270	1	30.9	−7	39.0	8.7 ✓
61	−8°	269	1	26.8	−8	18.6	8.2 ✓
62	−8°	273	1	27.5	−8	7.0	8.6 ✓
63	−8°	274	1	28.1	−8	18.7	8.2 ✓
64	−8°	278	1	29.6	−8	11.1	8.3 ✓
65	−9°	313	1	31.4	−9	15.1	8.5 ✓
66	−10°	357	1	34.0	−10	42.1	8.6 ✓
67	−9°	321	1	34.8	−9	31.2	8.8 ✓
68	−9°	322	1	34.9	−9	5.7	8.3 ✓
69	−8°	312	1	40.3	−8	36.3	8.3 ✓
70	−9°	338	1	39.9	−9	9.6	8.5 ✓
71	−9°	343	1	41.7	−9	5.0	8.5 ✓
72	−8°	327	1	44.5	−8	49.6	8.8 ✓
73	−6°	348	1	43.2	−6	30.4	9.0 ✓
74	−6°	351	1	43.8	−6	11.6	8.8 ✓
75	−6°	330	1	37.7	−6	30.4	9.1 ✓
76	−6°	327	1	36.6	−6	15.0	8.5 ✓
77	−5°	333	1	46.5	−5	30.5	8.7 ✓

Cards made out

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Wednesday Sept. 11, 1912.
B10360 Lick 5° disp.

No.	Int.	Class	Remark
78	3	F2	
79	2	A	
80	2	G5	
81	2	K0	
82	3	F5	
83	2	F	
84	2	F2	
85	2	F0	

Time: 12h 15m 46s

86	3	K0
87	3	G8
88	2	F5
89	3	K0

78	−5°	336	1	46.6	−5	59.2	8.6	✓
79	−6°	361	1	47.5	−6	22.4	9.1	✓
80	−5°	353	1	50.4	−5	56.2	8.8	✓
81	−5°	365	1	52.9	−5	23.8	8.9	✓
82	−5°	361	1	51.8	−5	24.2	8.5	✓
83	−9°	353	1	46.8	−9	22.0	8.3	✓
84	−10°	391	1	44.9	−10	17.9	8.5	✓
85	−11°	360	1	44.4	−11	0.8	9.2	✓

Identified by AMC. Sept. 11, 1912
Checked by J.B.W. Sept. 13, 1912
cards made out by M. C. W.

✓ 86	−9	372	1	51.8	−9	42	8.5	7 1 on J37402
87	−7°	337	1	52.3	−7	5	8.3	
88	−6°	373	1	50.9	−6	45	8.8	
✓ 89	−12	349	1	47.1	−12	21	7.8	11 8 on B2457b

87 & 88 ident on cards by M.G.H. Mar. 3, 1916
Nos. 87 & 88 ident in book by J.C.M. March 4, 1916.

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Wednesday Sept. 11, 1912.

Time: 11.00

B2376 2 shot exp (cont from Bk 38 p.)

No.	Int.	Class	Remark
117	3	F5	
118	2	F0	
119	2	K0	
120	3	G5	
121	3	K0	
122	1	K	
123	3	F2	
124	3	G0	
125	4	G0	
126	4	G5	
127	8	G	E.
128	2	K	E.
129	2	G5	
130	7	K0	
131	8	F5	
132	2	K2	
133	4	K0	
134	4	K0	
135	6	K0	
136	1	K	
137	4	F5	
138	7	K0	
139	3	K0	
Tuesday 140	3	G	E.
141	3	A0	
142	3	F2	
143	2	F5	

117	-25°	575	1	20.5	-25	10.8	8.9 ✓
118	-25°	576	1	20.7	-25	47.9	8.9 ✓
119	-25°	578	1	21.4	-25	29.2	9.0 ✓
120	-26°	480	1	21.5	-26	35.9	8.4 ✓
121	-26°	484	1	22.8	-26	23.8	8.3 ✓
122	-25°	608	1	23.5	-25	47.9	9.1 ✓
123	-25°	612	1	24.2	-25	42.2	8.6 ✓
124	-26°	617	1	24.6	-26	35.5	9.1 ✓
125	-25°	613	1	24.3	-25	58.5	8.7 ✓
126	-26°	503	1	24.6	-26	2.8	9.1 ✓
127	-26°	518	1	25.9	-26	10.0	9.1 ✓
128	-25°	630	1	26.5	-25	56.7	8.7 ✓
129	-27°	463	1	17.4	-27	52.4	9.1 ✓
130	-27°	495	1	22.2	-27	45.4	7.2 ✓
131	-28°	451	1	22.2	-28	41.6	7.6 ✓
132	-28°	453	1	22.3	-28	54.8	8.9 ✓
133	-29°	464	1	22.0	-29	32.6	7.4 ✓
134	-30°	475	1	21.0	-30	7.6	8.3 ✓
135	-29°	477	1	24.4	-29	30.0	7.5 ✓
136	-29°	478	1	24.6	-29	54.8	8.3 ✓
137	-28°	471	1	25.4	-28	44.6	8.3 ✓
138	-28°	475	1	26.1	-28	20.4	7.5 ✓
139	-27°	508	1	24.2	-27	36.4	8.2 ✓
140	-27°	519	1	25.4	-27	26.4	8.7 ✓
141	-26°	564	1	17.6	-26	44.6	9.0 ✓
142	-26°	533	1	14.8	-26	12.4	9.3 ✓
143	-24°	558	1	11.6	-24	60.0	9.3 ✓

