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Thursday, June 6, 1912

B 24103 short defs.

Time: 11.19

No.	Int.	Class	Remark
1	8	A	E.
2	3	K	E.
3	2	K2	E.
4	2	K	E.
5	5	K0	
6	5	A2	
7	8	K0	
8	4	K2	
9	7	F0	
10	4	K0	
11	5	G0	
12	8	K0	
13	6	K0	
14	3	K2	
15	7	A0	
16	5	K0	
17	5	F8	
18	4	A0	
19	1	K0	
20	8	F5	
21	4	G0	
22	3	A5	
23	1	G0	
24	1	F0	
25	2	G5	
26	10	G5	
27	7	F0	

1	+1°	597	3	19.7	+1	46.2	7.5	^ v
2	+1°	595	3	18.9	+1	40.0	8.5	^ J
3	+1°	594	3	18.9	+1	9.3	8.7	^ v
4	+1°	590	3	17.4	+1	28.2	8.5	^ J
5	+1°	587	3	16.9	+1	34.5	8.5	^ J
6	+0°	586	3	16.8	+0	50.0	8.5	^ J
7	+0°	581	3	16.2	+0	24.3	7.2	^ J
8	+0°	579	3	15.3	+0	38.7	8.3	^ J
9	+0°	572	3	13.8	+0	x.1	8.4	^ J
10	+0°	571	3	13.5	+0	33.7	8.3	^ J
11	+0°	570	3	13.4	+0	38.2	8.0	^ J
12	+0°	567	3	12.6	+0	57.0	7.6	^ v
13	+0°	565	3	12.3	+0	39.7	8.3	^ J
14	-0°	533	3	13.8	-0	27.4	8.5	^ J
15	-0°	530	3	13.4	-0	41.5	8.1	^ v
16	-0°	532	3	13.7	-0	53.9	8.6	^ v
17	-1°	477	3	13.8	-1	3.6	8.6	^ v
18	-2°	607	3	13.1	-2	16.9	8.3	^ J
19	-2°	606	3	12.8	-2	3.8	9.1	^ J
20	-2°	604	3	12.7	-2	7.2	7.7	^ v
21	-2°	603	3	12.4	-2	35.7	8.7	^ v
22	-2°	598	3	11.2	-2	9.0	8.8	^ v
23	-1°	471	3	11.4	-1	48.9	9.3	^ J
24	-1°	470	3	11.3	-1	47.1	9.5	^ J
25	-1°	473	3	11.5	-1	33.3	9.3	^ v
26	-1°	469	3	11.0	-1	26.3	6.2	^ J
27	-0°	523	3	10.0	-0	42.0	8.5	^ v

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Thursday, June 6. 1912
B 2403 short disp.

Nr.	Int.	Class	Remark
28	9	A2	
29	4	F8	
30	2	G5	
31	5	F2	
32	4	F5	
33	2	K0	
34	3	K0	
35	1	G	
36	3	K0	
37	9	F8	
38	1	K	
39	5	F5	
40	2	K0	
41	3	Mb	
42	4	K5	
43	8	A0	
44	9	K0	
45	2	K0	
46	8	F2	
47	7	B9	E.
48	2	K5	E.
49	7	A3	E.
50	8	A0	
51	2	K5	
52	4	K0	
53	1	K	
54	5	K0	

28	+1°	574	3	9.7	+1	0.5	8.6 ^ /
29	+0°	558	3	9.6	+0	53.2	8.6 ^ v
30	+0°	556	3	9.2	+0	26.7	8.8 ^ /
31	−0°	517	3	8.8	−0	4.8	8.5 ^ /
32	+0°	553	3	8.6	+0	13.5	8.7 ^ v
33	+0°	550	3	8.0	+0	19.8	8.8 ^ /
34	+0°	548	3	7.5	+0	21.1	8.8 ^ /
35	−0°	515	3	7.0	−0	4.4	9.3 ^ v
36	−0°	514	3	6.7	−0	7.8	8.9 ^ v
37	+0°	532	3	6.6	+0	13.1	8.2 ^ v
38	+1°	570	3	8.0	+1	14.8	8.8 ^ v
39	+1°	569	3	7.9	+1	8.9	8.7 ^ /
40	+1°	568	3	7.7	+1	1.5	9.0 ^ /
41	+1°	567	3	7.4	+1	4.3	8.8 ^ v
42	+0°	581	3	6.0	+0	53.8	8.4 ^ v
43	+2°	498	3	5.3	+2	8.9	8.3 ^ v
44	+1°	561	3	3.4	+1	45.5	7.5 ^ /
45	+1°	558	3	2.9	+1	29.9	8.9 ^ v
46	+2°	491	3	2.4	+2	14.9	7.7 ^ v
47	+2°	488	3	1.7	+2	41.5	8.2 ^ v
48	+2°	487	3	1.6	+2	18.0	8.5 ^ /
49	+2°	482	3	0.2	+2	58.6	8.1 ^ /
50	+2°	478	2	59.3	+2	8.6	7.8 ^ /
51	+1°	541	3²	58.6	+1	47.6	8.3 ^ /
52	+1°	545	3²	59.1	+1	31.5	8.5 ^ /
53	+1°	543	3²	58.9	+1	27.3	8.8 ^ v
54	+1°	550	3	0.2	+1	16.9	8.5 ^ v

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Thursday. June 6 1912.
B324 103 short disp.

Nr.	Int.	Class	Remark
55	7	K0	
56	8	F0	
57	3	F5	
58	5	F5	
59	3	G5	
60	1	G	
61	4	F2	
62	2	F5	
63	6	K0	
64	7	F5	
65	2	G5	
66	4	K0	
67	10	K0	
68	3	F5	
69	6	K0	
70	1	K5	
71	3	F0	
72	9	A0	
73	4	F5	
74	6	K0	
75	1	A	Difficult.
76	4	G5	
77	2	F0	
78	7	A2	
79	6	F5	
80	2	F5	
81	7	K0	

55	+0°	522	3	0.2	+0	51.0	7.8	∧ ∨
56	+0°	531	3	2.4	+0	56.2	8.1	∧ ∨
57	+0°	530	3	1.8	+0	53.9	8.9	∧ ∨
58	+0°	529	3	1.5	+0	33.4	8.6	∧ ∨
59	+0°	524	3	0.3	+0	17.9	8.5	∧ ∨
60	+0°	528	3	0.2	+0	39.3	8.8	∨
61	+0°	517	2	59.2	+0	13.0	8.5	∧ ∨
62	+0°	518	2	59.3	+0	44.3	8.8	∧ ∨
63	+0°	515	2	58.5	+0	38.8	8.2	∧ ∨
64	+0°	511	2	57.8	+0	17.2	8.3	∧ ∨
65	+0°	512	2	57.8	+0	42.8	8.8	∧ ∨
66	+1°	536	2	57.8	+1	20.4	8.3	∧ ∨
67	+1°	534	2	57.2	+1	19.0	6.5	∧ ∨
68	+0°	506	2	56.0	+0	57.2	9.0	∧ ∨
69	+0°	503	2	55.7	+0	47.0	8.0	∧ ∨
70	+0°	507	2	56.4	+0	27.2	8.7	∧ ∨
71	−0°	486	2	55.2	−0	8.8	9.0	∧ ∨
72	+0°	499	2	54.0	+0	34.8	8.0	∧ ∨
73	+0°	497	2	53.3	+0	25.5	8.5	∧ ∨
74	+0°	495	2	52.8	+0	24.6	8.3	∧ ∨
75	−0°	519	3	9.0	−0	57.6	9.0	∧ ∨
76	−1°	466	3	8.1	−1	1.4	8.4	∧ ∨
77	−0°	516	3	7.0	−0	51.7	9.0	∧ ∨
78	−0°	511	3	5.9	−0	22.4	8.3	∧ ∨
79	−0°	510	3	5.5	−0	54.7	8.5	∧ ∨
80	−0°	507	3	5.2	−0	54.2	9.2	∧ ∨
81	−0°	503	3	4.6	−0	25.9	8.0	∧ ∨

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Thursday, June 6, 1912.
B24103 shot disk.

No.	Int.	Class	Remark
82	4	A0	
83	6	K0	
84	8	K0	
85	2	F5	
86	6	A5	
87	3	G5	
88	10+	G	
89	1	F	
90	6	F8	
91	5	G5	
92	3	F0	
93	8	G0	
94	2	G0	
95	1	K0	
96	8	B8	
97	8	F5	
98	3	F8	
99	2	G0	
100	5	F5	
101	6	ma	
102	2	F5	
103	1	F	
104	4	A5	
105	2	K5	
106	4	K0	
107	6	F2	
108	3	G0	

82	−0°	504	3	4.7	−0	37.0	9.0	∧∨
83	−0°	506	3	4.8	−0	45.7	8.5	∧∫
84	−1°	451	3	4.3	−1	2.3	7.8	∧∨
85	−1°	450	3	4.0	−1	15.1	9.0	∧∫
86	−1°	455	3	4.9	−1	79.8	8.3	∧∫
87	−1°	456	3	5.1	−1	23.6	8.5	∧∨
88	−1°	457	3	5.4	−1	43.6	5.3	∧∨
89	−1°	458	3	5.7	−1	20.6	9.0	∧∫
90	−1°	465	3	8.0	−1	42.2	8.5	∧∨
91	−3°	540	3	13.6	−3	38.1	8.1	∧∨
92	−3°	538	3	12.8	−3	32.8	8.8	∧∨
93	−3°	534	3	11.7	−3	21.9	7.3	∧∫
94	−3°	533	3	11.6	−3	42.2	8.8	∧∨
95	−3°	526	3	9.7	−3	47.9	9.1	∧∫
96	−3°	525	3	9.5	−3	54.0	8.0	∧∨
97	−4°	560	3	9.4	−4	4.1	7.5	∧∫
98	−3°	524	3	9.5	−3	7.4	8.6	∧∨
99	−2°	587	3	8.8	−2	36.2	8.9	∧∫
100	−2°	583	3	8.1	−2	43.0	8.7	∧∫
101	−2°	581	3	7.3	−2	52.3	7.2	∧∨
102	−3°	521	3	7.7	−3	2.9	9.3	∧∫
103	−3°	519	3	7.0	−3	12.2	9.0	∧∨
104	−3°	517	3	6.6	−3	32.4	9.0	∧∫
105	−3°	513	3	5.4	−3	14.9	8.7	∧∫
106	−3°	514	3	5.4	−3	27.4	8.7	∧∨
107	−3°	512	3	5.2	−3	33.1	8.2	∧∫
108	−2°	543	3	5.5	−2	42.8	9.0	∧∨

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Thursday, June 6, 1912.
B 24103 short disp.

No.	Int.	Class	Remark
109	2	I_5	Partly superposed on 110.
110	4	K_2	
111	9	B_9	
112	1	F_5	
113	1	K_0	
114	8	A_3	
115	1	I_5	
116	3	F_8	
117	4	A_3	
118	5	F_2	
119	8	I_5	
120	3	F_5	
121	2	K_0	
122	1	K	
123	1	I_5	
124	4	K_0	
125	2	$I_{5?}$	
126	7	A_5	
127	8	A_2	
128	7	K	E.
129	10	B_8	E. Burned out.
130	4	A_2	
131	4	G	E.
132	3	F	E.
133	3	I_5	
134	1	K	
135	7	M_2	

109	−2°	571	3	4.7	− 2	54.6	9.1	∧∨
110	−2°	572	3	4.8	− 2	59.5	8.5	∧∨
111	−2°	563	3	3.0	− 2	14.7	7.7	∧∨
112	−1°	452	3	4.3	− 1	55.6	9.3	∧∨
113	−1°	447	3	2.2	− 1	33.5	9.0	∧∨
114	−0°	498	3	3.2	− 0	20.0	7.3	∧∨
115	−0°	495	3	0.3	− 0	42.4	9.0	∧∨
116	~~−1°~~ −4°	~~444~~ 547	3	~~0.3~~ 3.1	~~− 1~~ − 4	5.6 37.1	8.5	∧∨
117	−2°	556	3	0.8	− 2	22.8	9.1	∧∨
118	−2°	555	3	0.3	− 2	12.5	8.5	∧∨
119	−2°	554	2	59.9	− 2	21.7	6.8	∧∨
120	−2°	558	2	59.4	− 2	21.9	9.2	∧∨
121	−1°	443	2	59.6	− 1	43.1	8.9	∧∨
122	−2°	552	2	59.4	− 2	9.1	8.5	∧∨
123	−2°	551	2	59.3	− 2	13.4	9.1	∧∨
124	−5°	618	3	11.8	− 5	16.1	8.7	∧∨
125	−4°	565	3	11.0	− 4	45.2	8.9	∧∨
126	−4°	561	3	9.9	− 4	40.1	7.5	∧∨
127	−4°	558	3	9.2	− 4	49.0	6.8	∧∨
128	−6°	638	3	9.2	− 6	16.2	6.3	∧∨
129	−6°	636	3	8.8	− 6	27.2	6.0	∧∨
130	−6°	630	3	7.9	− 6	0.2	8.4	∧∨
131	−5°	600	3	7.2	− 5	40.8	8.3	∧∨
132	−5°	601	3	7.9	− 5	19.4	8.5	∧∨
133	−5°	598	3	6.7	− 5	3.3	8.8	∧∨
134	−5°	597	3	6.4	− 5	0.7	9.0	∧∨
135	−4°	540	3	4.1	− 4	22.0	6.4	∧∨

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Thursday, June 6, 1912.
B 24103 short disp.

No.	Int.	Class	Remark
136	3	K0	
137	2	Q2	
138	5	A5	
139	2	F5	
140	5	G5	
141	6	F5	
142	2	G	
143	2	G5	
144	2	K0	
145	2	G5	
146	8	F5	
147	6	K0	
148	6	K E.	
149	8	Ma	
150	2	K2	
151	4	G5	
153	5	G0	
153	2	F0	
Time: 11.50	154	2	F5
	155	3	K5

136	−4°	537	3	3.1	−4	37.1	8.5	∧∨
137	−4°	536	3	2.8	−4	6.0	9.4	∧∨
138	−3°	502	3	2.2	−3	47.4	8.6	∧∨
139	−3°	509	3	4.1	−3	34.9	8.9	∧∨
140	−4°	531	3	1.5	−4	14.9	8.7	∧∨
141	−4°	529	3	1.2	−4	8.7	8.3	∧∨
142	−3°	#93	2	58.4	−3	29.5	8.9	∧∨
143	−2°	547	2	58.3	−2	56.6	9.1	∧∨
144	−2°	543	2	57.2	−2	43.9	8.9	∧∨
145	−2°	540	2	56.0	−2	46.4	9.0	∧∨
146	−2°	538	2	55.7	−2	39.6	7.3	∧∨
147	−3°	483	2	55.7	−3	34.2	8.3	∧∨
148	−3°	482	2	54.7	−3	31.1	8.5	∧∨
149	−3°	478	2	53.6	−3	27.1	6.8	∧∨
150	−4°	519	2	55.8	−4	2.5	9.0	∧∨
151	−1°	433	2	54.4	−1	46.3	8.7	∧∨
152	−1°	434	2	54.4	−1	29.7	8.0	∧∨
153	−1°	440	2	57.5	−1	53.0	9.1	∧∨
154	−2°	545	2	57.5	−2	2.1	9.3	∧∨

Identified by ame. June 20, 1912
Checked July 23 1912 HSW.

155	−4	520	2	57.0	−4	57	8.6	53 m 13073

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Thursday, June 6, 1912

Time: 11.52

I 37730

No.	Int.	Class	Remark
1	4	A2	E.
2	3	F	E.
3	7	K0	E.
4	2	A	E.
5	7	A	E.
6	5	K0	E.
7	6	G5	E.
8	3	F5	E.
9	4	K0	
10	3	F2	
11	3	G0	
12	5	F5	
13	8	F5	
14	2	G0	
15	2	Mb	
16	8	K5	
17	6	F2	
18	5	K0	
19	2	F0	
20	2	K5	
21	4	F8	
22	2	G	
23	2	G5	
24	2	G5	
25	6	A0	
26	4	K0	
27	5	K0	

1	+40°	2938	15	50.0	+40	11.0	8.0	/
2	+39°	2933	15	51.0	+39	51.0	7.7	/
3	+40°	2948	15	52.4	+40	6.1	6.2	/
4	+40°	2956	15	54.7	+40	13.8	8.8	/
5	+39°	2942	15	55.8	+39	34.5	6.7	/
6	+40°	2962	15	57.0	+40	24.7	6.8	/
7	+39°	2947	15	59.9	+39	32.5	6.5	/
8	+39°	2954	16	2.3	+39	31.1	7.8	/
9	+41°	2670	16	3.1	+41	1.5	6.8	√
10	+40°	2971	16	3.6	+40	26.2	7.6	√
11	+40°	2972	16	4.7	+40	30.2	8.0	/
12	+40°	2976	16	5.3	+40	54.7	7.0	/
13	+41°	2673	16	4.4	+41	29.2	6.5	/
14	+42°	2679	16	5.2	+42	12.6	8.9	√
15	+42°	2682	16	6.8	+42	13.1	8.3	/
16	+42°	2683	16	7.0	+42	45.5	6.3	√
17	+43°	2572	16	6.9	+43	9.8	8.0	/
18	+43°	2574	16	6.3	+43	24.7	7.7	/
19	+43°	2576	16	7.5	+43	23.2	9.3	√
20	+43°	2578	16	7.6	+43	20.8	8.6	/
21	+44°	2554	16	8.0	+44	1.5	8.0	/
22	+43°	2580	16	8.5	+43	6.3	9.1	/
23	+43°	2582	16	10.0	+43	34.7	8.2	/
24	+42°	2687	16	9.7	+42	25.0	8.5	√
25	+41°	2680	16	7.8	+41	10.5	7.5	√
26	+40°	2991	16	8.9	+40	42.2	7.3	/
27	+40°	2987	16	8.4	+40	11.1	6.8	/

Cards middle out

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Thursday, June 6, 1912.
I 37730

Nr.	Int.	Class	Remark
28	2	ly	
29	7	Ly0	
30	2	ly0	
31	2	ly	
32	2	ly	Poor focus.
33	2	ly5	
34	1	ly	
35	5	Ly2	
36	10	Y	E.
37	5	Y2	
38	3	Y8	
39	2	X0	
40	3	X0	
41	3	X2	
42	6	Y	Line Y faint or defective. Looks nfs.
43	2	a	
44	4	Y2	
45	3	Y5	
46	2	ly0	
47	4	Y0	
48	6	Y0	
49	3	ly5	
50	7	a0	
51	4	a5	
52	9	Y5	
53	6	ly5	
54	6	ly5	

78	+39°	2963	16	7.8	+39	43.1	7.5 ✓
79	+39°	2961	16	7.0	+39	25.2	6.0 ✓
80	+40°	2983	16	7.0	+40	10.6	8.5 ✓
81	+41°	2682	16	9.2	+41	6.2	9.1 ✓
82	+41°	2683	16	9.3	+41	20.3	9.0 ✓
83	+41°	2684	16	10.6	+41	41.8	8.9 ✓
84	+40°	2993	16	11.3	+40	42.7	8.9 ✓
85	+40°	2995	16	11.8	+40	22.3	6.8 ✓
86	+40°	3005	16	15.0	+40	2.1	5.5 ✓
87	+40°	3006	16	15.4	+40	36.2	7.3 ✓
88	+41°	2693	16	15.8	+41	23.3	8.2 ✓
89	+41°	2696	16	16.2	+41	18.8	8.2 ✓
90	+41°	2697	16	16.6	+41	47.3	7.3 ✓
91	+41°	2687	16	12.7	+41	47.8	8.2 ✓
92	+41°	2689	16	14.4	+41	59.7	7.5 ✓
93	+42°	2698	16	14.0	+42	23.6	9.0 ✓
94	+42°	2696	16	13.5	+42	58.8	8.1 ✓
95	+43°	2690	16	14.1	+43	19.1	8.7 ✓
96	+44°	2563	16	15.9	+44	25.0	8.8 ✓
97	+44°	2564	16	16.1	+44	35.9	8.7 ✓
98	+44°	2566	16	16.6	+44	10.5	7.3 ✓
99	+44°	2568	16	17.6	+44	51.0	7.8 ✓
00	+44°	2570	16	18.2	+44	25.4	7.3 ✓
01	+44°	2572	16	19.0	+44	42.9	8.2 ✓
02	+45°	2400	16	20.3	+45	1.8	7.0 ✓
03	+45°	2404	16	20.9	+45	43.1	7.1 ✓
04	+46°	2174	16	19.9	+46	15.9	8.0 ✓

cards made out

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Thursday, June 6, 1912
I 37730

No.	Int.	Class	Remark
55	9	A0	
56	1	K0	
57	3	A5	
58	10	A2	
59	5	F5	
60	2	G	
61	6	F0	
62	7	F0	
63	6	G5	
64	7	A2	
65	7	A5	
66	6	F0	
67	2	G5	
68	2	K0	
69	3	G0	
70	6	K0	
71	3	G0	
72	4	F0	
73	3	A3	
74	10	M0	
75	2	G0	
76	4	K	E.
77	10+	A	E.
78	2	K	E.
79	5	G	E.
80	1	K	E.
81	5	G	E.