Cards made out

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Wednesday, Sept. 11, 1912.

B 23762 short disp.

No.	Int	Class	Remark
144	2	fg5	
145	2	fg5	
146	2	fg5	
147	2	Jf0	
148	2	fg0	
149	2	fg5	
150	2	Jf5	Another star superposed.
151	1	Jf0	
152	2	Jf8	
153	1	Jf5	
154	1	Jf2	
155	2	Jf0	
156	2	Jf8	
157	2	fg5	
158	2	Jf2	
159	2	fg0	
160	2	Jf8	
161	3	Jf5	
162	3	fg0	
163	3	Jf0	
164	3	Jf5	
165	2	Af5	
166	3	fg5	
167	3	Jf5	
168	2	Jf0	
169	2	Jf2	
170	1	Jf0	

144	-24°	5h2	1	8.4	-24	29.6	g.1 ✓
145	-24°	5h2	1	6.4	-24	40.0	g.1 ✓
146	-23°	4h54	1	8.3	-23	41.1	8.6 ✓
147	-23°	4h38	1	6.2	-23	19.9	8.6 ✓
148	-24°	5h10	1	9.1	-24	3.3	8.9 ✓
149	-24°	4h98	1	1.6	-24	38.0	g.5 ✓
150	-24°	4h92	1	0.9	-24	8.8	g.5? able to superpond on 6.03 ??
151	-23°	4h04	1	0.9	-23	54.2	8.7 ✓
152	-25°	4h66	1	4.8	-25	15.6	g.3 ✓
153	-25°	4h65	1	4.6	-25	18.3	g.1 ✓
154	-26°	3h48	0	58.4	-26	16.0	g.1 ✓
155	-25°	4h10	0	56.6	-25	58.6	g.0 ✓
156	-27°	3h40	0	56.7	-27	39.8	g.2 ✓
157	-28°	3h18	0	56.9	-28	17.0	8.6 ✓
158	-27°	3h26	0	54.7	-27	53.8	8.9 ✓
159	-27°	3h24	0	54.6	-27	47.8	g.3 ✓
160	-27°	3h22	0	54.4	-27	35.1	g.1 ✓
161	-27°	3h12	0	53.0	-27	12.4	g.1 ✓
162	-27°	3h09	0	52.6	-27	29.4	8.8 ✓
163	-26°	3h11	0	51.7	-26	58.9	8.6 ✓
164	-27°	4h53	81	16.0	-27	21.6	g.2 ✓
165	-27°	~~4h22~~ 4h43	1	14.7	-27	1.8	g.1 ✓
166	-26°	4h31	1	13.5	-26	18.9	8.7 ✓
167	-26°	4h25	1	12.7	-26	49.3	g.0 ✓
168	-28°	3h98	1	12.7	-28	9.6	8.7 ✓
169	-28°	3h87	1	10.5	-28	28.6	8.6 ✓
170	-28°	3h84	1	9.6	-28	56.1	8.8 ✓

Cards made out

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Wednesday. Sept. 11. 1912
73 23762 short disp.

Nr.	Int.	Class	Remark
171	2	Ip	
172	2	Ip	
173	1	Ip	
174	2	Fs	Focus poor.
175	3	Ip	
176	3	fg	E.
177	2	Ip2	E.
Time: 11.17 178	2	Ip	E.

171	-29°	386	i	8.4 - 29	18.5	9.0 v
172	-27°	385	i	5.5 - 27	46.8	9.0 v
173	-28°	356	i	8.3 - 28	47.5	9.0 v
174	-30°	329	0	58.1 - 30	2.8	9.5 v
175	-29°	298	0	55.2 - 29	33.8	8.5 v
176	-28°	297	0	51.8 - 28	52.9	8.7 v
177	-28°	299	0	51.8 - 28	48.5	9.0 v
178	-28°	287	0	49.7 - 28	34.5	9.0 v

Identified by AMC. Feb. 25, 1913
Checked by J.C.M. Feb. 25, 1913
cards made out by Miss C. W.
Cards checked by AMC

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Wednesday, Sept. 11, 1912

B12228 Hosk

Continued from Book 38, 152

No.	Int.	Class	Remark
14	2	F5	
15	3	G0	
16	3	F0	
17	2	G0	
18	2	G	Partly superposed on 19
19	2	K2	
20	3	K0	
21	4	K0	
22	3	K0	
23	2	F5	
24	5	F0	
25	1	K	
26	2	K0	
27	2	K0	
28	2	F5	
29	3	F0	
30	2	G5	
31	1	G	
32	3	G5	
33	2	F8	
34	2	F5	
35	1	G5	
36	4	Q3	
37	3	G5	
38	1	G	
39	2	G0	

14	-36°	612	1	30.4	-36	38.3	8.5 ✓
15	-35°	552	1	29.1	-35	58.6	7.7 ✓
16	-37°	604 / 605	1	30.6 / 30.6	-37 / -37	56.4 / 55.4	8.7 / 9.5 ✓ major 45 -37° 605 superposed
17	-38°	538	1	29.4	-38	32.3	8.7 ✓
18	-39°	475	1	30.3	-39	12.3	8.3 ✓
19	-39°	474	1	30.3	-39	15.9	8.3 ✓
20	-39°	446	1	26.7	-39	44.6	8.5 ✓
21	-39°	414	1	22.1	-39	47.8	8.0 ✓
22	~~-33°~~ -41°	~~679~~ 390	1	~~40.7~~ 23.8	~~-33~~ -41	~~-38.6~~ 30.1	~~9.4~~ 7.9 ✓
23	~~-33°~~ -41°	~~644~~ 376	1	~~41.7~~ 24.3	~~-33~~ -41	~~19.4~~ 64.1	8.4 ✓
24	~~-33°~~ -41°	~~606~~ 397	1	~~39.0~~ 24.3	~~-33~~ -41	~~27.4~~ 50.4	8.3 ✓
25	-39°	473	1	30.2	-39	53.6	8.5 ✓
26	-39°	479	1	31.2	-39	50.2	8.6 ✓
27	-38°	560	1	32.3	-38	21.3	8.6 ✓
28	-38°	594	1	38.7	-38	37.7	8.8 ✓
29	-38°	602	1	40.8	-38	33.9	8.5 ✓
30	-37°	663	1	38.4	-37	54.3	8.3 ✓
31	-37°	675	1	39.5	-37	4.6	8.7 ✓
32	-36°	664	1	39.9	-36	43.6	7.9 ✓
33	-36°	648	1	37.5	-36	26.8	8.7 ✓
34	-36°	678	1	42.4	-36	56.1	8.5 ✓
35	-37°	691	1	42.9	-37	28.4	8.7 ✓
36	-36°	707	1	46.7	-36	51.7	8.3 ✓
37	-38°	637	1	47.3	-38	39.3	8.3 ✓
38	-38°	643	1	48.5	-38	23.7	8.6 ✓
39	-34°	~~560~~ 556	1	~~21.0~~ 20.7	~~-34~~ -34	~~49.1~~ 32.6	~~9.2~~ 8.4 ✓

cards made out

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Wednesday Sept. 11, 1912

B 12227 Short.

No	Set	Clear	Remarks
40	22	22	
41	22	30	
42	3	Nb	8, 6, 10

40	−34°	~~560~~ 564	1	~~21.0~~ 21.5	−34	~~49.1~~ 59.2	~~9.2~~ 9.0	J
41	−34°	597	1	26.3	−34	3.9	8.7	✓

Identified by AMC Sept. 12, 1912

Checked by J. C. M. Sept. 1912.

Cards made out by M. C. W.

Cards checked by E. E. W.

42 −33 525 1 21.2 −33 12 8.0 R Sculptoris

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Wednesday, Sept 11, 1912

B 2.0247 Shot

No.	Shot	Class	Remark
1	3	K2	
2	2	F5	
3	5	K0	
4	5	F5	
5	2	G0	
6	5	F5	
7	6	A2	
8	2	G0	
9	1	K	
10	1	G5	
11	7	F0	
12	7	K0	
13	4	F5	
14	4	A2	
15	2	K5	
16	1	G5	
17	1	K2	
18	6	K2	
19	4	G0	
20	1	G	
21	7	F2	
22	2	G5	
23	2	F5	
24	4	G5	
25	1	G	Partly superposed on 24
26	8	K0	
27	1	G0	