Time 12.06

55	+45°	2408	16	22.4	+45	16.8	7.3 G
56	+45°	2409	16	22.8	+45	42.7	8.5 ✓
57	+45°	2411	16	23.4	+45	35.6	8.5 ✓
58	+45°	2422	16	27.4	+45	56.0	5.7 G
59	+44°	2585	16	27.4	+44	34.2	7.9 G
60	+45°	2416	16	25.7	+45	11.9	8.5 ✓
61	+43°	2609	16	23.6	+43	42.2	8.2 ✓
62	+43°	2610	16	24.8	+43	19.9	7.5 G
63	+43°	2611	16	26.0	+43	52.1	8.0 G
64	+43°	2599	16	19.3	+43	24.6	8.0 G
65	+42°	2709	16	20.7	+42	51.5	7.5 ✓
66	+42°	2703	16	19.1	+42	27.1	7.3 ✓
67	+42°	2704	16	19.2	+42	10.7	9.0 ✓
68	+42°	2707	16	20.1	+42	20.1	8.0 ✓
69	+41°	2703	16	20.1	+41	51.2	8.3 ✓
70	+41°	2707	16	21.5	+41	9.0	6.5 G
71	+41°	2708	16	21.9	+41	14.0	8.7 ✓
72	+41°	2709	16	22.5	+41	33.5	8.2 G
73	+41°	2710	16	23.3	+41	47.3	8.0 ✓
74	+42°	2714	16	23.9	+42	12.8	var. G
75	+42°	2716	16	24.7	+42	29.7	8.8 G
76	+42°	2719	16	26.8	+42	29.7	7.5 ✓
77	+42°	2724	16	29.4	+42	44.8	4.0 ✓
78	+42°	2728	16	28.8	+42	11.3	8.5 G
79	+41°	2715	16	25.5	+41	2.7	7.5 ✓
80	+40°	3025	16	26.4	+40	47.3	8.5 G
81	+40°	3030	16	27.7	+40	24.5	7.0 I

cards made out

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Friday, June 7, 1912

Time: 13.10

I 37730

No.	Int.	Class	Remark
82	3	A3..	E.
83	2	K0	E.
84	4	ly5	E.
85	7	F5	E.
86	1	ly5	
87	3	ly5	
88	10	ly	
89	3	ly	Too much superposed on 88.
90	3	A	Partly superposed on 88.
91	2	ly	
92	7	Ma	
93	10	B8	
94	1	K	
95	2	F5	
96	3	F2	
97	2	K5	Maybe Ma.
98	2	ly5	
99	3	K0	
100	1	ly5	
101	1	ly	
102	3	K0	
103	2	K0	
104	4	K0	
105	2	ly5	
106	2	F8	
107	1	ly	
108	1	Ma	

82	+40°	3018	16	22.3	+40	12.3	8.0 ✓
83	+41°	2643	15	48.4	+41	10.5	7.5 ✓
84	+41°	2642	15	48.1	+41	43.9	7.5 ✓
85	+42°	2645	15	46.1	+42	59.7	7.3 ✓
86	+43°	2535	15	46.8	+43	10.8	8.5 ✓
87	+43°	2537	15	47.1	+43	4.3	8.0 ✓
88	+42°	2648	15	47.7	+42	51.1	4.3 ✓
89	+42°	2649	15	47.7	+42	39.0	7.8 ✓
90	+42°	2650	15	47.8	+42	59.3	8.5 ✓
91	+42°	2651	15	49.2	+42	55.9	9.1 ✓
92	+43°	2542	16	49.8	+43	34.1	5.5 ✓
93	+42°	2652	15	50.7	+42	58.1	6.0 ✓
94	+41°	2649	15	51.9	+41	59.7	8.5 ✓
95	+42°	2653	15	52.5	+42	5.1	8.6 ✓
96	+42°	2654	15	52.6	+42	5.1	8.6 ✓
97	+42°	2655	15	52.8	+42	39.4	8.5 ✓
98	+42°	2657	15	53.0	+42	27.6	9.1 ✓
99	+41°	2655	16	55.0	+41	17.9	8.5 ✓
100	+41°	2657	15	56.4	+41	49.2	8.9 ✓
101	+42°	2663	15	56.3	+42	15.0	8.8 ✓
102	+42°	2664	15	56.5	+42	14.0	8.2 ✓
103	+42°	2668	15	59.7	+42	18.1	8.9 ✓
104	+42°	2671	15	0.5	+42	26.0	8.5 ✓
105	+42°	2672	16	1.4	+42	36.4	8.9 ✓
106	+41°	2662	15	59.2	+41	9.5	8.8 ✓
107	+40°	2965	15	59.3	+40	51.6	9.0 ✓
108	+41°	2665	15	59.8	+41	9.5	8.5 ✓

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Friday, June 7. 1912
H 37730

No.	Int.	Class	Remark
109	1	ly	
110	9	A3	
111	3	K0	
112	4	ly5	
113	8	K0	
114	1	ly	
115	1	ly5	
116	1	K	
117	4	F5	
118	2	F5	
119	3	F2	
120	2	ly5	
121	2	K0	
122	3	A0	
123	2	ly	
124	3	F5	
125	4	K0	
126	2	F8	
127	1	ly	
128	8	K0	
129	2	ly5	
130	3	K0	
131	2	A3	
132	10+	B	Turned out. Probably B8.
133	1	K2	
134	1	K2	
135	6	F8	

109	+43°	2545	15h	53.2	+43	19.8	9.0 ✓
110	+43°	2547	15	53.6	+43	37.5	7.8 ✓
111	+44°	2524	15	52.7	+44	33.0	7.9 ✓
112	+44°	2526	15	53.4	+44	28.3	8.3 ✓
113	+44°	2530	15	55.5	+44	41.2	6.8 ✓
114	+43°	2548	15	58.1	+43	30.7	9.1 ✓
115	+43°	2549	15	55.7	+43	23.7	8.6 ✓
116	+43°	2551	15	56.5	+43	9.0	8.7 ✓
117	+43°	2552	15	56.9	+43	14.8	8.7 ✓
118	+42°	2666	15	57.7	+42	53.4	8.8 ✓
119	+43°	2557	15	58.1	+43	35.7	8.3 ✓
120	+43°	2559	15	58.3	+43	2.4	8.7 ✓
121	+43°	2554	15	57.1	+43	52.6	8.7 ✓
122	+43°	2558	15	57.7	+43	49.1	8.8 ✓
123	+44°	2535	15	57.5	+44	18.0	8.8 ✓
124	+44°	2540	16	0.4	+44	0.6	8.2 ✓
125	+44°	2541	16	0.7	+44	7.5	7.5 ✓
126	+44°	2543	16	3.2	+44	31.0	8.7 ✓
127	+44°	2548	16	5.5	+44	27.0	8.7 ✓
128	+44°	2549	16	5.7	+44	11.0	7.0 ✓
129	+43°	2568	16	4.8	+43	29.7	8.2 ✓
130	+44°	2551	16	6.4	+44	40.9	8.0 ✓
131	+44°	2553	16	6.7	+44	29.0	9.0 ✓
132	+45°	2376	16	4.2	+45	19.7	3.8 ✓
133	+45°	2378	16	4.8	+45	4.9	8.3 ✓
134	+46°	2154	16	5.9	+46	6.9	8.7 ✓
135	+46°	2155	16	7.9	+46	34.3	7.5 ✓

Cards made out

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Friday, June 7, 1912.

I 37730

No.	Int.	Class	Remark
136	5	K0	
137	4	F0	
138	3	G0	
139	2	G0	
140	2	K0	
141	2	G5	
142	3	G5	
143	10+	B5	
144	2	F0	
145	2	G	Poor focus.
146	3	F2	
147	6	K0	
148	8	B0	
149	3	A2	
150	2	N	E.
151	2	G5	E.
152	5	G5	E.
153	2	F5	
154	2	K0	
155	3	F2	
156	2	F5	
157	1	G5	
158	3	F5	
159	4	F0	
160	1	A	
161	2	G	
162	1	G	

136	+46°	2156	16	8.3	+46	16.3	7.3 ✓
137	+45°	2385	16	10.5	+45	48.6	8.3 ✓
138	+44°	2559	16	11.1	+44	54.9	8.1 ✓
139	+45°	2388	16	11.7	+45	1.3	8.7 ✓
140	+45°	2389	16	12.1	+45	25.8	8.4 ✓
141	+45°	2390	16	12.6	+45	40.6	8.6 ✓
142	+46°	2165	16	13.3	+46	5.1	8.9 ✓
143	+46°	2169	16	15.4	+46	41.7	3.5 ✓
144	+46°	2172	16	16.0	+46	43.9	8.9 ✓
145	+47°	2333	16	16.8	+47	2.6	8.5 ✓
146	+46°	2393	16	15.6	+46	33.2	8.5 ✓
147	+45°	2394	16	16.1	+45	54.5	7.0 ✓
148	+44°	2511	15	45.1	+44	57.4	7.5 ✓
149	+45°	2345	15	48.8	+45	23.2	8.4 ✓
150	+45°	2346	15	49.7	+45	21.5	8.6 ✓
151	+46°	2123	15	48.1	+46	28.8	8.3 ✓
152	+46°	2124	15	48.6	+46	28.2	6.8 ✓
153	+46°	2130	15	51.8	+46	21.8	8.5 ✓
154	+45°	2353	15	53.8	+45	59.5	8.4 ✓
155	+45°	2355	15	55.1	+45	52.1	8.7 ✓
156	+46°	2357	15	55.4	+45	23.2	9.2 ✓
157	+45°	2360	15	56.3	+45	24.3	8.5 ✓
158	+45°	2366	15	58.5	+45	7.7	8.3 ✓
159	+45°	2370	16	1.4	+45	53.6	7.8 ✓
160	+45°	2371	16	2.0	+45	37.7	9.2 ✓
161	+45°	2372	16	2.6	+45	26.2	8.7 ✓
162	+45°	2373	16	2.6	+45	20.7	8.9 ✓

cards made out

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Friday, June 7, 1912.

I 37730

No.	Int.	Class	Remark
163	6	K0	
164	3	G5	
165	10	A0	E.
166	1	G	
167	2	F5	
168	2	G0	
169	5	K0	
170	2	G0	
171	6	F0	
172	3	K2	
173	2	Mb	E.
174	4	G5	
175	5	G0	
176	4	F	Another star superposed?
177	3	G	Difficult. Northern of Pair.
178	2	K0	
179	5	K0	
180	4	A5	E.
181	2	K3	
182	8	K0	
183	5	G0	
184	6	K0	
185	8	~~Mb~~	
186	3	A5	
187	10+	B	Burned out.
188	2	G0 ~~K~~	
189	3	K0	

163	+45°	2374	16h	3.4	+45	45.7	7.0 J
164	+46°	2148	16h	2.8	+46	35.7	8.5 J
165	+47°	2300	16h	2.7	+47	53.3	6.7 J
166	+47°	2302	16h	3.2	+47	36.8	8.7 J
167	+47°	2303	16h	3.5	+47	38.0	9.0 J
168	+47°	2308	16h	6.5	+47	20.8	9.0 J
169	+48°	2369	16h	6.3	+48	10.9	7.0 J
170	+47°	2310	16h	6.6	+47	46.5	9.0 J
171	+47°	2313	16h	6.9	+47	56.6	7.5 J
172	+48°	2370	16h	7.3	+48	7.9	8.0 J
173	+48°	2374	16h	8.9	+48	56.8	8.3 J
174	+47°	2319	16h	9.7	+47	57.8	8.0 J
175	+47°	2317	16h	9.4	+47	0.4	8.2 J
176	+47°	2318	16h	9.6	+47	14.6	9.0 J
177	+47°	2320	16h	10.0	+47	1.1	9.1 J
178	+47°	2321	16h	10.5	+47	14.6	8.5 J
179	+47°	2323	16h	10.9	+47	24.2	7.3 J
180	+48°	2378	16h	10.4	+48	14.4	8.0 J
181	+48°	2381	16h	11.3	+48	17.8	8.0 J
182	+49°	2491	16h	15.1	+49	43.0	6.0 J
183	+47°	2282	15h	54.0	+47	32.0	8.0 J
184	+47°	2288	15h	57.1	+47	32.9	7.0 J
185	+47°	2291	15h	58.3	+47	38.2	Var. J
186	+47°	2292	15h	58.4	+47	8.0	8.1 J
187	+46°	2142	15h	58.3	+46	26.5	4.1 V
188	+46°	2144	15h	59.4	+46	52.2	9.0 J
189	+47°	2297	16h	0.8	+47	57.8	7.8 V

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Friday June 7, 1912

I 37730.

No.	Int.	Class	Remarks
190	2	$f_{.5}$	Another star superposed?
Time 12.33 191	2	7	
~~192~~			
192	5	$f_{.5}$	

190	+46°	2136	15°	56.7	+46	40.7	8.8	√
191	+46°	2138	15°	57.1	+46	56.6	8.5	√

Identified by AMC June 20, 1912

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

cards made out by M. C. W.

192	+45°	2377	16	4.4	+45	43	8.2	64 on 237316

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Friday, June 7. 1912.

Time: 12.36

B 21397 short disp.

No.	Int.	Class	Remark
1	4	g_5	
2	10+	Mb	
3	3	K0	
4	3	K0	
5	4	F5	
6	1	K	
7	1	K	
8	5	F2	
9	1	K	
10	5	g_5	
11	2	F0	
12	2	g_5	
13	8	K0	
14	5	A3	
15	3	K2	
16	6	F2	
17	2	g_5	
18	7	F5	
19	3	A2	
20	2	K2	
21	3	A5	
22	4	g_0	
23	4	K3	
24	2	g_5^5	
25	2	Ma	
26	3	A0	
27	2	F5	

1	-81°	998	22	6.7	-81	4.6	8.4	∧∨
2	-81°	995	22	4.9	-81	3.6	6.6	∧∨
3	-80°	1048	22	4.1	-80	50.9	9.0	∧∨
4	-81°	990	22	3.3	-81	4.6	8.8	∧∨
5	-81°	992	22	4.1	-81	35.8	8.7	∧∨
6	-81°	987	21	56.0	-81	33.3	9.6	∧∨
7	-81°	985	21	51.9	-81	32.0	9.6	∧∨
8	-81°	982	21	49.0	-81	13.4	8.5	∧∨
9	-80°	1044	21	54.8	-80	57.4	9.6	∧∨
10	-80°	1040	21	49.8	-80	24.6	8.6	∧∨
11	-80°	1037	21	46.2	-80	7.5	9.2	∧∨
12	-79°	1183	21	45.8	-79	53.0	9.0	∧∨
13	-80°	1034	21	42.4	-80	18.3	7.9	∧∨
14	-80°	1033	21	40.7	-80	18.1	8.5	∧∨
15	-80°	1029	21	35.6	-80	7.3	9.2	∧∨
16	-80°	1032	21	39.9	-80	56.8	8.4	∧∨
17	-81°	977	21	38.0	-81	10.5	9.4	∧∨
18	-80°	1028	21	32.7	-80	57.4	8.6	∧∨
19	-81°	981	21	45.0	-81	37.5	8.8	∧∨
20	-81°	980	21	42.4	-81	46.8	9.4	∧∨
21	-81°	979	21	39.7	-81	33.3	8.6	∧∨
22	-81°	972	21	31.8	-81	48.3	8.6	∧∨
23	-82°	868	21	36.7	-82	16.4	8.8	∧∨
24	-81°	964	21	20.6	-81	52.9	9.0	∧∨
25	-81°	962	21	18.2	-81	24.7	9.2	∧∨
26	-81°	966	21	22.7	-81	13.9	9.2	∧∨
27	-81°	965	21	21.7	-81	2.7	9.0	∧∨

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Friday, June 7, 1912.

B21397 short disp.