1	−38°	653	1	50.7	−38	26.0	7.8	∧ J
2	−38°	655	1	51.5	−38	32.7	9.2	∧ J
3	−38°	660	1	51.9	−38	6.7	8.0	∧ J
4	−37°	750	1	52.3	−37	35.0	8.5	∧ J
5	−37°	752	1	52.7	−37	31.4	8.7	∧ J
6	−37°	760	1	53.5	−37	38.0	8.3	∧ J
7	−37°	767	1	54.5	−37	58.3	8.5	∧ J
8	−38°	672	1	54.3	−38	33.3	8.9	∧ J
9	−38°	673	1	54.6	−38	43.8	8.7	∧ J
10	−37°	781	1	57.5	−37	31.2	9.0	∧ J
11	−37°	788	1	58.2	−37	48.3	8.0	∧ J
12	−37°	802	2	1.3	−37	42.6	7.3	∧ J
13	−38°	701	2	0.9	−38	24.9	8.3	∧ J
14	−38°	706	2	1.8	−38	41.9	8.5	∧ J
15	−39°	628	2	2.4	−39	59.2	8.8	∧ J
16	−39°	637	2	4.8	−39	51.3	9.0	∧ J
17	−39°	640	2	5.6	−39	43.8	8.6	∧ J
18	−38°	725	2	5.4	−38	57.9	7.5	∧ J
19	−38°	717	2	4.3	−38	23.4	8.7	∧ J
20	−38°	713	2	3.4	−38	2.8	9.1	∧ J
21	−37°	819	2	4.8	−37	58.7	8.0	∧ J
22	−37°	795	2	2.0	−37	41.2	8.9	∧ J
23	−38°	743	2	8.0	−38	21.4	9.3	∧ J
24	−37°	844	2	9.1	−37	41.1	8.7	∧ J
25	−37°	847	2	9.2	−37	40.2	9.6	∧ J
26	−38°	755	2	9.6	−38	7.0	7.3	∧ J
27	−38°	759	2	10.9	−38	25.9	8.7	∧ J

Cards made out

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Wednesday Sept. 11, 1912

B 20 247 Short.

No.	Int	class	Remarks
28	2	K2	
29	2	A0	
30	2	G0	
31	1	K	
32	1	K	
33	1	K	

28	−37°	866	2	12.1	−37	43.2	8.3	1 J
29	−39°	662	2	10.8	−39	2.4	9.2	1 V
30	−38°	659	2	9.8	−39	39.3	9.1	1 J
31	−38°	769	2	13.3	−38	30.3	8.5	1 J
32	−39°	670	2	12.9	−39	12.3	8.7	1 J
33	−38°	790	2	16.8	−38	29.9	9.0	1 J

Identified by Anne. Sept. 12, 1912

Checked Oct. 15. 1912. DAW.

cards made out

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Thursday November 28, 1912.

Sirius 11:04

B 24596 Short disp.

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

1	-20°	20	0	5.3	-20	0.0	8.9	∧ ∨
2	-19°	14	0	5.0	-19	20.3	9.0	∧ /
3	-20°	16	0	4.4	-20	30.8	9.0	∧ ∪
4	-20°	9	0	2.8	-20	47.4	9.0	∧ ∨
5	-21°	8	0	3.0	-21	11.5	9.4	∧ ∫
6	-22°	12	0	2.2	-22	11.3	8.3	∧ ∪
7	-22°	14	0	2.3	-22	42.7	9.0	∧ /
8	-22°	16	0	3.2	-22	56.6	8.5	∧ ∪
9	-22°	15	0	2.4	-22	53.4	9.0	∧ ∪
10	-22°	9	0	1.8	-22	52.1	9.1	∧ ∨
11	-22°	5	0	0.9	-22	38.9	8.2	∧ ∫
12	-22°	6265	23	59.8	-22	50.2	9.4	∧ ∨
13	-22°	6263	23	59.6	-22	38.1	8.4	∧ ∨
14	-22°	6261	23	59.1	-22	18.3	8.5	∧ ∪
15	-22°	6264	23	59.7	-22	5.4	9.3	∧ ∪
16	-21°	6538 7	23	59.4	-21	53.3	9.0	∧ ∨
17	-21°	6533 4	23	59.0	-21	39.0	9.2	∧ ∪
18	-21°	6532	23	58.5	-21	27.1	9.2	∧ ∨
19	-21°	6538 29	23	57.9	-21	31.5	9.3	∧ ∫
20	-21°	6529 8	23	57.8	-21	31.6	9.2	∧ ∪
21	-21°	6528 7	23	57.7	-21	25.5	8.8	∧ ∫
22	-21°	6526	23	57.8 2	-21	43.1	9.0	∧ ∨
23	-21°	6521	23	56.6	-21	41.5	9.1	∧ ∪
24	-21°	6524	23	56.9	-21	42.2	8.8	∧ ∪
25	-23°	6251	23	55.3	-22	42.0	8.3	∧ ∪
26	-23°	19020	23	55.7	-23	1.3	9.1	∧ ∨
27	-23°	19031	23	55.9	-23	22.3	9.3	∧ ∨

cards made out

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Thursday November 28, 1912.

B24 596 Short disp.

No.	Int.	Class	Remarks
28	7	y_5	
29	7	y_5	
30	5	K_0	
31	8	y_0	
32	2	a_0	
33	3	y_5	
34	8	a_2	
35	3	K_0	
36	2	K_0	
37	2	y_5	
38	6	F_5	
39	5	F_5	
40	2	y_0	
41	7	y_5	
42	4	a_0	
43	3	y_0	
44	3	a_3	
45	3	y_5	
46	5	K_0	
47	3	y_5	
48	3	K_2	
49	6	F_0	
50	3	y_5	
51	4	F_8	
52	8	F_5	
53	2	y_5	
54	4	K_5	

28	−23°	19014	23	54.6	−23	28.8	8.2 ∧∨
29	−23°	19013	23	54.3	−23	22.3	8.2 ∧∨
30	−23°	19012	23	53.8	−23	17.3	8.7 ∧∨
31	−23°	19008	23	53.5	−23	7.8	7.9 ∧∨
32	−23°	19005	23	52.7	−23	3.3	9.6 ∧∨
33	−22°	6235	23	50.9	−22	42.5	9.0 ∧∨
34	−22°	6232	23	50.7	−22	42.5	8.5 ∧∨
35	−22°	6226	23	49.1	−22	25.8	9.0 ∧∨
36	−22°	6247	23	54.1	−22	56.8	9.1 ∧∨
37	−22°	6245	23	53.5	−22	27.5	9.2 ∧∨
38	−22°	6246	23	53.8	−22	12.6	8.6 ∧∨
39	−21°	6517	23	54.7	−21	40.4	8.8 ∧∨
40	−22°	6252	23	55.3	−22	2.8	9.2 ∧∨
41	−21°	6516	23	53.7	−21	30.5	8.3 ∧∨
42	−21°	6515	23	53.5	−21	14.0	8.8 ∧∨
43	−21°	6513	23	52.6	−21	43.0	9.0 ∧∨
44	−21°	6512	23	52.5	−21	48.9	9.2 ∧∨
45	−21°	6511	23	51.9	−21	44.7	9.0 ∧∨
46	−21°	6508	23	51.6	−21	25.8	8.4 ∧∨
47	−20°	6687	23	52.5	−20	50.4	9.0 ∧∨
48	−20°	6673	23	49.1	−20	59.2	8.7 ∧∨
49	−21°	6499	23	48.5	−21	16.5	8.6 ∧∨
50	−22°	6224	23	47.7	−22	25.8	9.1 ∧∨
51	−22°	6217	23	46.2	−22	25.6	8.5 ∧∨
52	−22°	6215	23	45.4	−22	16.9	7.8 ∧∨
53	−22°	6212	23	44.9	−22	2.8	9.1 ∧∨
54	−21°	6488	23	44.0	−21	35.6	8.6 ∧∨

cards made out

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Thursday November 28, 1912.

B 24596 Short disp

No.	Int.	Class	Remark
55	3	K5	
56	3	G0	
57	5	F8	
58	3	G5	
59	3	Ma	
60	2	K0	
61	1	K5	
62	4	A0	
63	4	K0	
64	4	G0	
65	3	K0	
66	3	K0	
67	4	G5	
68	6	G0	
69	4	K2	
70	4	~~F8~~ K8	An error in recording first plate, as I now make K8.
71	2	G5	
72	1	K0	
73	2	G0	
74	4	K0	
75	3	K5	
76	1	F5	
77	1	A0	
78	2	K0	
79	3	K0	
80	4	G0	