No.	Int.	Class	Remark
28	3	F5	
29	10	G0	
30	4	K2	
31	6	K0	
32	10	F5	
33	1	K	
34	7	G5	
35	6	G0	
36	3	G5	
37	9	B9	
38	2	G0	
39	4	F5	
40	5	K0	
41	2	A3	Difficult.
42	10	A5	
43	4	K0	
44	2	K	Film defective.
45	2	G	
46	3	G0	
47	7	F5	
48	4	A2	
49	5	A5	Austin star superposed ? yes
50	7	F5	
51	1	K	
52	8	F2	
53	1	K5	
54	13	A2	

28	−81°	961	21	18.0	−81	7.9	8.8	∧∨
29	−80°	1017	21	16.7	−80	34.8	6.4	∧∨
30	−80°	1014	21	15.5	−80	36.9	8.8	∧∨
31	−80°	1013	21	12.1	−80	27.5	8.2	∧∨
32	−79°	1158	21	23.2	−79	59.7	7.0	∧∨
33	−80°	1010	21	9.1	−80	40.9	9.2	∧∨
34	−80°	1006	21	4.8	−80	37.9	8.2	∧∨
35	−81°	954	21	8.8	−81	12.7	8.2	∧∨
36	−81°	952	21	6.5	−81	3.1	8.7	∧∨
37	−80°	1000	20	59.2	−80	51.3	7.4	∧∨
38	−81°	953	21	6.6	−81	23.7	8.9	∧∨
39	−81°	944	20	54.3	−81	50.3	8.6	∧∨
40	−81°	936	20	45.3	−81	52.7	8.3	∧∨
41	−81°	939	20	49.6	−81	21.5	9.0	∧∨
42	−81°	938	20	47.8	−81	10.7	7.4	∧∨
43	−81°	927	20	39.1	−81	5.4	8.6	∧∨
44	−81°	932	20	40.9	−81	40.1	9.2	∧∨
45	−81°	931	20	40.8	−81	13.8	9.0	∧∨
46	−80°	985	20	37.6	−80	49.8	9.0	∧∨
47	−79°	1133	20	52.6	−79	46.1	8.2	∧∨
48	−79°	1112	20	32.8	−79	43.2	8.7	∧∨
49	−79°	1119	20	36.5	−79	3.1	8.4	−79° 1118 Superposed
50	−78°	1344	20	34.5	−78	35.1	7.9	∧∨
51	−79°	1114	20	34.6	−79	19.7	9.4	∧∨
52	−79°	1108	20	30.6	−79	23.8	7.9	∧∨
53	−79°	1107	20	27.5	−79	31.8	9.3	∧∨
54	−79°	1106	20	24.5	−79	14.3	9.0	∧∨

Carr made

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Friday, June 7, 1912.

B 21397 short disp.

Nr.	Int.	Class	Remark
55	7	$\frac{1}{2}5$	
56	6	$\frac{1}{2}5$	
57	7	10	
58	6	00	
59	4	$\frac{1}{2}5$	
60	9	15	
61	4	12	
62	2	12	
63	10	$\frac{1}{2}5$	Burned out.
64	6	10	
65	3	10	
66	2	12	
67	3	1	
68	5	$\frac{1}{2}$	n. sp. of two.
69	4	10	Nearly all superposed on 68.
70	6	00	
71	1	1	
72	1	$\frac{1}{2}$	
73	1	1	
74	2	$\frac{1}{2}0$	
75	1	15	
76	2	0	
77	3	15	
78	6	10	
79	2	$\frac{1}{2}5$	
80	1	$\frac{1}{2}$	
81	1	1	

55	-80°	978	20	28.9	-80	17.8	8.2 ∧ ∨
56	-80°	981	20	30.7	-80	35.0	8.4 ∧ ∨
57	-80°	977	20	28.2	-80	46.0	8.2 ∧ ∨
58	-80°	970	20	22.2	-80	57.8	8.0 ∧ ∨
59	-81°	911	20	20.9	-81	18.3	8.8 ∧ ∨
60	-81°	906	20	17.0	-81	42.4	7.2 ∧ ∨
61	-81°	903	20	15.0	-81	56.8	8.4 ∧ ∨
62	-82°	814	20	12.1	-82	0.1	8.8 ∧ ∨
63	-81°	901	20	12.3	-81	22.2	7.4 ∧ ∨
64	-80°	957	20	10.9	-80	56.8	7.6 ∧ ∨
65	-81°	897	20	8.2	-81	6.9	8.4 ∧ ∨
66	-81°	893	20	5.7	-81	57.3	8.9 ∧ ∨
67	-82°	807	20	3.2	-82	9.9	8.8 ∧ ∨
68	-81°	888	19	58.4	-81	59.0	8.1 ∧ ∨
69	-82°	803	19	58.1	-82	1.6	8.5 ∧ ∨
70	-81°	890	19	59.4	-81	39.0	8.0 ∧ ∨
71	-81°	891	19	59.8	-81	16.2	9.1 ∧ ∨
72	-81°	889	19	59.0	-81	12.8	8.9 ∧ ∨
73	-80°	952	20	7.7	-80	50.5	9.2 ∧ ∨
74	-80°	950	20	6.2	-80	49.0	8.9 ∧ ∨
75	-80°	951	20	6.8	-80	28.5	9.0 ∧ ∨
76	-80°	946	20	4.1	-80	7.3	8.9 ∧ ∨
77	-79°	1089	20	8.7	-79	47.2	8.6 ∧ ∨
78	-79°	1092	20	11.8	-79	18.5	7.5 ∧ ∨
79	-80°	961	20	14.0	-80	42.9	8.5 ∧ ∨
80	-80°	968	20	19.9	-80	12.2	9.2 ∧ ∨
81	-79°	1104	20	23.9	-79	43.4	9.3 ∧ ∨

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Friday, June 7, 1912.

B 21397 short disp.

Nr.	Int.	Class	Remark
82	1	N	
83	2	ly	
84	7	F8	
85	9	A0	
86	10	Bg	
87	6	F8	
88	3	A	
89	9	Bg	
90	6	A2	
91	3	A5	Difficult.
92	6	F5	
93	3	A2	
94	1	A	
95	6	G5	
96	4	A2	
97	3	F5	E.
98	5	A2	
99	7	A2	
100	5	G5	
			Time: 1.00
			June 8, 1912
			Time 10.0
101	5	F2	
102	4	M5	
103	4	A	
104	6	F0	
105	2	F8	
106	9	K0	
107	4	F5	

82	-79°	1100	20	20.4	-79	38.9	9.0 ^ V
83	-79°	1101	20	20.5	-79	45.1	9.2 ^ V
84	-79°	1089	20	9.3	-79	9.1	7.8 ^ V
85	-79°	1081	20	5.3	-79	26.1	7.6 ^ V
86	-79°	1079	20	4.1	-79	20.5	6.7 ^ V
87	-79°	1072	20	1.8	-79	26.7	8.1 ^ V
88	-79°	1069	20	0.6	-79	48.1	8.5 ^ V
89	-79°	1074	20	2.3	-79	58.6	7.2 ^ V
90	-79°	1063	19	55.5	-79	56.6	7.8 ^ V
91	-80°	943	19	54.4	-80	15.5	8.6 ^ V
92	-79°	1065	19	57.7	-79	22.4	7.8 ^ V
93	-79°	1067	19	58.6	-79	10.6	8.6 ^ V
94	-79°	1062	19	55.2	-79	14.2	8.8 ^ V
95	-79°	1056	19	51.2	-79	27.7	7.7 ^ V
96	-79°	1054	19	48.8	-79	12.6	8.4 ^ V
97	-78°	1299	19	57.1	-78	42.9	8.4 ^ V
98	-78°	1308	20	9.2	-78	35.1	7.8 ^ V
99	-79°	1052	19	46.4	-79	45.6	7.5 ^ V
100	-80°	938	19	45.4	-80	56.2	8.3 ^ V
~~101~~							
101	-81°	883	19	50.6	-81	12.2	8.4 ^ V
102	-81°	879	19	46.8	-81	47.0	8.7 ^ V
103	-81°	878	19	44.6	-81	38.4	8.5 ^ V
104	-81°	873	19	38.2	-81	34.1	8.1 ^ V
105	-81°	875	19	41.6	-81	15.2	8.7 ^ V
106	-81°	868	19	32.8	-81	39.4	7.6 ^ V
107	-81°	864	19	27.4	-81	34.0	8.2 ^ V

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Saturday June 8, 1912 (cont'd)

B B 21397

No.	Int.	Class	Remark
108	7	B9	
109	5	Q3	
110	7	K5	
111	2	K0	
112	4	K0	
113	3	K5	
114	2	K0	
115	6	K5	
116	2	K0	
117	6	K0	
118	2	K0	
119	5	F5	
120	5	K0	
121	5	K5	
122	4	F2	
123	5	F8	
124	10+	G	Burned out.
125	8	F5	
126	3	F8	
127	2	K5	
128	6	K0	
129	3	F5	
130	10+	B8	Burned out.
131	10	A0	
132	4	K0	
133	4	A	Partly superposed on 134
134	8	F0	

108	-81°	871	19	37.6	-81	53.2	7.8	∧ ∨
109	-82°	897	19	46.4	-82	4.4	8.4	∧ ∨
110	-82°	798	19	49.2	-82	22.6	8.2	∧ /
111	-82°	879	21	59.1	-82	20.5	9.2	∧ ∨
112	-82°	874	21	56.1	-82	31.9	8.8	∧ ∨
113	-82°	878	21	58.4	-82	47.7	8.8	∧ ∨
114	-83°	736	22	8.2	-83	6.9	9.1	∧ ∨
115	-83°	735	22	3.1	-83	15.1	8.9	∧ ∨
116	-83°	734	22	18	-83	2.2	9.3	∧ ∨
117	-83°	729	21	50.6	-83	14.2	8.9	∧ ∨
118	-83°	731	21	53.3	-83	34.2	9.2	∧ ∨
119	-83°	728	21	45.4	-83	14.2	8.7	∧ ∨
120	-83°	727	21	40.1	-83	20.5	9.0	∧ ∨
121	-83°	726	21	37.4	-83	37.1	8.9	∧ ∨
122	-83°	724	21	31.8	-83	37.4	8.9	∧ ∨
123	-83°	725	21	34.5	-83	13.7	8.9	∧ ∨
124	-83°	722	21	31.5	-83	17.4	6.2	∧ ∨
125	-83°	721	21	30.6	-83	0.2	7.2	∧ ∨
126	-82°	865	21	30.5	-82	41.6	8.8	∧ ∨
127	-82°	867	21	35.9	-82	58.6	9.2	∧ ∨
128	-83°	719	21	22.9	-83	37.9	8.7	∧ ∨
129	-83°	718	21	21.2	-83	31.0	9.0	∧ ∨
130	-83°	716	21	13.3	-83	13.4	6.5	∧ ∨
131	-83°	715	21	9.8	-83	37.1	6.9	∧ ∨
132	-83°	714	22	6.0	-83	42.1	8.9	∧ ∨
133	-83°	712	20	59.9	-83	47.8	9.0	∧ ∨
134	-83°	711	20	59.4	-83	43.3	7.6	∧ ∨

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Saturday June 8, 1912 (Cont.)

B 21397 Unit disp.

No.	Int.	Class	Remark
135	1	K	
136	2	K0	
137	6	K0	
138	4	½0	
139	8	A3	
140	5	F5	
141	2	K2	
142	7	A2	
143	2	A	
144	1	½5	
145	2	K5	
146	8	½6	
147	5	F2	
148	3	½0	
149	3	½5	
150	2	K0	
151	1	½5	
152	1	½0	
153	7	K0	
154	7	F0	
155	4	K0	
156	2	A	
157	2	F	
158	6	A3	
159	3	K2	
160	2	K0	
161	1	K	

135	-84°	628	20	57.2	-84	6.1	9.5 ∧ ✓
136	Not in Cat.		20	55.1	-84	0	Approx 1875 pos. ✓
137	-83°	709	20	~~49.4~~ 52.5	-83	~~49.2~~ 46.0	8.8 ∧ ✓
138	-83°	707	20	49.4	-83	49.2	8.8 ∧ ✓
139	-82°	859	21	15.6	-82	38.1	7.6 ∧ ✓
140	-82°	855	21	8.1	-82	29.6	8.2 ∧ ✓
141	-82°	857	21	10.5	-82	46.6	9.0 ∧ ✓
142	-82°	850	20	59.0	-82	43.0	7.9 ∧ ✓
143	-82°	844	20	48.6	-82	54.8	9.0 ∧ ✓
144	-82°	841	20	44.6	-82	59.9	9.2 ∧ ✓
145	-82°	840	20	44.1	-82	59.2	8.9 ∧ ✓
146	-82°	843	20	48.1	-82	30.9	7.6 ∧ ✓
147	-82°	836	20	39.0	-82	41.4	8.3 ∧ ✓
148	-82°	827	20	27.8	-82	42.5	8.6 ∧ ✓
149	-82°	822	20	25.7	-82	42.6	8.9 ∧ ✓
150	-83°	702	20	43.5	-83	47.4	9.0 ∧ ✓
151	-83°	705	20	47.6	-83	32.6	9.0 ∧ ✓
152	-83°	704	20	46.8	-83	32.8	9.0 ∧ ✓
153	-83°	699	20	36.3	-83	36.8	8.1 ∧ ✓
154	-84°	625	20	41.0	-84	24.2	8.3 ∧
155	-84°	622	20	30.9	-84	19.8	8.7 ∧ ✓
156	-84°	624	20	32.0	-84	3.0	9.3 ∧ ✓
157	-84°	621	20	28.0	-84	18.3	9.3 ∧ ✓
158	-84°	620	20	19.2	-84	7.1	8.3 ∧ ✓
159	-84°	618	20	7.1	-84	6.5	9.1 ∧ ✓
160	-83°	696	20	5.4	-83	49.7	9.3 ∧ ✓
161	Not in Cat.		20	2	-83	38	Approx 1875 pos. ✓

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Saturday June 8, 1912 (cont.)

B 21397 Short disp.

No.	Int.	Class	Remark
162	10	A0	Burned int.
163	4	K	
164	3	F5	
165	2	A5	Diffuse
166	2	A5	"
167	4	G0	
168	3	G0	
169	7	F8	
170	2	K5	
171	2	G5	
172	7	F0	
173	10	A5	
174	2	G5	
175	3	K2	
176	7	F	Poor focus
177	7	F0	
178	7	K0	
179	3	K0	
180	3	G0	
181	2	G0	
182	3	A0	
183	1	G	
184	1	A	
185	10	Bq	
186	2	K2	
187	5	G5	
188	2	A5	

162	-83°	695	19	57.9	-83	41.2	6.3
163	-83°	698	20	30.2	-83	38.3	9.7
164	-83°	697	20	16.8	-83	10.8	9.1
165	-82°	818	20	16.6	-82	44.7	8.9
166	-82°	816	20	13.4	-82	54.4	8.9
167	-82°	815	20	12.6	-82	41.9	8.5
168	-83°	694	19	52.0	-83	36.7	8.8
169	-83°	693	19	43.4	-83	8.5	8.1
170	-83°	692	19	41.9	-83	12.2	9.4
171	-81°	922	20	28.5	-81	37.1	9.0
172	-83°	738	22	23.9	-83	27.6	8.0
173	-83°	739	22	24.2	-83	53.9	6.7
174	-83°	737	22	21.0	-83	50.1	9.2
175	-84°	643	22	25.8	-84	6.6	9.1
176	-84°	646	22	29.7	-84	23.6	7.8
177	-84°	639	22	8.4	-84	8.6	7.7
178	-83°	730	21	51.2	-83	57.7	8.2
179	-84°	638	21	50.6	-84	30.9	9.0
180	-84°	637	21	40.6	-84	32.4	8.9
181	-84°	636	21	35.5	-84	18.2	9.1
182	-84°	634	21	34.5	-84	15.5	9.0
183	-83°	723	21	31.7	-83	58.9	9.1
184	-83°	720	21	27.5	-83	55.3	9.3
185	-84°	633	21	28.3	-84	31.8	7.2
186	-84°	632	21	23.0	-84	26.0	9.5
187	-84°	631	21	19.7	-84	41.7	8.7
188	-83°	717	21	17.4	-83	55.2	9.0

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Saturday June 8, 1912 (Cont.)

B 2 1 3 197 Hect

No.	Int.	class	Remark
189	1	K_5	
190	2	K_5	
191	6	G_5	
192	9	F_0	
193	7	F_5	
194	4	K_5	Poor focus
195	5	M_0	
196	4	K_2	
197	7	K_0	
198	10	K	E
199	2	K_5	
200	3	K_5	
June 10.27 201	10	K_0	
202	3	F_8	

cmh. 138, 8

189	-84°	630	21	13.5	-84	24.9	9.8 ∧ ✓
190	-84°	629	21	12.8	-84	34.4	9.3 ∧ ✓
191	-84°	627	20	57.1	-84	47.0	8.5 ∧ ✓
192	-84°	626	20	55.0	-84	49.1	7.6 ∧ ✓
193	-85°	617	20	50.8	-85	15.4	8.0 ∧ ✓
194	-85°	514	20	32.9	-85	9.5	8.9 ∧ ✓
195	-85°	535	22	1.2	-85	17.0	9.1 ∧ ✓
196	-85°	530	21	35.4	-85	1.0	9.1 ∧ ✓
197	-85°	527	21	27.5	-85	6.8	8.7 ∧ ✓
198	-85°	528	21	28.6	-85	36.4	7.6 ∧ ✓
199	-86°	523	21	11.3	-85	21.3	9.3 ∧ ✓
200	-85°	522	21	9.6	-85	29.6	9.3 ∧ ✓
201	-85°	519	21	4.6	-85	20.4	7.9 ∧ ✓
202	-81°	818	19	2.2	-81	46	84 —

Identified by ANC, July 2, 1912

Checked July 31 1912. HDW

Identif in book by A.M.C. June 10. 1916

" on card " J.C.S.M. June 10, 1916

Compared by M.A.H. June 10, 1916

Vanderbilt made

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Saturday, June 8, 1912

I37640

Time: 12.16

No.	Int.	Class	Remark
1	8	Jo	E.
2	8	Jo	E.
3	1	Jk	E.
4	8	by5	E.
5	4	by5	E.
6	5	Ca2	E.
6a		Aa2	
7	2	Ha	E.
8	4	Ha	E.
9	4	Ao	E.
10	5	Jo	
11	2	by0	
12	6	Ja	
13	4	Ao	
14	2	Jo	
15	6	by5	
16	2	Ja	
17	2	by	
18	2	Ja	
19	3	Jo	
20	7	Ja	E.
21	2	by5	E.
22	5	Ha	
23	1	by	
24	10+	by0	
25	5	by5	
26	2	by5	E.
27	2	by5	

1	+38°	2631	15	9.4	+38	51.0	7.0	∧ ∨
2	+38°	2629	15	8.1	+38	47.6	6.0	∧ ∨
3	+39°	2852	15	8.7	+39	31.5	8.3	∧ ∨
4	+39°	2847	15	7.7	+39	11.5	8.0	∧ ∨
5	+39°	2846	15 +4	6.9	+39	30.9	7.0 3	∧ ∨
6	+39°	2844 5	13 +4	6.4	+39	13.2	7.5	∧ ∨ Both slp = 12 seconds.
6a	+39°	2845	15	6.5	+39	13.0	7.5	
7	+39°	2841	15	5.7	+39	30.8	8.0	∧ ∨
8	+39°	2838	15	4.4	+39	30.9	7.5	∧ ∨
9	+39°	2837	15	3.9	+39	58.7	8.0	∧ ∨
10	+40°	2858	15	2.8	+40	12.3	8.2	∧ ∨
11	+40°	2856	15	2.3	+40	29.6	9.0	∧ ∨
12	+40°	2855	15	1.7	+40	40.5	7.8	∧ ∨
13	+41°	2564	15	2.2	+41	22.0	8.3	∧ ∨
14	+41°	2563	15	2.0	+41	32.1	8.4	∧ ∨
15	+41°	2558	14	59.6	+41	40.2	7.3	∧ ∨
16	+41°	2552	14	58.3	+41	58.0	8.5	∧ ∨
17	+40°	2849	15	0.1	+40	36.7	8.9	∧ ∨
18	+40°	2848	14	59.9	+40	31.0	8.5	∧ ∨
19	+39°	2834	14 5	1.0	+39	33.6	8.1	∧ ∨
20	+39°	2832	14	59.2	+39	10.9	7.0	∧ ∨
21	+39°	2829	14	57.5	+39	26.3	8.3	∧ ∨
22	+39°	2826	14	56.5	+39	30.6	8.0	∧ ∨
23	+40°	2841	14	57.4	+40	44.9	8.7	∧ ∨
24	+40°	2840	14	56.5	+40	57.7	8.0	∧ ∨
25	+40°	2838	14	55.5	+40	39.7	7.0	∧ ∨
26	+39°	2824	14	54.7	+39	25.1	8.3	∧ ∨
27	+39°	2823	14	54.7	+39	55.3	8.8	∧ ∨

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Saturday, June 8. 1912.