55	−21°	6491	23	46.1	−21	1.8	g.0	∧ ∨
56	−20°	6674	23	49.2	−20	31.2	g.0	∧ ∫
57	−20°	6672	23	49.1	−20	36.1	g.0	∧ ∫
58	−20°	6667	23	47.5	−20	5.9	g.4	∨ ∨
59	−19°	6541	23	47.5	−19	32.6	g.0	∧ ∨
60	−21°	4	0	1.0	−21	50.0	g.0	∧ ∪
61	−21°	6533	23	58.9	−21	5.6	g.3	∧ /
62	−20°	6720	23	59.0	−20	52.4	g.5	∧ ∨
63	−20°	6723	23	59.4	−20	43.0	g.1	∧ ∫
64	−20°	6718	23	58.4	−20	28.3	g.0	∧ ∨
65	−20°	6719	23	58.7	−20	6.9	g.1	∧ ∫
66	−20°	4	0	1.0	−20	1.9	g.1	∧ ∨
67	−20°	3	0	0.9	−20	1.0	g.1	∧ ∫
68	−20°	6710	23	57.5	−20	13.0	8.8	∧ ∫
69	−20°	6709	23	57.2	−20	14.8	8.8	∧ ∫
70	−23°	19038	23	59.3	−23	12.3	8.7	∧ ∨
71	−23°	19032	23	57.6	−23	12.3	g.1	∧ ∫
72	−23°	19029	23	57.4	−23	21.3	g.3	∧ ∫
73	−22°	6269	23	58.5	−22	28.1	g.3	∧ ∫
74	−23°	19034	23	57.9	−23	56.6	8.7	∧ ∨
75	−23°	19028	23	57.1	−23	57.6	g.0	∧ ∨
76	−24°	17962	23	56.9	−24	19.1	8.4	∧ ∨
77	−24°	17956	23	56.4	−24	34.8	g.0	∧ ∫
78	−24°	17961	23	56.8	−24	34.3	g.2	∧ ∨
79	−24°	17946	23	54.6	−24	7.6	g.0	∧ /
80	−24°	17944	23	54.6	−24	8.1	g.1	∧ ∨

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Thursday November 28, 1912.

B 24596 Short diffs.

No.	Int.	Class	Remarks
81	7	F8	
82	4	F8	
83	10	A2	
84	4	F5	
85	6	G5	
86	5	F5	
87	4	F0	
88	2	G0	
89	1	K0	
90	6	F5	
91	3	K0	
92	7	F5	
93	2	F5	
94	5	A0	
95	7	A0	
96	4	A2	
97	8	K0	
98	7	K0	
99	8	F5	
100	9	G0	11:25 Mos. 29 10.08
101	2	K0	
102	3	K0	
103	6	K5	
104	1	K5	
105	1	K5	
106	1	K0	
107	2	F5	

81	-24°	17941	23	53.9	-24	8.4	8.7	^ ı
82	-23°	19004	23	52.5	-23	42.6	8.8	^ ı
83	-24°	17934	23	52.1	-24	51.8	7.5	^ N
84	-24°	16709	23	50.4	-25	7.7	8.8	^ ı
85	-25°	16700	23	49.5	-25	4.6	8.5	^ J
86	-24°	17911	23	49.2	-24	55.7	8.4	^ ı
87	-24°	17913	23	49.4	-24	18.1	8.6	^ J
88	-23°	18087	23	49.4	-23	39.6	9.0	^ J
89	-23°	18086	23	49.1	-23	42.6	9.2	^ J
90	-23°	18084	23	48.2	-23	43.6	8.7	^ J
91	-24°	17893	23	46.6	-24	15.1	9.0	^ ı
92	-24°	17883	23	45.4	-24	46.7	8.7	^ ı
93	-24°	17882	23	45.1	-24	27.4	9.1	^ J
94	-24°	17880	23	44.8	-24	7.6	9.3	^ J
95	-23°	18065	23	44.4	-23	58.3	9.6	^ J
96	-23°	18056	23	43.2	-23	48.4	9.2	^ ı
97	-23°	18052	23	42.7	-23	54.8	8.2	^ J
98	-23°	18045	23	41.4	-23	43.3	8.3	^ J
99	-23°	18044	23	41.4	-23	18.3	8.4	^ J
S.Dm. 100	-22°	16472	23	40.9	-22	58.1 ~~57.8~~	7.7	^ N
101	-23°	18062	23	40.0	-23	35.2	9.3	^ J
102	-23°	18063	23	40.2	-23	9.8	9.3	^ J
S.Dm 103	-22°	16472	23	40.0	-22	57.3	7.7	^ ı
S.Dm 104	-22°	16466	23	39.1	-22	53.1	9.4	^ J
S.Dm. 105	-22°	16463	23	38.9	-22	53.5	9.3	^ J
106	-22°	6202	23	38.4	-22	38.9	9.1	^ J
107	-22°	6208	23	38.3	-22	37.0	9.4	^ J

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Friday, Nov. 29, 1912.

B324596 short disp.

No.	Int.	Class	Remark
108	2	h_0	
109	1	h_5	
110	1	h_0	
111	1	h_5	
112	2	J_0	
113	2	J_8	
114	2	h_0	
115	3	J_2	
116	3	A_0	
117	2	h_5	
118	2	J_0	
119	2	h_5	
120	4	J_5	
121	4	J_5	
122	3	J_2	
123	3	J_8	
124	4	h_5	
125	3	h_0	
126	2	J_5	
127	3	h_5	Partly superposed on 128.
128	4	h_5	
129	5	h_5	
130	4	J	
131	1	J_8	
132	2	J_0	
133	3	K_0	
134	3	h_0	

C.M.	~~-22°~~	~~16496~~	~~23~~	~~47.4~~	~~-22~~	~~59.8~~	~~9.4~~	
	-22°	6234	23	50.8	-22	58.3	9.4	∨
109	-23°	18088	23	49.5	-23	14.3	9.4	∧ ∨
110	-23°	18090	23	50.2	-23	34.2	9.4	∧ ∨
111	-23°	18094	23	51.0	-23	17.3	9.5	∧ ∨
112	-23°	18097	23	51.1	-23	46.1	9.0	∧ ∨
D.M.	~~-22~~	6234	23	~~50.8~~	~~-22~~	~~58.3~~	~~9.4~~	
C.D.M.	113 -22°	16531	23	51.8	-22	51.5	9.6	∨
114	~~-23°~~ -24°	17937	23	52.5	~~-23~~ -24	21.3	8.9	∧ ∨
115	~~-24~~ -25°	~~16769~~ 16769	23	57.1	~~-24~~ -25	27.0	8.8	∧ ∨
116	-25°	16760	23	56.4	-25	38.0	9.1	∧ ∨
117	-25°	16743	23	54.1	-25	24.0	9.3	∧ ∨
118	-25°	16740	23	53.8	-25	38.0	9.0	∧ ∨
119	-23°	70	0	9.6	-23	7.3	9.0	∧ ∨
120	-22°	29	0	7.0	-22	22.7	9.0	∧ ∨
C.D.M.	121 -22°	33	0	6.5	-22	57.9	8.5	∧ ∨
122	-23°	47	0	6.8	-23	37.9	8.5	∧ ∨
123	-23°	29	0	4.0	-23	28.5	9.0	∧ ∨
124	-23°	7	0	0.8	-23	48.1	8.7	∧ ∨
125	-24°	2	0	0.2	-24	6.1	9.1	∧ ∨
126	-24°	17980	23	59.8	-24	13.6	9.0	∧ ∨
127	-22°	37	0	9.3	-22	21.0	8.9	∧ ∨
128	-22°	38	0	9.3	-22	24.3	9.0	∧ ∨
129	-20°	32	0	9.0	-20	12.0	8.0	∧ ∨
130	-19°	19	0	7.1	-19	54.8	9.0	∧ ∨
131	-20°	6695	23	57.3	-20	0.1	9.5	∧ ∨
132	-19°	6560	23	54.1	-19	57.1	9.2	∧ ∨
133	-19°	6558	23	53.8	-19	49.3	9.0	∧ ∨
134	-19°	6548	23	51.1	-19	45.8	9.4	∧ ∨

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Friday, Nov. 29, 1912.
B3245-96 short disp.

Thr.	Int.	Class	Remark
135	2	F8	
Time: 10.18 136	3	K0	
~~137~~			
137	7	F8	
138	6	K0	
139	5	F5	
140	7	K0	

enh. 137, 140

135	-19°	6546	23	50.6	-19	46.5	9.4	1V	
136	-19°	6544	23	49.8	-19	12.1	9.0	1V	

Identified by AMC. Dec. 5, 1912
Checked Dec. 17 1912 DOW
cards made out by Mr. C.W.
Cards checked by E.R.B.

137	-22	18	0	3.9	-22	3	7.8	6	~ B, 0.09
138	-19	2	0	0.6	-19	29	8.0	42	"
139	-19	10	0	4.1	-19	31	8.8	45	"
140	-21°	6492	23	46.2	-21	19	7.2	54	"

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Wednesday Oct. 28, 1914

Cont from page 22 B 1874 35 cloud

	No.	Int.	Class	Remark
✓	101	4	Ma	
✓	102	3	F8	
✓	103	2	A0	
✓	104	2	F5	
✓	105	2	K0	
✓	106	2	A2	
✓	107	2	A0	
✓	108	2	A0	
✓	109	2	A0	
✓	110	2	A0	
✓	111	1	G0	
✓	112	1	A0	
✓	113	1	A0	
✓	114	2	A2	
✓	115	1	G5	Partly superp. on 114
✓	116	2	A3	
✓	117	1	G5	
✓	118	1	F5	
✓	119	1	K5	
✓	120	2	A5	Annular star superp.
✓	121	1	F5	
✓	122	1	G5	
✓	123	1	A2	
✓	124	1	A	
✓	125	1	K2	
✓	126	2	A2	
✓	127	1	F8	