H 37 640

No.	Int	Class	Remark
28	10	F2	
29	7	F2	
30	3	F5	E.
31	2	F5	
32	1	G	
33	6	Q2	
34	5	F0	
35	4	K0	
36	8	Q2	
37	2	F2	
38	6	F5	
39	2	F0	
40	5	F5	
41	4	K0	
42	8	K0	E.
43	9	F0	E.
44	3	F2	
45	8	K0	
46	3	F2	E.
47	2	G	E.
48	2	F	E.
49	2	G	E.
50	2	Pec	Poor focus.
51	5	F5	E.
52	7	K2	E.
53	3	F2	E.
54	7	F5	

28	+39°	2820	14	54.1	+39	51.2	5.5
29	+40°	2835	14	53.9	+40	13.3	6.5
30	+39°	2819	14	53.1	+39	5.0	8.2
31	+40°	2833	14	52.5	+40	48.3	8.6
32	+40°	2832	14	52.2	+40	45.6	8.8
33	+40°	2831	14	51.9	+40	44.5	7.5
34	+40°	2829	14	50.2	+40	14.0	7.9
35	+40°	2827	14	49.9	+40	14.5	7.3
36	+41°	2539	14	50.5	+41	43.4	6.8
37	+41°	2536	14	49.7	+41	21.2	8.7
38	+41°	2535	14	47.8	+41	34.8	7.3
39	+40°	2828	14	46.9	+40	40.0	8.3
40	+39°	2806	14	46.0	+39	42.2	7.7
41	+39°	2807	14	46.1	+39	0.0	7.6
42	+37°	2580	14	44.8	+37	51.8	5.7
43	+38°	2593	14	43.4	+38	24.2	6.2
44	+40°	2817	14	44.0	+40	4.4	7.9
45	+41°	2523	14	38.1	+41	3.3	5.5
46	+40°	2811	14	37.3	+40	44.1	8.5
47	+40°	2809	14	36.6	+40	40.4	8.3
48	+40°	2808	14	36.5	+40	1.5	7.6
49	+40°	2806	14	35.0	+40	30.7	8.0
50	+41°	2519	14	35.6	+41	11.2	8.0
51	+38°	2579	14	35.2	+38	46.0	7.2
52	+40°	2877	14 15	17.3	+40	6.3	5.5
53	+41°	2596	14 15	15.5	+41	45.4	8.0
54	+41°	2592	14 15	14.8	+41	30.1	7.0

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Saturday. June 8, 1912.
I 37640

No.	Int.	Class	Remark
55	3	F5	
56	3	G5	
57	2	G	E.
58	7	A5	
59	7	Ma	
60	2	A0	
61	8	A5	
62	2	G	
63	3	A5	
64	1	G	
65	1	G5	
66	3	K2	
67	3	F5	
68	2	G	
69	4	F5	
70	3	K2	
71	2	F5	
72	1	K0	
73	2	F5 p	
74	2	K0	
75	8	M5	
76	2	F5	
77	4	F5	
78	2	G5	
79	3	K0	
80	1	K	
81	3	F5	

55	+40°	2870	15	13.3	+40	8.0	8.2	∧∣
56	+42°	2587	15	13.9	+42	16.2	7.7	∧∨
57	+43°	2484	15	13.3	+43	7.5	8.7	∧∨
58	+43°	2483	15	12.2	+43	5.5	7.3	∧∣
59	+42°	2577	15	8.9	+42	42.8	6.1	∧∨
60	+43°	2478	15	9.2	+43	8.3	8.8	∧∨
61	+43°	2475	15	8.8	+43	35.8	7.0	∧∣
62	+41°	2578	15	8.8	+41	53.5	8.9	∧∨
63	+41°	2575	15	7.7	+41	45.4	8.8	∧∣
64	+41°	2572	15	6.3	+41	16.4	8.7	∧∨
65	+41°	2569	15	6.2	+41	36.0	8.9	∧∣
66	+42°	2570	15	5.8	+42	42.8	8.0	∧∨
67	+43°	2471	15	5.2	+43	4.3	8.7	∧∣
68	+42°	2569	15	4.3	+42	15.0	8.9	∧∣
69	+43°	2467	15	4.0	+43	22.6	8.5	∧∨
70	+42°	2566	15	2.4	+42	56.2	8.0	∧∨
71	+42°	2565	15	1.6	+42	13.0	8.5	∧∣
72	+44°	2423	15	1.4	+44	20.2	8.3	∧∨
73	+44°	2419	15	1.0	+44	30.8	8.7	∧∨
74	+44°	2418	15	0.3	+44	5.4	8.5	∧∨
75	+45°	2251	14	58.0	+45	12.9	6.2	∧∣
76	+45°	2248	14	57.3	+45	4.9	8.5	∧∣
77	+44°	2413	14	56.7	+44	6.9	8.0	∧∨
78	+43°	2456	14	56.2	+43	13.2	8.5	∧∨
79	+42°	2559	14	56.7	+42	37.7	7.8	∧∨
80	+42°	2557	14	55.8	+42	7.3	8.7	∧∨
81	+42°	2554	14	54.0	+42	24.2	8.3	∧∨

Variable much

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Saturday, June 8. 1912

I 37640

No.	Int.	Class	Remark
82	5	F5	
83	2	G	
84	2	A	
85	2	G	Too much superposed on 86. Look n/s.
86	4	A2	
87	5	G0	
88	1	F	
89	1	F	
90	4	F8	
91	8	A2	
92	7	K0	
93	3	K0	
94	4	B0	
95	4	A2	
96	2	F2	
97	2	F8	
98	2	F8	
99	2	F5	
100	2	F5	
101	7	K0	E.
102	9	F0	
103	7	K0	
104	3	K0	
105	5	K5	
106	2	K0	
107	6	F0	
Time: 12.35	108	3	F5

82	+41°	2543	14	52.9	+41	39.2	8.2
83	+41°	2542	14	52.7	+41	23.2	8.8
84	+41°	2541	14	51.7	+41	0.4	9.0
85	+43°	2447	14	50.7	+43	21.3	7.7
86	+43°	2446	14	50.6	+43	27.6	8.0
87	+43°	2448	14	50.8	+43	54.1	7.7
88	+43°	2450	14	52.8	+43	59.9	8.2
89	+43°	2455	14	53.8	+43	54.5	8.5
90	+44°	2408	14	53.1	+44	37.6	8.2
91	+45°	2241	14	52.5	+45	3.0	7.0
92	+45°	2244	14	54.9	+45	10.4	6.8
93	+46°	2014	14	54.5	+46	2.1	8.6
94	+46°	2016	14	55.9	+46	16.2	8.5
95	+46°	2017	14	56.3	+46	20.7	8.3
96	+45°	2249	14	57.5	+45	41.3	8.7
97	+45°	2253	14	58.5	+45	33.3	8.0
98	+46°	2021	14	58.4	+46	12.1	8.8
99	+46°	2022	14	58.5	+46	43.0	8.5
100	+45°	2255	15	1.4	+45	12.9	8.3
101	+45°	2284	15	19.2	+45	47.4	5.9
102	+44°	2463	15	15.7	+44	58.3	6.3
103	+46°	2059	15	16.0	+46	10.9	6.5
104	+45°	2277	15	13.7	+45	33.3	7.4
105	+46°	2052	15	13.3	+46	9.0	6.0
106	+45°	2274	15	11.8	+45	7.4	8.0
107	+44°	2439	15	7.2	+44	32.8	7.3
108	+44°	2436	15	6.4	+44	20.9	8.2

Cards made out

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Monday, June 10 1912

Time: 10.10

I 37649

No.	Sek.	Class	Remark
109	2	F8	
110	1	fy	
111	3	F	E.
112	2	fy5	
113	2	fy	
114	4	fy0	
115	8	F8	E.
116	3	A2	E.
117	8	K0	E.
118	2	F5	E.
119	10	A0	E.
120	3	fy	E.
121	3	A0	E.
122	4	fy5	
123	4	F8	
124	2	fy0	
125	4	F5	
126	2	fy	
127	2	A0	
128	1	fy	
129	2	fy5	
130	7	F5	
131	3	F5	
132	2	fy0	
133	3	F8	
134	2	A	
135	3	fy5	

109	+45°	2262	15	5.1	+45	24.4	8.0	∧∨
110	+45°	2261	15	5.0	+45	40.7	8.8	∧∨
111	+46°	2041	15	8.4	+46	22.1	8.3	∧∨
112	+44°	2444	15	12.3	+44	20.1	8.3	∧∨
113	+43°	2482	15	11.3	+43	57.3	8.7	∧∨
114	+43°	2488	15	15.7	+43	13.0	8.4	∧∨
115	+43°	2421	14	31.4	+43	27.7	7.0	∧∨
116	+44°	2373	14	31.0	+44	38.3	8.6	∧∨
117	+44°	2376	14	32.8	+44	16.5	6.0	∧∨
118	+44°	2377	14	33.4	+44	33.0	8.7	∧∨
119	+45°	2204	14	33.5	+45	1.4	5.3	∧∨
120	+45°	2203	14	33.4	+45	57.9	8.4	∧∨
121	+46°	1977	14	33.1	+46	8.5	8.1	∧∨
122	+46°	1981	14	35.8	+46	2.1	7.3	∧∨
123	+45°	2209	14	36.2	+45	0.0	8.0	∧∨
124	+44°	2382	14	36.4	+44	6.9	8.3	∧∨
125	+43°	2430	14	36.4	+43	45.0	8.2	∧∨
126	+43°	2429	14	35.6	+43	5.7	8.8	∧∨
127	+42°	2523	14	35.7	+42	7.3	8.9	∧∨
128	+43°	2431	14	37.3	+43	12.9	9.0	∧∨
129	+43°	2432	14	37.6	+43	31.2	8.6	∧∨
130	+42°	2531	14	40.0	+42	59.9	7.0	∧∨
131	+44°	2391	14	40.9	+44	4.9	8.5	∧∨
132	+44°	2392	14	41.3	+44	30.5	8.6	∧∨
133	+45°	2218	14	40.6	+45	0.7	8.1	∧∨
134	+44°	2386	14	38.2	+44	7.9	8.5	∧∨
135	+44°	2387	14	38.4	+44	20.5	8.5	∧∨

Cards made out

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Monday, June 10, 1912.

I 37640

No.	Int.	Class	Remarks
136	8	Fo	
137	2	F8	
138	3	Ky5	
139	5	F5	
140	6	Kp	
141	2	Mo	
142	2	Kp	
143	3	F8	
144	2	Ko	
145	1	Ky	
146	1	K	
147	2	F5	
148	7	F5	
149	3	K2	
150	2	F8	
151	2	Ky5	
152	1	Ko	
153	2	Kp	
154	3	A2	
155	2	Ky	
156	1	Ky5	
157	1	Ky	
Time: 10.30	158		
	159		
158 ~~160~~	2	B5	
159 ~~158~~	1	B5	
160 ~~159~~	2	B5	
161 ~~161~~	1	F8 ~~B5~~	

cont. to 129.195

Carrie Swift

136	+45°	2214	14	39.2	+45	48.2	6.8	∧ ∨
137	+44°	2393	14	43.1	+44	49.5	9.0	∧ ∨
138	+45°	2225	14	44.4	+45	29.0	8.1	∧ ∨
139	+45°	2228	14	46.2	+45	12.4	7.3	∧ ∨
140	+45°	2229	14	46.2	+45	31.9	7.3	∧ ∨
141	+44°	2399	14	47.0	+44	49.5	7.8	∧ ∨
142	+44°	2397	14	45.9	+44	16.4	8.6	∧ ∨
143	+44°	2400	14	47.8	+44	17.4	8.9	∧ ∨
144	+43°	2443	14	48.4	+43	34.6	8.3	∧ ∨
145	+43°	2439	14	44.5	+43	3.9	9.1	∧ ∨
146	+43°	2440	14	44.7	+43	20.7	8.9	∧ ∨
147	+45°	2235	14	50.4	+45	29.3	8.8	∧ ∨
148	+45°	2233	14	49.3	+45	53.5	7.3	∧ ∨
149	+46°	1999	14	48.7	+46	16.6	7.8	∧ ∨
150	+46°	1998	14	47.8	+46	17.9	8.4	∧ ∨
151	+46°	1997	14	47.8	+46	45.0	8.3	∧ ∨
152	+46°	2000	14	49.6	+46	11.1	8.5	∧ ∨
153	+45°	2237	14	51.1	+45	59.8	8.7	∧ ∨
154	+46°	2006	14	51.6	+46	2.3	8.7	∧ ∨
155	+47°	2186	14	51.4	+47	2.1	8.8	∧ ∨
156	+46°	2008	14	52.6	+46	49.5	8.3	∧ ∨
157	+46°	2011	14	53.5	+46	35.5	8.7	∧ ∨

Identified by Anne, June 27, 1912

Checked Aug. 1 1912 L.S.W.

158	+40°	2863	15	6.8	+40	12.5	8.1	∨
159	+40°	2862	15	6.7	+40	29.6	8.7	∨
160	+41°	2588	15	11.8	+41	49.3	8.2	∨
161	+41°	2586	15	11.6	+41	56.5	9.0	∨

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Monday, June 10, 1912

Time: 10.21

I 37235

No.	Int.	Class	Remark
1	7	Bg	E.
2	4	A	E.
3	5	A3	E.
4	1	K0	E.
5	5	g5	
6	3	A0	Another star partly superposed.
7	6	Bg	
8	4	A0	
9	9	Bg	
10	1	A	
11	7	A3	
12	2	A0	
13	2	K0	
14	2	g5	
15	5	K2	
16	2	g	
17	6	A0	
18	1	K	E.
19	2	A2	
20	6	A2	
21	7	B5	E.
22	5	K2	
23	5	K0	
24	3	B8	Difficult
25	8	B3	
26	4	B8	
27	3	K5	

1	+20°	4175	19	25.8	+20	38.0	7.0	∧ ∨
2	+20°	4178	19	26.7	+20	41.5	7.8	∧ ∨
3	+20°	4179	19	27.0	+20	6.1	7.8	∧ ∨
4	+21°	3819	19	26.7	+21	8.7	7.9	∧ ∨
5	+21°	3822	19	27.2	+21	32.4	6.8	∧ ∨
6	+21°	3827	19	27.8	+21	42.4	8.2	∧ ∨
7	+21°	3836	19	28.9	+21	50.8	7.4	∧ ∨
8	+22°	3737	19	29.4	+22	11.0	7.8	∧ ∨
9	+22°	3741	19	29.9	+22	15.6	6.5	∧ ∨
10	+21°	3843	19	30.1	+21	44.3	8.5	∧ ∨
11	+21°	3849	19	30.9	+21	40.5	6.8	∧ ∨
12	+21°	3852	19	31.4	+21	53.4	8.7	∧ ∨
13	+21°	3856	19	32.0	+21	33.4	7.8	∧ ∨
14	+21°	3858	19	32.5	+21	34.3	7.9	∧ ∨
15	+21°	3862	19	33.2	+21	55.6	7.5	∧ ∨
16	+22°	3749	19	31.7	+22	28.1	7.7	∧ ∨
17	+22°	3752	19	32.5	+22	42.6	7.5	∧ ∨
18	+22°	3754	19	32.6	+22	47.4	7.7	∧ ∨
19	+22°	3757	19	33.3	+22	23.6	8.3	∧ ∨
20	+23°	3731	19	34.2	+23	8.7	7.4	∧ ∨
21	+23°	3733	19	34.5	+23	23.0	6.2	∧ ∨
22	+22°	3767	19	35.0	+22	7.1	6.7	∧ ∨
23	+22°	3776	19	36.6	+22	30.6	7.2	∧ ∨
24	+21°	3885	19	36.8	+21	57.8	8.1	∧ ∨
25	+22°	3784	19	37.2	+22	9.1	7.0	∧ ∨
26	+22°	3803	19	40.1	+22	7.0	8.1	∧ ∨
27	+21°	3909	19	41.0	+21	25.1	7.0	∧ ∨

Carda made

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Monday, June 10 1912.

I 37235

Nr.	Int.	Class	Remark
28	4	Bg	
29	3	F5	
30	4	B5	
31	2	M2	
32	5	g5	
33	10	T3B	Burned out.
34	2	g5	
35	1	g5	
36	2	A2	
37	2	A	
38	4	Bg	
39	6	B8	
40	2	A0	
41	2	M0	
42	3	K5	
43	8	A0	
44	2	M0	
45	6	F0	E.
46	9	F0	E.
47	3	A0	
48	1	g5	
49	8	B0	Focus poor. Confirm if possible.
50	3	Bg	" "
51	3	Ma	
52	3	M0	
53	2	K0	
54	10	K	E.

28	+21°	3920	19	42.0	+21	1.0	8.3	1√
29	+21°	3921	19	42.1	+21	50.9	8.4	1 √
30	+21°	3926	19	42.4	+21	37.7	8.2	1√
31	+22°	3812	19	42.0	+22	24.6	7.7	1√
32	+21°	3941	19	44.4	+21	44.7	7.3	1√
33	+22°	3833	19	44.8	+22	14.2	5.7	1√
34	+21°	3949	19	45.3	+21	55.0	8.0	1√
35	+21°	3950	19	45.3	+21	47.3	8.0	1√
36	+21°	3953	19	46.0	+21	40.1	8.3	1√
37	+22°	3840	19	46.2	+22	5.1	8.0	1√
38	+21°	3962	19	47.2	+21	56.8	8.2	1√
39	+22°	3846	19	47.4	+22	36.5	8.0	1√
40	+21°	3964	19	47.5	+21	45.2	8.5	1 √
41	+22°	3850	19	48.0	+22	12.8	8.5	1√
42	+22°	3854	19	48.5	+22	3.1	7.1	1√
43	+20°	4351	19	50.7	+20	36.7	6.8	1√
44	+21°	3987	19	51.2	+21	22.1	7.8	1√
45	+23°	3845	19	50.6	+23	23.1	7.0	1√
46	+22°	3872	19	53.0	+22	42.5	5.9	1√
47	+22°	3884	19	54.1	+22	2.6	8.0	1√
48	+22°	3887	19	54.5	+22	19.6	7.6	1√
49	+21°	4027	19	56.1	+21	45.2	6.5	1√
50	+21°	4030	19	56.5	+21	27.3	8.0	1√
51	+21°	4036	19	57.4	+21	5.8	6.6	1√
52	+20°	4406	19	57.5	+20	39.3	7.5	1√
53	+19°	4276	19	58.7	+19	48.0	8.7	1√
54	+19°	4277	19	58.7	+19	35.0	5.5	1√

Cards made up

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Monday June 10, 1912

I 37235

No.	Int.	Class	Remark
55	3	Bg	
56	3	fg5	
57	3	A	
58	5	F0	
59	10	B8	E.
60	3	F2	
61	3	B8	Another star superposed ?
62	1	F	
63	2	fg5	
64	5	F0	
65	3	Bg	
66	2	F2	
67	3	B8	
68	5	A0	
69	7	fg0	
70	2	F0	
71	1	A	
72	2	A3	
73	2	F5	Difficult.
74	2	fg5	
75	1	K	
76	1	A	
77	1	K	Partly superposed on 76.
78	2	B5	
79	1	F	
80	2	B8	
81	1	A	

Carter Wade Cox

55	+19°	4274	19	58.3	+19	8.6	8.7	| |
56	+19°	4285	19	59.5	+19	9.8	8.3	∧ ∨
57	+20°	4422	19	59.6	+20	6.8	8.1	| ∕
58	+20°	4423	19	59.8	+20	6.2	8.0	| ∨
59	+19°	4063	19	28.2	+19	27.6	5.8	∧ ∨
60	+18°	4137	19	28.7	+18	41.8	7.0	∧ ∨
61	+20°	4193	19	29.2	+20	30.0	8.3	∧ ∨
62	+20°	4194	19	29.3	+20	51.0	8.5	| |
63	+20°	4200	19	30.3	+20	0.8	bar.	∧ ∕
64	+20°	4210	19	32.0	+20	27.7	6.7	∧ ∨
65	+20°	4215	19	33.3	+20	27.3	7.8	∧ ∨
66	+21°	3863	19	33.2	+21	0.6	7.5	∧ ∨
67	+21°	3867	19	33.7	+21	14.1	8.2	∧ ∨
68	+21°	3868	19	34.3	+21	14.1	7.7	∧ ∨
69	+20°	4218	19	34.1	+20	8.7	6.7	∧ ∨
70	+19°	4120	19	34.8	+19	49.1	8.4	∧ ∨
71	+19°	4125	19	36.2	+19	57.0	8.7	∧ ∨
72	+19°	4127	19	36.6	+19	30.8	9.0	∧ ∨
73	+19°	4129	19	36.7	+19	49.7	8.8	∧ ∨
74	+20°	4234	19	35.8	+20	40.4	8.3	∧ ∨
75	+21°	3878	19	35.8	+21	8.0	8.9	∧ ∨
76	+20°	4248	19	37.5	+20	34.2	8.8	∧ ∕
77	+20°	4249	19	37.6	+20	21.9	8.6	∧ ∨
78	+19°	4137	19	38.9	+19	31.5	8.8	∧ ∨
79	+19°	4139	19	39.6	+19	25.2	8.8	∧ ∨
80	+20°	4252	19	40.1	+20	3.4	8.3	∧ ∨
81	+19°	4146	19	40.3	+19	59.9	8.5	∧ ∨

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H 37 235

No.	Int.	Class	Remark
82	2	Ko	
83	1	K	
84	5	A0	
85	3	Go	
86	6	B2	
87	2	G5	
88	10	A0	
89	3	K0	
90	2	F8	
91	4	B9	
92	2	F5	
93	2	K0	
94	3	B9	
95	9	Comp.	Br = Ma. Ft = A. Hint barely seen.
96	1	A	
97	4	F5	H line appears to be faint, and may be defective. Obs Rp. may be comp
98	1	A5	
99	3	Comp.	Br = Go. Ft = A. K = 0.1 M
100	3	B5	
101	4	A0	Line 4128-31 strong.
102	4	K0	
103	5	A0	
104	6	B2	
105	2	B9	
106	2	Go	
107	8	B2	H just seen distinctly.
108	1	K	

82	+20°	4270	19	40.0	+20	34.7	8.7	1 1
83	+19°	4147	19	40.5	+19	23.5	8.5	1 1
84	+19°	4154	19	41.8	+19	37.9	8.2	1 1
85	+19°	4161	19	42.2	+19	51.4	8.3	1 1
86	+19°	4162	19	42.3	+19	18.0	7.7	1 1
87	+19°	4165	19	42.8	+19	36.2	8.0	1 1
88	+18°	4254	19	42.5	+18	47.2	5.0	1 1
89	+18°	4236	19	40.3	+18	27.7	7.7	1 1
90	+18°	4237	19	40.4	+18	32.0	8.2	1 1
91	+18°	4238	19	40.6	+18	49.7	8.1	1 1
92	+18°	4242	19	41.2	+18	55.8	8.6	1 1
93	+19°	4153	19	41.8	+19	0.1	8.2	1 1
94	+18°	4243	19	41.2	+18	36.1	8.3	1 1
95	+18°	4240	19	40.9	+18	10.5	4.0	1 1
96	+17°	4095	19	41.1	+17	59.8	8.7	1 1
97	+18°	4248	19	42.0	+18	17.5	7.7	1 1
98	+18°	4251	19	42.1	+18	43.2	9.0	1 1
99	+18°	4252	19	42.3	+18	30.7	7.5	1 1
100	+18°	4253	19	42.3	+18	1.0	8.1	1 1
101	+17°	4110	19	43.5	+17	35.7	8.2	1 1
102	+17°	4115	19	43.7	+17	21.2	7.2	1 1
103	+16°	4026	19	44.0	+16	55.0	7.7	1 1
104	+16°	4029	19	44.4	+16	29.5	7.3	1 1
105	+17°	4121	19	45.4	+17	26.5	8.5	1 1
106	+17°	4123	19	45.5	+17	28.6	8.5	1 1
107	+18°	4276	19	45.9	+18	17.5	6.6	1 1
108	+18°	4282	19	46.2	+18	46.2	8.4	1 1

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No.	Int.	Class	Remark
109	5	B8	
110	1	K	
111	2	A0	
112	4	B9	
113	8	A2	
114	7	A3	
115	2	A	
116	5	A0	
117	3	B5	
118	2	A0	
119	7	A0	
120	6	A0	Partly superposed on 119.
121	2	K0	
122	2	G5	
123	2	K0	
124	1	K0	
125	3	B9	
126	2	K0	
127	4	B5	H & K not clearly seen.
128	6	A0	
129	4	A3	
130	10	Ma	
131	4	B2	
132	4	K0	
133	2	A	Grass spectr
134	3	A0	
135	2	A	

109	+18°	4283	19	46.2	+18	22.4	8.0	∧ ✓
110	+18°	4284	19	46.4	+18	26.4	8.6	∧ ∨
111	+19°	4164	19	42.7	+19	56.4	8.5	∧ ✓
112	+20°	4300	19	44.2	+20	12.3	8.1	∧ ∨
113	+19°	4175	19	44.4	+19	51.2	7.5	∧ ✓
114	+19°	4177	19	44.5	+19	40.5	7.5	∧ ✓
115	+19°	4183	19	45.2	+19	45.6	9.0	∧ ✓
116	+20°	4308	19	45.6	+20	33.0	7.8	∧ ✓
117	+20°	4319	19	46.9	+20	47.1	8.6	∧ ✓
118	+20°	4321	19	47.2	+20	55.2	8.2	∧ ✓
119	+19°	4195	19	47.0	+19	58.5	7.2	∧ ✓
120	+19°	4196	19	47.0	+19	57.8	7.5	∧ ✓
121	+19°	4187	19	45.8	+19	29.4	8.0	∧ ✓
122	+19°	4199	19	47.6	+19	37.3	8.5	∧ ✓
123	+19°	4208	19	49.2	+19	37.5	8.5	∨
124	+19°	4215	19	50.1	+19	49.0	8.7	∧ ✓
125	+19°	4221	19	51.2	+19	53.4	8.7	∧ ∨
126	+19°	4220	19	50.9	+19	24.9	8.0	∧ ✓
127	+19°	4218	19	50.7	+19	10.2	8.6	∧ ✓
128	+18°	4215	19	50.1	+18	41.1	7.7	∧ ✓
129	+19°	4226	19	51.7	+19	16.7	8.5	∧ ✓
130	+19°	4229	19	52.3	+19	6.1	8.8	∧ ✓
131	+19°	4236	19	53.5	+19	30.3	8.5	∧ ✓
132	+19°	4242	19	54.5	+19	36.6	8.0	∧ ∨
133	+20°	4382	19	55.3	+20	47.4	8.7	∧ ✓
134	+20°	4389	19	55.9	+20	31.7	8.2	∧ ✓
135	+19°	4257	19	56.2	+19	58.2	9.0	∧ ✓

Wilson Mark

Wilson 4206 +19 19 4213 Mark 9.0 slightly superior See chart plate I 25903

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No.	Int.	Class	Remark
136	2	A2	
137	1	A	
138	2	K0	
139	6	G0	
140	7	K2	
141	6	F8	
142	7	A2	
143	9	G0	
144	3	F8	
145	4	A2	
146	2	G0	
147	4	A3	
148	6	A0	
149	2	A	
150	4	Bq	
151	6	Bq	Difficult. Other stars superposed.
152	2	A	Nearly all superposed on 151.
153	7	G5	
154	2	Bq	
155	10	Bq	
156	7	B8	
157	4	Bq	
158	8	Mb	
Time: 11.05	159	3	K0
June 11 10.14	160	3	F5 Nearly all superposed on 159.
"	161	4	A
	162	3	A

136	+19°	4254	19	55.9	+19	19.7	8.5	∧ /
137	+18°	4359	19	55.4	+18	54.2	9.0	∧ v
138	+18°	4361	19	56.0	+18	8.9	8.5	∧ ✓
139	+17°	4201	19	56.5	+17	53.8	7.2	∧ /
140	+18°	4365	19	56.8	+18	7.4	7.0	∧ ✓
141	+17°	4206	19	57.7	+17	19.1	7.2	∧ /
142	+16°	4119	19	57.4	+16	43.6	7.0	∧ ✓
143	+16°	4121	19	57.6	+16	40.7	8.5	∧ ✓
144	+17°	4210	19	58.2	+17	32.1	8.6	∧ ✓
145	+17°	4213	19	58.6	+17	27.4	8.0	∧ ✓
146	+16°	4039	19	45.7	+16	47.2	8.9	∧ /
147	+17°	4128	19	46.0	+17	4.6	7.8	∧ ✓
148	+17°	4129	19	46.4	+17	27.2	8.0	∧ ✓
149	+17°	4138	19	47.5	+17	51.5	8.6	∧ ✓
150	+17°	4139	19	47.6	+17	34.1	8.5	∧ ✓
151	+16°	4059	19	48.2	+16	58.1	8.3	∧ ✓
152	+17°	4143	19	48.2	+17	4.0	8.5	∧ ✓
153	+16°	4067	19	49.4	+16	15.4	bad	∧ ✓
154	+16°	4073	19	50.2	+16	1.4	8.4	∧ ✓
155	+16°	4081	19	51.2	+16	24.7	5.8	∧
156	+16°	4086	19	51.7	+16	6.4	7.0	∧ ✓
157	+16°	4080	19	51.2	+16	45.6	8.2	∧ ✓
158	+17°	4183	19	53.5	+17	7.2	5.8	∧ /
159	+17°	4185	19	53.6	+17	12.8	7.5	∧ ✓
160	+17°	4187	19	53.6	+17	15.2	8.7	∧ ✓
161	+17°	4182	19	53.4	+17	56.7	8.1	∧ ✓
162	+17°	4188	19	53.8	+17	32.5	8.5	✓

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No.	Int.	Class	Remark
163	2	K0	
164	3	A	
165	2	K0	
166	2	A	
167	4	B9	
168	3	A	
169	2	K0	
170	2	A	
171	3	F8	Look up. K band appears faint.
172	2	K0	
173	3	A	
174	4	A2	
175	2	A	
176	4	A3	
177	2	G5	Partly superposed on 178.
178	3	F2	
179	3	F5	
180	2	A5	E.
181	4	G5	E.
182	3	G5	
183	1	F	
184	1	A	
185	2	K0	
186	2	A0	
187	4	K5	
188	4	A2	
189	2	A	Uncertain. Too much superposed on 190.

163	+17°	4197	19	55.7	+17	7.2	8.2	∧√
164	+18°	4341	19	52.5	+18	10.2	8.3	∧√
165	+17°	4160	19	50.6	+17	58.5	8.5	∧√
166	+18°	4313	19	49.6	+18	4.8	8.9	∧√
167	+17°	4149	19	49.5	+17	31.4	8.0	∧√
168	+17°	4148	19	49.3	+17	42.4	8.5	∧√
169	+17°	4147	19	49.0	+17	48.9	8.3	∧√
170	+16°	4056	19	47.7	+16	18.1	9.0	∧√
171	+16°	4053	19	47.2	+16	24.4	7.3	∧√
172	+15°	3970	19	46.3	+15	52.3	7.9	∧√
173	+15°	3968	19	46.0	+15	33.9	8.4	∧√
174	+14°	4074	19	45.5	+14	57.6	7.3	∧√
175	+14°	4067	19	44.4	+14	48.3	8.2	∧√
176	+14°	4062	19	43.7	+14	9.0	7.7	∧
177	+14°	4053 (4063)	19	42.6	+14	50.7 50.8	7.8	∧√
178	+14°	4052	19	42.6	+14	45.9	7.7	∧√
179	+14°	4048	19	42.0	+14	41.6	7.7	∧√
180	+17°	4007	19	28.0	+17	40.3	8.4	∧√
181	+17°	4009	19	28.1	+17	50.2	7.0	∧√
182	+18°	4142	19	29.4	+18	15.4	7.9	∧√
183	+18°	4144	19	29.5	+18	14.7	8.8	∧√
184	+18°	4149	19	30.0	+18	48.7	8.8	∧√
185	+19°	4080	19	30.4	+19	8.3	8.1	∧√
186	+19°	4081	19	30.6	+19	8.5	8.7	∧√
187	+18°	4162	19	31.0	+18	39.2	6.7	∧√
188	+19°	4090	19	31.5	+19	2.1	7.9	∧√
189	+18°	4166	19	31.6	+18	39.2	8.6	∧√

Both plates? Superposed on 178

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No.	Int.	Class	Remark
190	6	A5	
191	4	B5	
192	2	K0	
193	2	g5	
194	1	A	
195	2	A0	
196	2	g	
197	2	F5	
198	1	A	
199	10	g5	
200	10	K	
201	2	B8	
202	3	B9	
203	7	A0	
204	4	B3	
205	2	A	
206	3	Ma	
207	4	F8	
208	2	A	
209	2	A	
210	3	g0	
211	1	K	
212	2	F8	
213	1	A5	
214	2	F0	
215	3	A	
216	2	A	Partly superposed on 215.