101	−39°	3653	7	45.1	−39	56	7.3 ✓
102	−39°	3669	7	45.7	−39	53	8.9 ✓
103	−40°	3520	7	45.4	−40	4	9.1 ✓
104	−39°	3674	7	45.8	−39	12	9.0 ✓
105	−38°	3707	7	45.7	−38	46	9.0 ✓
106	−38°	3700	7	45.4	−38	48	9.5 ✓
107	−38°	3697	7	45.3	−38	37	9.6 ✓
108	−38°	3723	7	46.6	−38	0	9.5 ✓
109	−37°	3930	7	44.2	−37	8	9.0 ✓
110	−37°	3915	7	43.3	−37	9	9.4 ✓
111	−36°	3912	7	43.7	−36	58	9.0 ✓
112	−36°	3903	7	43.2	−36	49	9.3 ✓
113	−36°	3906	7	43.3	−36	59	9.3 ✓
114	−36°	3940	7	45.3	−36	41	9.3 ✓
115	−36°	3944	7	45.4	−36	48	8.7 ✓
116	−36°	3884	7	42.3	−36	16	9.1 ✓
117	−36°	3866	7	41.4	−36	37	8.9 ✓
118	−37°	3854	7	40.5	−37	2	9.7 ✓
119	−36°	3841	7	39.7	−36	52	9.0 ✓
120	−36°	3788	7	35.4	−36	53	8.5 ✓
121	−37°	3784	7	36.4	−37	11	9.1 ✓
122	−37°	3786	7	36.6	−37	21	9.3 ✓
123	−37°	3761	7	35.0	−37	37	9.5 ✓
		3756	7	34.8	−37	38	9.8
124	−37°	3751	7	34.3	−37	39	9.5
125	−36°	3765	7	33.6	−36	14	9.3 ✓
126	−35°	3773	7	35.6	−35	15	8.9 ✓
127	−35°	3777	7	36.2	−35	21	9.0 ✓

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No.	Int.	class	Remark
✓ 128	1	A0	
✓ 129	1	F0	
✓ 130	3	A0	
✓ 131	6	B8	
✓ 132	1	A0	
✓ 133	3	A0	
✓ 134	1	K2	
✓ 135	2	A3	
✓ 136	3	B9	
✓ 137	3	F0	
✓ 138	2	F0	
✓ 139	3	A5	
✓ 140	3	A2	
✓ 141	2	F0	Partly superp. on 147
✓ 142	3	G0	
✓ 143	2	F8	
✓ 144	5	A0	Superposed on a star of the south-
✓ 145	4	G0	
✓ 146	1	K	Partly superp. on 145
147	5	B8	
148	3	A5	

cont. 134, 78

128	−35°	3781	7	36.7	−35	17	9.4	✓
129	−34°	3827	7	38.1	−34	52	9.0	✓
130	−35°	3844	7	41.0	−35	3	9.1	✓
131	−35°	3849	7	41.3	−35	3	8.3	✓
132	−35°	3946	7	46.4	−35	54	9.8	✓
133	−35°	3990	7	48.7	−35	30	9.5	✓
134	−35°	3992	7	48.8	−35	18	9.0	✓
135	−35°	4000	7	49.5	−35	24	9.0	✓
136	−35°	4018	7	50.3	−35	15	9.1	✓
137	−34°	4096	7	50.3	−35	0	8.7	✓
138	−36°	4041	7	52.2	−36	27	8.7	✓
139	−36°	4008	7	49.6	−36	59	8.8	✓
140	−37°	4061	7	51.9	−37	40	9.0	✓
141	−37°	4096	7	53.3	−37	40	9.1	✓
142	−37°	4099	7	53.4	−37	41	9.3	✓
143	−35°	4035	7	51.7	−35	13	9.0	✓
144	−37°	3855	7	40.5	−37	48	8.6	✓ −37° 3860 aup. 8.0
145	−39°	3854	7	25.8	−39	20	8.3	✓
146	−39°	3356	7	25.9	−39	24	8.2	✓

Identified on cards by Anne. Oct. 28, 1914

Identified in book by JCM. Nov. 19, 1914.

Identification compared by C.R.B. Nov. 20, 1914

✓ 147	−36	3832	7	38.1	−36	48	8.3	13m B2614.15
✓ 148	−36	8739	7	31.6	−36	22	9.4	345m B20670

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