190	+18°	4168	19	31.5	+18	16.4	7.0	∧ ↓
191	+18°	4179	19	32.8	+18	21.5	8.0	∧ √
192	+18°	4182	19	33.1	+18	50.3	7.5	∧ ∨
193	+19°	4111	19	33.5	+19	4.3	7.9	∧ √
194	+19°	4108	19	33.8	+19	23.2 / 15.6	8.2 / 8.6	√
195	+19°	4101	19	32.8	+19	18.9	9.1	∧ ∨
196	+19°	4092	19	32.0	+19	32.2	8.1	∧ √
197	+17°	4036	19	32.7	+17	28.0	8.5	∧ √
198	+17°	4037	19	33.1	+17	42.9	9.2	∧ ∨
199	+17°	4042	19	33.6	+17	41.6	4.3	∧ √
200	+17°	4048	19	34.5	+17	9.5	4.2	∧ √
201	+17°	4047	19	34.5	+17	40.3	9.0	∧ √
202	+17°	4051	19	34.9	+17	50.8	8.4	∧ √
203	+18°	4204	19	35.9	+18	8.0	7.0	∧ ∨
204	+17°	4059	19	36.3	+17	37.5	8.0	∧ ∨
205	+18°	4213	19	37.7	+18	13.6	8.5	∧ ∨
206	+18°	4216	19	38.1	+18	14.5	7.0	∧ ∨
207	+18°	4218	19	38.3	+18	22.9	7.8	∧ √
208	+18°	4224	19	38.6	+18	49.7	9.0	∧ ∨
209	+17°	4080	19	39.9	+17	36.9	8.8	∧ √
210	+17°	4083	19	40.1	+17	27.9	8.5	∧ √
211	+17°	4084	19	40.2	+17	12.5	8.9	∧ √
212	+16°	4006	19	41.4	+16	54.3	8.3	∧ √
213	+17°	4105	19	42.8	+17	17.2	8.7	∧ ∨
214	+17°	4106	19	43.0	+17	7.3	8.5	∧ √
215	+16°	4020	19	43.1	+16	47.8	8.5	∧ ∨
216	+16°	4014	19	43.1	+16	45.1	8.5	∧ ∨

Cards made

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I 37235

No.	Int.	Class	Remark
217	3	B9	
218	1	F	
219	4	G5	
220	2	G5	
221	6	A0	
222	3	A0	
223	6	B9	
224	2	A2	
225	2	A	E.
226	6	B8	E.
227	3	K0	
228	2	F	
229	1	F?	Brit.index confirmed.
230	4	F2	
231	5	F8	
232	8	K0	
233	7	A0	
234	4	B3	
235	2	F5	
236	2	F	
237	1	K	
238	2	A	
Time: 10.35	239	2	A0
" 10.38	240	4	K5 Another star partly superposed.
	241	6	B8
	242	1	A
	243	2	A2

217	+16°	4023	19	43.4	+16	40.1	8.3	∧ ∫
218	+16°	4018	19	43.1	+16	23.3	8.6	∧ ∨
219	+16°	4021	19	43.2	+16	1.4	7.9	∧ ∨
220	+15°	3956	19	42.8	+15	39.2	8.3	∧ ∫
221	+16°	4013	19	42.4	+16	16.5	7.7	∧ ∨
222	+15°	3946	19	41.3	+15	35.9	8.7	∧ ∫
223	+15°	3944	19	41.1	+15	33.1	7.5	∧ ∫
224	+15°	3941	19	40.7	+15	7.4	8.5	∧ ∨
225	+16°	3894	19	27.4	+16	28.4	8.0	∧ ∫
226	+15°	3866	19	27.7	+15	57.1	7.0	∧ ∨
227	+16°	3902	19	28.2	+16	20.2	7.3	∧ ∫
228	+16°	3904	19	28.4	+16	8.3	8.3	∧ ∨
229	+15°	3873	19	29.2	+15	57.5	8.4	∧ ∨
230	+16°	3910	19	29.2	+16	47.3	7.7	∧ ∫
231	+15°	3877	19	29.8	+15	34.4	6.7	∧ ∨
232	+16°	3918	19	30.7	+16	8.7	5.2	∧ ∨
233	+16°	3925	19	31.6	+16	55.5	6.9	∧ ∫
234	+16°	3928	19	31.9	+16	56.2	7.5	∧ ∨
235	+17°	4024	19	30.3	+17	21.0	8.5	∧ ∨
236	+17°	4026	19	30.4	+17	30.0	8.3	∧ ∫
237	+17°	4027	19	30.5	+17	42.4	8.3	∧ ∫
238	+17°	4021	19	29.4	+17	23.5	8.5	∧ ∨
239	+15°	3884	19	31.4	+15	54.8	8.8	∧ ∨
240	+16°	3936	19	32.9	+16	14.7	6.9	∧ ∨
241	+16°	3947	19	33.8	+16	0.0	7.3	∧ ∨
242	+16°	3956	19	34.3	+16	9.1	8.9	∧ /
243	+16°	3961	19	35.1	+16	5.7	8.8	∧ ∫

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T 37235

No.	Int.	Class	Remark
244	1	G	Partly superposed on 245.
245	2	G0	
246	1	A	
247	2	A	
248	5	A0	
249	3	B9	
250	1	A	
251	X5	K0	
252	3	A	
253	3/6	K0	
254	4/5	F8	
Time 10.44 255	3	K2	
~~256~~			
256	1	K2	

244	+17°	4054 a	19	35.9	+17	~~10t~~ 5.7	9.0	/
245	+17°	4055	19	36.0	+17	4.9	8.7	∧ /
246	+16°	3976	19	36.3	+16	50.4	8.8	∧ /
247	+16°	3980	19	36.8	+16	38.6	8.5	∧ V
248	+16°	3986	19	38.2	+16	28.1	8.2	∧ V
249	+15°	3825 g	19	38.5	+15	56.3	7.6	∧ /
250	+15°	3929	19	39.2	+15	51.7	8.7	∧ V
251	+15°	3872	19	28.8	+15	17.8	6.0	∧ V
252	+14°	3978	19	30.7	+14	55.7	8.3	∧ /
253	+14°	3974	19	29.6	+14	4.3	6.5	∧ V
254	+14°	4083	19	47.4	+14	55.0	6.5	∧ V
255	+14°	4096	19	49.3	+14	40.1	7.0	∧ /

Identified by AMC June 28, 1912
Checked August 3 1912 D.T.H.

Cards checked by M.t.H.

256	+16°	4042	19	45.9	+16	16	7.8	~~Dzzr~~

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Tuesday, June 11, 1912.

Time: 11.16 — I 57224

Nr.	Int.	Class	Remark
1	3	F5	C.
2	8	F2	
3	2	K2	
4	1	G5	
5	3	F8	
6	10	F0	
7	3	A5	
8	3	K5	
9	6	F0	
10	4	F8	
11	5	K0	
12	3	M	0, 6, 10.
13	5	F2	
14	2	K0	
15	8	F0	
16	1	G5	
17	2	A0	
18	2	F5	
19	4	K0	
20	5	F5	
21	3	K0	
22	2	F8	
23	1	F5	
24	1	K5	
25	2	F2	
26	4	K5	
27	7	Ma	

1	+76°	710	18	58.0	+76	56.9	8.4	^ ∨
2	+76°	712	19	3.9	+76	49.7	6.5	^ ∨
3	+77°	715	19	8.5	+77	26.9	7.3	^ ∨
4	+77°	716	19	12.5	+77	11.4	8.5	^ ∨
5	+75°	690	19	14.5	+75	55.9	8.0	^ ∨
6	+76°	717	19	14.4	+76	18.9	5.5	^ ∨
7	+76°	722	19	17.9	+76	37.6	8.3	^ ∨
8	+76°	725	19	19.6	+76	1.7	7.8	^ ∨
9	+76°	731	19	23.0	+76	20.2	7.6	^ ∨
10	+76°	733	19	24.2	+76	10.8	8.0	^ ∨
11	+76°	732	19	24.2	+76	31.1	7.3	^ ∨
12	+76°	734	19	26.6	+76	16.9	6.5	^ ∨
13	+77°	728	19	27.5	+77	52.6	7.8	^ ∨
14	+77°	730	19	29.7	+77	36.5	8.3	^ ∨
15	+77°	734	19	36.2	+77	66.6	7.0	^ ∨
16	+77°	736	19	39.9	+77	43.8	7.8	^ ∨
17	+76°	742	19	34.3	+76	26.4	8.7	^ ∨
18	+76°	745	19	38.3	+76	8.2	8.7	^ ∨
19	+76°	750	19	43.5	+76	3.0	8.4	^ ∨
20	+76°	751	19	43.9	+76	12.5	8.5	^ ∨
21	+74°	839	19	47.2	+74	58.2	8.2	^ ∨
22	+75°	714	19	54.4	+75	1.3	8.5	^ ∨
23	+75°	711	19	57.3	+75	29.3	8.5	^ ∨
24	+75°	713	19	54.0	+75	40.6	8.5	^ ∨
25	+75°	717	19	58.8	+75	11.1	8.5	^ ∨
26	+75°	718	~~19~~ 20	0.4	+75	18.9	7.2	^ ∨
27	+76°	771	20	3.6	+76	3.5	6.0	^ ∨

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Tuesday, June 11, 1912
I 37224

No.	Int.	Class	Remark
28	2	A5	
29	1	K5	Perhaps Ma.
30	6	F5	
31	10+	B8	Burned out
32	3	K0	
33	1	K0	
34	2	A5	
35	1	F5	
36	2	K5	
37	4	A0	
38	2	K	E.
39	6	G5	E.
40	3	K5	E.
41	7	B3	E.
42	7	F2	
43	1	F5	
44	2	G5	
45	1	G5	
46	1	K2	
47	2	F2	
48	1	A	
49	2	K2	
50	2	A0	
51	2	A	
52	10	A0	
53	6	F0	E.
54	4	F8	E.

28	+76°	769	20	2.8	+76	35.7	8.5	∧ ∫
29	+77°	7~~58~~ 61	20	11.2	+77	7.5	8.0	∧ ∨
30	+77°	762	20	13.0	+77	24.6	7.7	∧ ∨
31	+77°	76~~4~~	20	13.8	+77	15.8	4.8	∧ ∨
32	+77°	770	20	20.6	+77	33.7	7.8	∧ ∫
33	+77°	743	19	49.3	+77	9.5	8.3	∧ ∨
34	+76°	758	19	54.0	+76	52.7	9.0	∧ ∫
35	+76°	761	19	56.9	+76	55.6	9.0	∧ ∫
36	+78°	694	19	57.6	+78	14.8	7.5	∧ ∨
37	+79°	645	19	51.7	+79	10.2	7.5	∧ ∨
38	+79°	648	19	54.1	+79	4.9	7.0	∧ ∨
39	+79°	~~657~~ 660	~~18~~ 20	~~7.3~~ 9.8	+79	~~8.7~~ 15.5	~~7.8~~ 6.5	∫
40	+79°	668	20	20.2	+79	11.0	7.0	∧ ∨
41	+78°	716	20	41.6	+78	54.5	6.9	∧ ∨
42	+76°	809	20	41.0	+76	18.8	7.1	∧ ∨
43	+76°	778	20	10.5	+76	12.0	9.1	∧ ∨
44	+75°	726	20	13.2	+75	48.7	8.0	∧ ∨
45	+75°	721	20	7.4	+75	5.2	8.8	∧ ∨
46	+74°	854	20	16.7	+74	57.9	7.8	∧ ∫
47	+75°	735	20	21.1	+75	18.0	8.5	∧ ∨
48	+75°	737	20	23.1	+75	38.1	9.0	∧ ∨
48	+75°	739	20	25.7	+75	34.1	7.3	∧ ∨
50	+76°	799	20	27.8	+76	10.5	9.0	∧ ∫
51	+76°	802	20	28.7	+76	2.5	8.5	∧ ∨
52	+75°	683	18	58.4	+75	35.2	6.5	∧ ∫
53	+73°	845	19	2.2	+73	55.3	6.8	∧ ∫
54	+73°	848	19	6.4	+73	9.1	7.7	∧ ∫

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Thursday, June 11, 1912
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	No.	Int.	Class	Remark
	55	2	A2	
	56	3	Ma	
	57	10	K0	
	58	3	A0	
	59	6	A5	
11.30	60	3	A2	
11.33	61	3	K0	
	62	3	A0	
	63	2	K0	
	64	3	Bg	
	65	2	K0	
	66	5	A5	
	67	2	K0	
	68	5	A0	
	69	7	K0	
	70	4	K0	
	71	7	A2	
	72	3	F5	
	73	3	K2	
	74	2	K0	
	75	3	F0	
	76	2	A0	
	77	3	A	From 5 to violet superposed on 78.
	78	4	A0	
	79	3	K0	
	80	4	K0	
	81	3	F5	

55	+73°	853	19	11.2	+73	23.6	8.6	^)
56	+73°	854	19	15.5	+73	37.7	8.2	^ V
57	+73°	857	19	18.3	+73	4.9	4.4	^ V
58	+73°	856	19	18.0	+73	35.2	7.8	^ V
59	+73°	860	19	21.7	+73	16.6	7.5	^ V
60	+74°	816	19	21.4	+74	2.2	8.8	^ V
61	+74°	812	19	18.0	+74	46.1	8.0	^ V
62	+74°	815	19	20.8	+74	39.2	8.4	^)
63	+74°	818	19	21.9	+74	13.6	8.8	/
64	+74°	821	19	26.2	+74	20.6	8.5	^ V
65	+74°	823	19	27.3	+74	42.4	8.9	^)
66	+74°	828	19	34.6	+74	37.1	8.5	^ V
67	+73°	865	19	34.7	+73	57.0	8.8	^ V
68	+73°	871	19	37.1	+73	58.4	8.7	^ V
69	+74°	831	19	38.2	+74	0.9	6.7	^ V
70	+74°	830	19	37.8	+74	38.4	8.0	^ V
71	+74°	829	19	36.7	+74	59.1	8.5	^ V
72	+75°	701	19	35.7	+75	21.1	8.9	^ V
73	+75°	702	19	36.9	+75	16.8	8.5	^ V
74	+74°	834	19	41.8	+74	3.0	8.8	^ V
75	+72°	904	19	37.8	+72	48.4	8.6	^ V
76	+73°	872	19	39.8	+73	11.4	8.7	^ V
77	+72°	909	19	44.6	+72	10.2	8.3	^)
78	+71°	973	19	44.8	+71	59.4	7.8	
78	+72°	911	19	48.5	+72	5.8	7.0	V
79	+72°	911	19	48.5	+72	5.8	7.0	^ /
80	+71°	981	19	58.0	+71	55.6	7.7	^ U
81	+72°	926	19	58.3	+72	32.4	8.0	^ V

819 19 58 11.6 9.2 +74 Images Slightly Elongated

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Tuesday, June 11, 1912.
I37234

No.	Int.	Class	Remark
82	2	F5	Confirm
83	3	F5	
84	2	F8	
85	4	F8	
86	6	K0	
87	1	K5	
88	3	K0	
89	4	B9	
90	2	F5	
91	2	?	Partly superposed on 92.
92	7	A0	
93	2	F5	
94	7	F0	
95	4	?	
96	2	A2	
97	3	A3	
98	3	F5	
99	3	A3	Partly superposed on 100.
100	4	F5	Difficult. ~~on~~ Partly superposed on 99.
101	2	A2	
102	6	K2	
103	3	K	E.
104	10	A2	Line 4077 strong. 4128 and other metallic lines strong.
105	3	A2	
106	4	F5	Band ? resembles that of Pl. Cor. Bor.
107	1	K	E.
108	2	A2	

82	+73°	890	19	58.5	+73	13.6	8.5
83	+73°	882	19	57.0	+73	58.1	8.3
84	+74°	845	20	0.8	+74	27.5	8.5
85	+73°	896	20	6.4	+73	55.3	8.2
86	+73°	897	20	6.4	+73	28.7	6.7
87	+73°	898	20	7.0	+73	3.7	8.3
88	+73°	899	20	9.4	+73	4.0	8.3
89	+73°	901	20	13.5	+73	32.4	8.5
90	+73°	900	20	11.4	+73	57.7	8.0
91	+72°	933	20	6.2	+72	33.3	8.0
92	+72°	934	20	6.2	+72	20.6	7.5
93	+71°	1007	20	12.2	+71	33.7	8.1
94	+72°	943	20	14.6	+72	26.0	6.8
95	+72°	945	20	15.9	+72	8.0	7.0
96	+71°	1011	20	16.0	+71	42.3	9.0
97	+71°	1014	20	18.2	+71	19.5	8.4
98	+72°	946	20	18.1	+72	27.0	8.0
99	+72°	950	20	23.4	+72	45.5	8.2
100	+72°	949	20	23.4	+72	40.6	7.9
101	+72°	953	20	27.6	+72	20.1	8.3
102	+72°	957	20	30.6	+72	2.9	6.3
103	+72°	962	20	41.8	+72	26.8	7.0
104	+74°	872	20	33.4	+74	26.5	5.5
105	+74°	870	20	31.9	+74	30.9	8.6
106	+75°	752	20	39.2	+75	3.9	7.2
107	+75°	753	20	41.2	+75	21.5	7.8
108	+74°	877	20	40.3	+74	44.2	8.3

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Tuesday June 11, 1912.
H 37224

No.	Int.	Class	Remark
109	2	A0	
110	2	G	
111	4	G5	
112	8	A3	
113	9	G5	
114	4	K	E.
115	5	G	E.
116	4	A2	E.
117	4		Superposed on 118. Look up.
118	4	A0	
119	5	G5	
120	4	K0	
121	2	K	
122	3	K0	
123	4	K0	
124	3	A0	
125	5	F2	
126	7	F2	
127	2	A0	
128	6	K2	
129	3	A	E.
130	10	G	E.
131	5	G5	E.
132	2	A	E.

Time: 11.48

109	+74°	878	20	41.9	+74	28.4	8.5	∧ J
110	+74°	886	20	46.3	+74	9.8	8.3	∧ J
111	+74°	889	20	52.6	+74	12.4	7.8	∧ V
112	+74°	890	20	52.8	+74	5.6	7.3	∧ V
113	+75°	764	20	56.5	+75	20.9	6.0	∧ V
114	+75°	765	20	59.7	+75	8.6	6.6	∧ V
115	+71°	932	19	9.2	+71	50.6	7.2	∧ J
116	+72°	877	19	10.1	+72	1.6	8.0	∧ V
117	+71°	936	19	11.9	+71	59.9	7.5	∧ J
118	+71°	938	19	12.4	+71	52.0	8.3	∧ V
119	+71°	945	19	18.9	+71	4.2	6.8	∧ V
120	+71°	949	19	22.7	+71	50.5	7.5	∧ V
121	+71°	951	19	24.7	+71	36.9	8.2	∧ J
122	+72°	895	19	29.8	+72	10.6	7.5	∧ V
123	+71°	956	19	31.8	+71	57.4	7.5	∧ V
124	+71°	955	19	31.6	+71	37.8	8.5	∧ V
125	+73°	863	19	39.5	+73	3.4	7.5	∧ V
126	+71°	964	19	35.8	+71	17.3	6.7	∧ V
127	+71°	960	19	33.6	+71	1.2	8.3	∧ J
128	+70°	1073	19	32.1	+70	40.7	6.3	∧ J
129	+69°	1057	19	35.0	+69	56.2	8.2	∧ V
130	+69°	1070	19	48.6	+69	53.2	3.8	∧ J
131	+69°	1084	19	59.1	+69	57.6	6.5	∧ V
132	+70°	1102	20	1.9	+70	3.2	8.1	∧ J

Identified by ANC. June 21, 1912
Checked July 18 1912 EBW

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Wednesday June 12, 1912

I 37727

Time: 12.30

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

1	+33°	2172	11	49.3	+33	0.6	8.0	^ v
2	+33°	2174	11	50.7	+33	4.6	6.7	^ J
3	+32°	2207	11	51.0	+32	43.4	8.1	^ v
4	+32°	2208	11	51.1	+32	7.3	8.3	^ J
5	+33°	2176	11	51.8	+33	58.0	6.0	^ v
6	+33°	2181	11	53.4	+33	46.0	8.0	^ J
7	+33°	2178	11	52.7	+33	1.6	8.2	^ v
8	+33°	2185	11	54.6	+33	8.4	8.6	^ J
9	+31°	2321	11	53.7	+31	47.4	8.8	^ J
10	+31°	2322	11	53.8	+31	27.1	7.4	^ J
11	+31°	2323	11	54.3	+31	42.2	8.7	^ J
12	+32°	2212	11	54.7	+32	1.5	8.5	^ J
13	+32°	2213	11	55.3	+32	19.4	8.5	^ J
14	+34°	2281	11	55.9	+34	24.4	8.8	^ J
15	+33°	2187	11	56.2	+33	51.8	8.7	^ v
16	+33°	2189	11	57.4	+33	39.1	8.3	^ J
17	+34°	2284	11	57.7	+34	33.4	7.3	^ J
18	+34°	2285	11	59.3	+34	22.0	8.0	^ J
19	+34°	2286	11	59.5	+34	14.1	8.1	^ J
20	+34°	2288	12	0.1	+34	31.2	8.7	^ v
21	+35°	2316	12	1.4	+35	0.4	8.3	^ J
22	+33°	2193	12	2.3	+33	53.7	8.0	^ J
23	+33°	2199	12	3.6	+33	48.3	8.7	^ J
24	+33°	2198	12	3.5	+33	10.8	9.0	^ J
25	+33°	2192	12	0.8	+33	14.5	8.8	^ J
26	+32°	2225	12	0.2	+32	50.0	8.8	^ v
27	+32°	2220	11	58.7	+32	58.0	8.6	^ v

Cards made out by M. C. W.

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Wednesday, June 12, 1912

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No.	Int.	Class	Remark
28	2	Ko	
29	3	Ao	
30a	1	Ao	
30	4	Mb	
31	3	F2	E.
32	3	K2	E.
33	2	A	E.
34	1	K	E.
35	4	K2	E.
36	3	Ko	
37	5	Ko	E.
38	9	F2	E.
39	2	F5	
40	2	F5	
41	4	F5	
42	5	F5	
43	6	Ko	
44	4	G5	
45	4	F5	
46	4	Go	
47	2	F8	
48	2	G	
49	10	Ko	
50	1	G	
51	1	G	
52	7	A5	
53	2	Ko	
54	4	Go	

28	+32°	2218	11	58.0	+32	1.0	7.9	^ J
29	+31°	2327	11	57.7	+31	37.7	8.1	^ J
30a	+31°	2331	12	0.7	+31	51.5	7.2	^ J
30	+30°	2217	11	56.1	+30	29.0	7.2	^ J
31	+30°	2212	11	54.3	+30	21.4	7.8	^ J
32	+30°	2223	11	59.3	+30	17.8	7.8	^ J
33	+31°	2328	11	59.4	+31	3.5	8.9	^ J
34	+31°	2329	12	0.4	+31	12.9	7.8	^ J
35	+31°	2332	12	0.9	+31	3.8	7.2	^ J
36	+30°	2230	12	2.0	+30	15.9	7.6	^ J
37	+29°	2263	12	3.1	+29	52.2	7.2	^ J
38	+29°	2265	12	4.6	+29	20.9	6.7	^ J
39	+31°	2336	12	2.7	+31	12.6	8.9	^ J
40	+32°	2227	12	1.8	+32	43.4	8.6	^ J
41	+32°	2228	12	4.1	+32	47.2	8.2	^ J
42	+32°	2229	12	5.5	+32	35.9	7.6	^ J
43	+33°	2205	12	6.8	+33	34.9	7.0	^ J
44	+34°	2299	12	6.9	+34	15.3	8.0	^ J
45	+34°	2301	12	7.7	+34	3.1	7.8	^ J
46	+33°	2209	12	7.9	+33	38.8	8.2	^ J
47	+33°	2210	12	8.0	+33	27.4	8.6	^ J
48	+33°	2211	12	8.4	+33	34.9	8.8	^ J
49	+33°	2213	12	9.2	+33	52.2	5.0	^ J
50	+33°	2207	12	7.8	+33	0.7	8.8	^ J
51	+33°	2217	12	10.7	+33	30.9	9.0	^ J
52	+33°	2219	12	11.2	+33	33.0	7.2	^ J
53	+31°	2342	12	6.3	+31	46.4	8.3	^ J
54	+31°	2343	12	6.8	+31	37.8	8.2	^ J

cards made out by Mr. C. W.

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Wednesday, June 12, 1912.

I 37727

No.	Int	Class	Remark
55	7	A2	
56	2	ly5	
57	3	F8	
58	9	F0	
59	10	A0	E.
60	6	A2	E.
61	6	F5	E.
62	3	K2	
63	1	ly	
64	3	F5	
65	3	K0	
66	2	ly	
67	4	K0	
68	3	ly5	
69	2	ly5	
70	1	ly	Partly superposed on 71.
71	2	ly0	
72	2	ly0	
73	5	K0	
74	2	ly0	
75	1	ly5	
76	6	K0	
77	3	ly0	
78	3	A2	
79	2	F8	
80	3	K0	E.
81	6	F8	E.

55	+31°	2340	12	5.9	+31	5.5	7.4	∧ ∫
56	+31°	2341	12	6.3	+31	22.4	8.0	∧ ∫
57	+30°	2245	12	7.7	+30	56.9	8.0	∧ ∫
58	+31°	2350	12	11.2	+31	3.7	6.5	∧ ∫
59	+29°	2275	12	10.2	+29	45.2	5.8	∧ ∫
60	+29°	2280	12	12.6	+29	15.9	7.0	∧ ∫
61	+28°	2106	12	12.2	+28	57.8	6.5	∧ ∫
62	+31°	2353	12	12.7	+31	17.8	8.5	∧ ∫
63	+30°	2255	12	12.2	+30	58.6	8.5	∧ ∫
64	+32°	2234	12	13.9	+32	6.0	8.3	∧ ∫
65	+32°	2239	12	15.4	+32	8.5	8.0	∧ ∫
66	+32°	2241	12	17.3	+32	4.8	8.6	∧ ∫
67	+31°	2362	12	17.6	+31	50.4	7.2	∧ ∫
68	+32°	2243	12	17.6	+32	37.6	8.1	∧ ∫
69	+32°	2244	12	18.1	+32	41.7	8.9	∧ ∫
70	+32°	2235	12	14.0	+32	54.4	8.7	∧ ∫
71	+32°	2236	12	14.1	+32	58.5	8.5	∧ ∫
72	+33°	2226	12	14.9	+33	9.6	8.9	∧ ∫
73	+33°	2225	12	14.8	+33	53.7	7.7	∧ ∫
74	+34°	2308	12	14.3	+34	15.5	9.0	∧ ∫
75	+35°	2331	12	13.3	+35	3.6	8.8	∧ ∫
76	+35°	2333	12	13.9	+35	7.6	6.8	∫
77	+35°	2334	12	14.8	+35	3.8	8.5	∧ ∫
78	+35°	2337	12	17.9	+35	33.5	8.3	∧ ∫
79	+34°	2311	12	17.7	+34	19.9	8.8	∧ ∫
80	+35°	2342	12	21.3	+35	25.5	8.0	∧ ∫
81	+35°	2343	12	22.1	+35	30.0	7.0	∧ ∫

cards made out by M. C. W.

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Wednesday, June 12, 1912
Ξ37727

	No.	Int.	Class	Remark
	82	7	A2	
	83	1	H	
	84	4	ly	E.
	85	8	F0	
	86	2	ly	
	87	2	H	
	88	3	ly5	
	89	5	K0	
12.49	90	8	F5	E.
1.00	91	9	F2	
	92	7	Mb	
	93	3	K0	
	94	7	A0	
	95	10	M0	
	96	5	A5	
	97	3	F2	
	98	1	H	
	99	2	K5	
	100	5	K0	
	101	2	ly	
	102	3	F8	
	103	5	A5	Region of H not well seen. Low dsp.
	104	4	F5	
	105	7	F2	
Line 1.03	106	2	F8	
	107	9	F0	
	~~108~~			

82	+37°	2278	12	20.0	+37	10.2	7.1	∧ ✓
83	+36°	2269	18 (2)	20.8	+36	9.5	8.9	∧ ∫
84	+36°	2270	12	22.1	+36	19.1	7.9	∧ ∫
85	+34°	2268	11	46.3	+34	26.1	6.8	∧ ∫
86	+34°	2270	11	48.7	+34	0.3	7.2	∧ ✓
87	+34°	2273	11	49.7	+34	9.7	8.9	∧ ∫
88	+35°	2293	11	48.0	+35	19.3	8.3	∧ ∫
89	+35°	2295	11	49.0	+35	42.6	7.3	∧ ∫
90	+36°	2223	11	48.5	+36	8.7	6.5	∧ ✓
91	+36°	2225	11	48.8	+36	15.6	6.6	∧ ∫
92	+37°	2230	11	47.7	+37	35.1	6.5	∧ ∫
93	+37°	2231	11	48.7	+37	3.6	8.0	∧ ∫
94	+37°	2238	11	52.7	+37	32.1	7.8	∧ ∫
95	+36°	2230	11	55.2 (4)	+36	51.0	5.5	∧ ∫
96	+36°	2232	11	55.2	+36	32.1	8.3	∧ ✓
97	+37°	2242	11	55.4	+37	36.6	8.3	∧ ✓
98	+37°	2244	11	55.8	+37	31.6	8.8	∧ ∫
99	+37°	2246	11	57.0	+37	9.4	8.3	∧ ✓
100	+36°	2235	11	57.2	+36	21.8	7.3	∧ ∫
101	+36°	2237	11	59.2	+36	8.9	9.0	∧ ∫
102	+36°	2243	12	3.7	+36	10.5	8.6	∧ ∫
103	+36°	2246	12	4.2	+36	54.2	8.5	∧ ∫
104	+36°	2248	12	5.2	+36	33.5	7.5	∧ ∫
105	+35°	2321	12	4.2	+35	4.7	7.0	∧ ∫
106	+36°	2254	12	8.5	+36	3.3	8.6	∧ ∫
107	+34°	2279	11	52.5	+34	51.0	6.6	∧ ∫
~~108~~								

Identified by AMC, June 28, 1912

Cards checked by AMC. cards made out by M. C. W.

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Thursday June 13 1912

Time: 9.53 (B 41067 (about) In faint stars in region.

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

1	- 34°	159	0	23.1	- 34	47.1	8.7
2	- 34°	148	0	21.3	- 34	49.7	8.5
3	- 34°	147	0	21.3	- 34	58.6	9.0
4	- 35°	128	0	19.5	- 35	30.9	9.3
5	- 35°	125	0	19.2	- 35	31.6	8.7
6	- 35°	124	0	19.1	- 35	22.3	8.8
7	- 36°	119	0	18.1	- 36	20.2	8.2
8	- 36°	115	0	17.1	- 36	22.4	8.9
9	- 35°	110	0	16.9	- 35	15.6	8.6
10	- 35°	107	0	16.3	- 35	27.6	8.5
11	- 37°	89	0	14.6	- 37	10.2	8.5
12	- 37°	86	0	14.3	- 37	37.8	8.4
13	- 37°	56	0	10.2	- 37	29.9	8.7
14	- 36°	90	0	12.0	- 36	31.1	9.0
15	- 36°	75	0	9.4	- 36	47.3	9.0
16	- 36°	78	0	10.1	- 36	0.8	9.0
17	- 35°	69	0	9.4	- 35	50.4	7.9
18	- 35°	73	0	10.3	- 35	32.6	8.0
19	- 35°	72	0	10.1	- 35	31.6	8.6
20	- 35°	92	0	13.8	- 35	48.8	8.8
21	- 33°	139	0	15.3	- 33	47.2	8.9
21a	- 33°	108	0	15.3	- 33	44.9	9.0
22	- 33°	110	0	16.4	- 33	13.1	8.5
23	- 33°	104	0	14.7	- 33	24.9	8.5
24	- 32°	98	0	13.8	- 32	30.3	8.3
25	- 32°	90	0	12.3	- 32	23.7	9.0
26	- 31°	122	0	14.6	- 31	21.6	9.1
27	- 31°	120	0	14.2	- 31	14.6	8.1

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Thursday, June 13, 1912
B 4106 photat disp.

Nr.	Int.	Class	Remark
28	4	F8	
29	2	G0	
30	2	K0	
31	3	F8	
32	2	G0	
33	4	G5	
34	3	Neb	H. 8 bright Cent. of. very faint near H.8 Strong near H. 8.
35	2	F8	
36	1	G5	
37	2	K0	
38	2	G5	
39	3	F8	
40	3	G0	
41	1	K	
42	1	K	
43	2	G5	
44	3	F8	
45	2	K0	
46	2	F5	
47	2	G0	
48	3	G5	
49	2	G5	
50	2	K0	
51	3	G5	
52	2	K0	
53	1	G	
54	3	G5	

28	− 31°	1′.0	0″	13.4	− 31	21.2	8.0 ✓
29	− 31°	9.0	0	10.8	− 31	19.9	8.6 ✓
30	− 31°	8.3	0	10.4	− 31	7.6	8.3 ✓
31	− 31°	7.1	0	8.9	− 31	37.4	8.2 ✓
32	− 31°	6.7	0	8.3	− 31	42.7	8.5 ✓
33	− 31°	5.2	0	6.2	− 31	32.3	8.0 ✓
34	− 32°	6.9	0	9.1	− 32	44.7	7.5 ✓
35	− 33°	6.4	0	9.2	− 33	5.8	9.0 ✓
36	− 34°	6.7	0	10.0	− 34	10.0	8.9 ✓
37	− 33°	6.0	0	8.4	− 33	44.2	8.4 ✓
38	− 33°	4.7	0	7.0	− 33	49.9	8.9 ✓
39	− 33°	4.2	0	6.2	− 33	0.8	8.8 ✓
40	− 32°	4.9	0	6.5	− 32	35.2	8.4 ✓
41	− 32°	4.1	0	6.0	− 32	9.9	8.8 ✓
42	− 32°	2.3	0	3.3	− 32	46.9	8.9 ✓
43	− 32°	2.4	0	3.3	− 32	30.6	8.9 ✓
44	− 32°	2.1	0	3.1	− 32	11.6	9.1 ✓
45	− 32°	1.8	0	2.8	− 32	10.2	8.8 ✓
46	− 32°	1.7	0	2.7	− 32	0.8	9.0 ✓
47	− 33°	2.6	0	3.8	− 33	58.6	9.3 ✓
48	− 34°	2.9	0	3.5	− 34	28.5	8.5 ✓
49	− 33°	1.7	0	2.6	− 33	43.9	8.9 ✓
50	− 33°	1.5	0	2.3	− 33	10.1	8.6 ✓
51	− 32°	0.6	0	1.0	− 32	44.9	8.3 ✓
52	− 34°	0.3	0	0.2	− 34	20.5	9.3 ✓
53	− 34°	16h 9m 5	23	59.1	− 34	4.2	9.5 ✓
54	− 34°	16h 9m 3	23	59.0	− 34	11.8	8.5 ✓

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Thursday, June 13, 1912.
B41067. chart disp.

No.	Int.	Class	Remark
55	2	F8	
56	3	K0	
57	1	F8	
58	3	G0	
59	4	G0	
60	4	A2	
61	X3	K0	
62	1	G	
63	5	G5	
64	7	A2	
65	3	F5	
66	3	K0	
66a	1	K	
67	2	K0	
68	4	G0	
69	1	K0	
70	2	A	
71	2	K0	
72	3	G5	
73	2	F8	
74	2	K0	
75	2	G0	
76	3	K0	
77	4	F8	
Time: 10.11	78	4	A0
" 10.55	79	2	K5 C.
	80	3	A5 C.
	81	3	K5

53	-34°	16288	23	57.8	-34	0.2	9.3 ✓
56	-34°	16280	23	56.7	-34	4.1	8.5 ✓
57	-34°	16272	23	55.8	-34	26.0	9.3 ✓
58	-33°	16838	23	59.0	-33	7.1	9.3 ✓
59	-33°	16835	23	58.5	-33	11.5	8.5 ✓
60	-33°	16834	23	58.4	-33	3.8	8.9 ✓
61	-32°	17802	23	58.0	-32	51.4	8.3 ✓
62	-33°	16833	23	58.3	-33	17.8	9.4 ✓
63	-32°	17763	23	58.3	-32	54.5	8.0 ✓
64	-32°	17761	23	58.1	-32	22.9	7.5 ✓
65	-33°	16786	23	51.7	-33	50.1	8.5 ✓
66	-35°	16257 16008	23	52.2	-35	58.2 0.1	7.7 9.0 ✓
66a	~~-35°~~	16008	23	52.2	-35	0.1	8.0
67	-31°	143	0	17.7	-31	57.8	8.3 ✓
68	-32°	119	0	18.9	-32	32.3	8.2 ✓
69	-32°	125	0	19.9	-32	21.3	8.8 ✓
70	-36°	24	0	3.4	-36	56.7	9.1 ✓
71	-36°	19	0	2.5	-36	30.7	8.4 ✓
72	-36°	12	0	1.4	-36	28.9	8.6 ✓
73	-35°	8	0	0.9	-35	54.8	9.0 ✓
74	-35°	16061	23	59.2	-35	49.6	8.6 ✓
75	-36°	16167	23	59.2	-36	11.5	9.0 ✓
76	-36°	16152	23	57.1	-36	18.0	7.8 ✓
77	-36°	16147	23	56.9	-36	15.0	9.0 ✓
78	-36°	16149	23	57.0	-36	39.5	9.0 ✓
79	-37°	15492	23	58.1	-37	58.8	8.0 ✓
80	-38°	15696	23	59.0	-38	7.8	8.4 ✓
81	-36°	16129	23	53.8	-36	41.0	8.3 ✓

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Thursday, June 13, 1912.
B41667 short disp.

No.	Int.	Class	Remark
82	2	K5	
83	2	G5	
84	2	G	E.
85	1	G5	
86	3	G5	
87	2	K8	
88	2	G0	
89	2	K0	
90	2	G0	
91	3	G0	
92	3	K0	
93	5	A0	
94	2	K0	
95	2	G0	
96	2	G0	
96a	5	A0	
97	3	A2	
98	2	F5	
99	1	G0	
100	1	K	
101	5	G0	
102	3	F8	Partly superposed on 101.
103	2	A5	
104	2	F	
105	2	K0	
106	5	A0	
107	2	K0	
108	1	F5	

82	− 36°	16178	23	53.7	− 36	39.0	8.0	✓
83	− 36°	16130	23	53.9	− 36	37.0	9.1	✓
84	− 36°	16122	23	52.9	− 36	44.5	9.3	✓
85	− 35°	16022	23	53.4	− 35	46.1	8.5	✓
86	− 35°	16020	23	53.3	− 35	42.6	8.3	✓
87	− 35°	16027	23	54.3	− 35	26.0	8.7	✓
88	− 35°	16026	23	54.1	− 35	25.4	9.0	✓
89	− 33°	16806 4	23	54.7 4	− 33	27.4 5	9.0 8.5	✓
90	− 33°	16804 2	23	54.4 2	− 33	~~25.4~~ 15.5	8.5 8.1	✓
91	− 32°	17778	23	54.9	− 32	35.5	8.5	✓
92	− 32°	17789	23	56.5	− 32	3.2	8.3	✓
93	− 31°	19571	23	56.8	− 31	55.2	7.8	✓
94	− 31°	19584	23	58.2	− 31	52.2	7.7	✓
95	− 32°	17812	23	59.7	− 32	7.9	8.8	✓
96	− 31°	b.	0	0.5	− 31	18.3	9.1	✓
96a	− 31°	1.0	0	0.7	− 31	15.1	7.9	
97	− 30°	10	0	1.7	− 30	43.9	8.8	✓
98	− 30°	13	0	2.1	− 30	46.2	8.9	✓
99	− 30°	19	0	2.6	− 30	38.5	9.1	✓
100	− 31°	35	0	4.1	− 31	10.3	8.5	✓
101	− 31°	19594	23	59.5	− 31	3.6	7.5	✓
102	− 31°	19595	23	59.6	− 31	1.3	8.8	✓
103	− 30°	19827	23	59.0	− 30	58.6	9.0	✓
104	− 30°	19834	23	59.3	− 30	39.1	9.0	✓
105	− 29°	18958 3	23	59.8 3	− 29	~~57.9~~ 33.0	~~8.3~~ 8.5	✓
106	− 31°	19562	23	55.7	− 31	22.4	8.5	✓
107	− 31°	19557	23	58.3	− 31	23.2	8.5	✓
108	− 30°	19786	23	55.8	− 30	8.0	9.0	✓

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Thursday, June 13, 1912.
B41067 short disp.

Hr	Int.	Class	Remarks
109	2	F0	
110	2	F5	
111	2	F0	
112	4	F0	
113	3	G0	
114	2	G	
115	3	G5	
116	2	F2	
117	3	G0	
118	2	F5	
119	1	F5	
120	2	G0	
121	2	F8	
122	1	G5	
Time: 11.08 123	3	G0	
124	6	K2	
125	5	G0	
126	4	G5	
127	5	G5	
128	2	G5	

109	-30°	19785	23	55.6	-30	51.4	9.0	✓
110	-30°	19803	23	57.1	-30	24.6	9.5	✓
111	-29°	18934	23	56.0	-29	16.1	8.9	✓
112	-29°	18903	23	52.1	-29	54.1	8.4	✓
113	-30°	19761	23	52.3	-30	11.9	8.4	✓
114	-30°	19762	23	52.5	-30	37.4	8.7	✓
115	-31°	19526	23	51.4	-31	8.3	8.0	✓
116	-30°	55	0	8.5	-30	52.0	9.0	✓
117	-30°	58	0	9.1	-30	51.6	8.2	✓
118	-35°	85	0	12.6	-35	40.4	8.9	✓
119	-36°	42	0	5.9	-36	26.3	8.8	✓
120	-36°	37	0	5.5	-36	14.7	8.5	✓
121	-35°	37	0	4.5	-35	58.4	8.5	✓
122	-35°	24	0	2.8	-35	26.0	9.0	✓
123	-34°	56	0	8.7	-34	17.1	9.0	✓

Identified by A.M.C. June 13, 1912
Checked by J.C.M. June 14, 1912

124	-37°	15500	23	59.1	-38	0	7.5
125	-34°	26	0	3.2	-34	48	8.7
126	-33°	37	0	5.5	-33	56	8.6
127	-33°	35	0	5.0	-33	30	8.4
128	-33°	39	0	5.6	-33	44	8.7

Ident. on cards by J.C.M. Nov. 16, 1915
Ident. in book by J.C.M. Nov. 16, 1915
Checked by C.J.C. by company in B4187

Contr. in Bk 127, 174

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Saturday, June 15, 1912

Time: 11.35

I 37806

No.	Int.	Class	Remark
1	3	A	E.
2	6	A0	E.
3	7	A0	E.
4	2	F5	E.
5	4	A0	
6	5	A0	
7	2	F8	
8	2	G	
9	8	A0	
10	3	K2	
11	10	A2	
12	4	A0	
13	1	G	
14	2	A	
15	2	A	
16	5	G0	E.
17	5	K0	E.
18	2	A	E.
19	4	A	E.
20	3	A	E.
21	4	A0	
22	3	G5	
23	4	A0	
24	1	G	
25	2	F8	
26	2	K2	
27	8	K1	

1	+19°	3736	18	33.6	+19	56.6	7.9	∧ ∨
2	+20°	3879	18	33.0	+20	22.6	7.7	∧ ∨
3	+20°	3880	18	33.1	+20	48.5	7.5	∧ ∨
4	+20°	3877	18	32.8	+20	44.9	8.5	∧ ∨
5	+21°	3500	18	31.5	+21	23.6	8.5	∧ ∨
6	+21°	3495	18	30.6	+21	13.0	8.5	∧ ∨
7	+20°	3858	18	30.0	+20	52.0	8.4	∧ ∨
8	+20°	3853	18	29.3	+20	57.4	8.4	∧ ∨
9	+21°	3483	18	28.6	+21	22.5	7.5	∧ ∨
10	+21°	3481	18	28.8	+21	4.0	7.9	∧ ∨
11	+20°	3847	18	28.1	+20	21.4	6.5	∧ ∨
12	+19°	3716	18	30.1	+19	53.4	7.3	∧ ∨
13	+19°	3713	18	29.7	+19	46.0	8.1	∧ ∨
14	+20°	3851	18	29.1	+20	51.	8.8	∧ ∨
15	+20°	3856	18	29.8	+20	21.8	9.0	∧ ∨
16	+18°	3734	18	28.0	+18	34.9	7.0	∧ ∨
17	+18°	3728	18	26.9	+18	49.0	7.1	∧ ∨
18	+19°	3681	18	26.7	+19	0.7	8.4	∧ ∨
19	+19°	3675	18	26.1	+19	21.9	8.1	∧ ∨
20	+19°	3671	18	25.6	+19	47.4	8.2	∧ ∨
21	+20°	3833	18	26.6	+20	18.0	8.3	∧ ∨
22	+20°	3837	18	27.1	+20	52.5	8.2	∧ ∨
23	+21°	3477	18	27.8	+21	43.1	8.2	∧ ∨
24	+21°	3476	18	27.4	+21	50.5	9.0	∧ ∨
25	+21°	3475	18	27.3	+21	54.0	8.9	∧ ∨
26	+22°	3406	18	27.2	+22	13.3	9.1	∧ ∨
27	+21°	3470	18	25.6	+21	48.3	7.8	∧ ∨

Cards made out

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Saturday, June 15, 1912.
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No.	Int.	Class	Remark
28	2	G	Partly superposed on 29.
29	5	K0	
30	8	G5	
31	2	F5	
32	4	A0	
33	5	F8	
34	5	A0	
35	1	K	
36	2	A	
37	3	K0	
38	1	K	Another star superposed?
39	1	K	
40	3	A2	Line 4077 strong.
41	2	F5	Confirms.
42	5	A0	
43	6	G5	
44	4	K0	
45	3	K0	
46	3	A0	
47	4	F5	
48	2	A	
49	3	A	E.
50	2	A	E.
51	1	F	
52	8	F0	
53	5	K0	
54	10 +	K0	

28	+21°	3464	18	24.8	+21	23.3	8.8	∧ J
29	+21°	3465	18	24.8	+21	33.2	8.0	∧ J
30	+20°	3821	18	24.5	+20	43.5	6.5	∧ J
31	+20°	3814	18	23.7	+20	57.4	8.5	∧ J
32	+21°	3457	18	23.8	+21	35.9	8.0	∧ J*
33	+21°	3459	18	24.1	+21	46.0	7.8	∧ J
34	+21°	3456	18	23.7	+21	55.3	8.0	∧ J
35	+21°	3451	18	23.1	+21	43.1	8.9	∧ J
36	+21°	3450	18	22.8	+21	50.5	9.0	∧ J
37	+21°	3439	18	21.5	+21	22.3	8.3	∧ J
38	+21°	3438	18	21.5	+21	43.0	8.7	∧ J
39	+21°	3433	18	20.4	+21	42.3	8.7	∧ J
40	+21°	3431	18	20.3	+21	48.8	9.0	∧ J
41	+21°	3429	18	20.0	+21	48.6	9.2	∧ J
42	+21°	3427	18	19.8	+21	31.3	8.5	∧ J
43	+21°	3425	18	19.3	+21	57.0	8.1	∧ J
44	+21°	3419	18	18.7	+21	7.3	7.7	∧ J
45	+20°	3787	18	20.1	+20	23.8	8.0	∧ J
46	+20°	3789	18	20.8	+20	6.4	8.5	∧ J
47	+19°	3651	18	21.4	+19	12.4	7.7	∧ J
48	+18°	3686	18	20.1	+18	54.5	8.6	∧ J
49	+18°	3684	18	19.9	+18	47.2	7.8	∧ J
50	+19°	3626	18	18.3	+19	31.0	8.7	∧ J
51	+20°	3770	18	18.3	+20	23.1	9.3	∧ J
52	+20°	3769	18	17.9	+20	22.1	6.7	∧ J
53	+20°	3760	18	16.8	+20	53.5	7.3	∧ J
54	+21°	3411	18	17.5	+21	42.1	4.5	∧ J

Cards made out.

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No.	Int.	Class	Remark
55	5	F5	
56	8	B8	
57	1	G5	Partly superposed on 56.
58	6	Bq	
59*	3	A0	
60	3	A2	E.
61	4	Bq	E.
62	3	Bq	
63	3	A	
64	3	A0	
65	2	A0	
66	6	Bq	
67	10	K5	Turned out
68	2	A	Defective at line 1.
69	8	Bq	
70	2	A0	
71	2	A2	
72	4	A0	
73	3	A0	
74	5	K5	
75	2	F5	
76	3	K0	
77	2	A2	
78	2	K5	
79	2	G5	
80	8	Bq	
81	2	K0	

58	+21°	3402	18	15.8	+21	12.0	8.2
56	+21°	3400	18	15.7	+21	26.3	7.5
57	+21°	3399	18	15.6	+21	17.7	8.8
58	+20°	3745	18	14.9	+20	52.2	7.5
59	+19°	3605	18	14.8	+19	50.9	8.2
60	+19°	3615	18	16.6	+19	4.8	8.1
61	+19°	3594	18	13.5	+19	7.2	7.8
62	+19°	3585	18	12.3	+19	24.4	8.0
63	+19°	3586	18	12.4	+19	53.9	8.4
64	+20°	3741	18	14.3	+20	51.5	8.5
65	+21°	3392	18	14.5	+21	12.0	9.1
66	+21°	3388	18	14.1	+21	0.8	7.6
67	+21°	3390	18	14.2	+21	54.2	6.0
68	+21°	3394	18	14.8	+21	59.1	8.9
69	+22°	3337	18	14.6	+22	43.6	7.2
70	+22°	3334	18	13.6	+22	54.2	8.7
71	+23°	3305	18	14.0	+23	36.2	8.9
72	+23°	3303	18	13.2	+23	21.7	8.0
73	+23°	3302	18	12.6	+23	30.7	8.1
74	+23°	3299	18	12.1	+23	13.6	7.0
75	+22°	3328	18	11.4	+22	38.0	9.0
76	+21°	3378	18	11.8	+21	56.7	8.2
77	+21°	3377	18	11.8	+21	11.6	8.5
78	+20°	3723	18	11.4	+20	24.9	8.5
79	+20°	3719	18	10.4	+20	33.5	8.5
80	+20°	3715	18	10.0	+20	59.9	7.6
81	+20°	3712	18	9.2	+20	12.0	8.0

cards made out

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No.	Frt.	Class	Remark
82	4	F2	
83	2	A0	
84	1	F	
85	4	K0	
86	4	A	E.
87	3	A0	
88	6	B9	
89	5	F5	
90	2	F5	
91	10	A2	
92	5	A	E.
93	6	F	E.
94	2	K	E.
95	3	K0	
96	5	G0	
97	5	F0	
98	7	K0	
99	10	Ma	
100	8	A3	
101	3	K0	
102	6	F0	E.
103	2	K0	
104	3	F0	
105	1	A	
106	9	B9	
107	2	A2	
108	4	A2	

82	+19°	3568	18	9.1	+19	44.8	7.8	∧ ∨
83	+19°	3564	18	8.1	+19	50.3	8.1	∧ ∨
84	+19°	3562	18	7.8	+19	55.5	8.8	∧ ∨
85	+20°	3705	18	7.8	+20	14.0	7.4	∧ ∨
86	+19°	3552	18	5.9	+19	3.5	8.2	∧ ∨
87	+19°	3544	18	4.8	+19	53.3	8.3	∧ ∨
88	+21°	3328	18	4.4	+21	0.4	8.5	∧ ∨
89	+21°	3325	18	3.6	+21	19.5	8.0	∧ ∨
90	+21°	3323	18	3.3	+21	7.5	8.7	∧ ∨
91	+20°	3675	18	2.6	+20	2.4	5.5	∧ ∨
92	+19°	3533	18	1.2	+19	38.6	7.7	∧ ∨
93	+20°	3659	17	59.6	+20	45.7	8.0	∧ ∨
94	+21°	3307	18	0.6	+21	0.0	8.5	∧ ∨
95	+21°	3308	18	0.9	+21	45.8	8.0	∧ ∨
96	+21°	3302	17	59.7	+21	26.3	7.5	∧ ∨
97	+21°	3301	17	59.6	+21	25.6	7.7	∧ ∨
98	+21°	3300	17	59.4	+21	38.4	7.5	∧ ∨
99	+22°	3273	17	59.9	+22	12.3	5.2	∧ ∨
100	+23°	3265	18	1.0	+23	23.4	7.5	∧ ∨
101	+23°	3260	17	59.9	+23	8.3	8.7	∧ ∨
102	+22°	3267	17	59.0	+22	54.5	7.3	∧
103	+22°	3434	18	32.2	+22	24.8	8.4	∧ ∨
104	+22°	3432	18	31.9	+22	15.2	8.5	∧ ∨
105	+22°	3425	18	31.2	+22	16.1	9.3	∧ ∨
106	+21°	3494	18	30.5	+21	59.1	6.9	∧ ∨
107	+21°	3488	18	29.2	+21	36.6	8.7	∧ ∨
108	+22°	3416	18	29.1	+22	11.4	8.5	∧ ∨

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No.	Int.	Class	Remark
109	8	A2	
110	10	K0	
111	2	K0	
112	2	G	
113	3	F0	
114	8	K5	
115	4	G5	
116	2	G5	
117	5	G5	
118	2	A0	
119	3	F0	
120	10	B5	
121	2	K0	
122	3	A0	
123	2	A	
124	2	K0	
125	1	A	
126	2	F5	
127	3	A0	
128	8	B3	Good Typical star.
129	2	F8	
130	2	G	
131	2	K	
132	4	K0	
133	1	G	
134	2	A0	
135	7	K5	

109	+22°	3418	18	39.8	+22	38.3	7.5	∧∨
110	+23°	3385	18	29.5	+23	29.3	6.0	∧∨
111	+23°	3384	18	29.4	+23	46.1	8.2	∧∨
112	+23°	3382	18	28.7	+23	22.0	9.0	∧∨
113	+23°	3366	18	27.1	+23	36.3	9.0	∧∨
114	+23°	3363	18	26.7	+23	30.6	6.0	∧∨
115	+23°	3362	18	26.5	+23	1.8	8.0	∧∨
116	+22°	3402	18	26.2	+22	35.4	8.2	∧∨
117	+22°	3394	18	25.4	+22	52.9	8.2	∧∨
118	+22°	3390	18	24.9	+22	42.0	8.9	∧∨
119	+23°	3354	18	25.0	+23	44.9	8.6	∧∨
120	+23°	3347	18	23.6	+23	46.4	6.0	∧∨
121	+23°	3350	18	24.5	+23	9.1	8.7	∧∨
122	+22°	3385	18	23.8	+22	40.3	8.8	∧∨
123	+23°	3348	18	23.8	+23	6.5	9.1	∧∨
124	+22°	3383	18	22.9	+22	59.9	8.7	∧∨
125	Catalogue 1855.00.		18	22.1	+22	48		∨
126	+22°	3373	18	21.9	+22	33.1	9.0	∧∨
127	+22°	3368	18	21.3	+22	35.7	8.7	∧∨
128	+22°	3358	18	19.4	+22	37.7	7.5	∧∨
129	+23°	3333	18	20.0	+23	11.1	8.9	∧∨
130	+23°	3331	18	19.9	+23	7.3	9.1	∧∨
131	+23°	3329	18	19.1	+23	2.3	8.8	∧∨
132	+23°	3327	18	17.8	+23	36.3	7.7	∧∨
133	+23°	3325	18	17.4	+23	22.4	9.0	∧∨
134	+23°	3319	18	16.5	+23	24.9	9.0	∧∨
135	+23°	3316	18	16.1	+23	13.2	6.5	∧∨

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No.	Int.	Class	Remark
136	2	K0	
137	2	ky	
138	2	K8	
139	2	K0	
140	3	A	
141	9	K5	
142	4	K2	
143	4	K0	
144	3	A5	
145	4	A0	
146	3	G5	
147	2	G	
148	2	K3	
149	2	K0	
150	7	K0	
151	2	K0	
152	5	Ma	
153	5	A0	
154	4	A0	
155	3	G0	
156	2	G5	
157	1	K	
158	4	A2	
12.06 159	2	K0	
12.11 160	2	K0	another star superposed ?
161	2	A3	
162	3	K0	

136	+22°	3342	18	16.4	+22	52.2	8.5	∧ ∫
137	+23°	3312	18	16.1	+23	47.5	8.8	∫
138	+23°	3316	18	15.7	+23	52.6	9.1	∫
139	+24°	3394	18	15.4	+24	14.4	9.0	∧ ∫
140	+24°	3387	18	14.5	+24	13.4	9.0	∧ ∫
141	+24°	3381	18	13.2	+24	24.0	5.5	∧ ∫
142	+24°	3377	18	12.5	+24	23.3	8.0	∧ ∫
143	+23°	3289	18	10.5	+23	21.0	7.5	∧ ∫
144	+22°	3325	18	10.4	+22	46.2	8.8	∧ ∫
145	+22°	3321	18	9.7	+22	38.0	8.0	∧ ∫
146	+22°	3319	18	9.5	+22	0.3	8.0	∧ ∫
147	+21°	3371	18	11.0	+21	51.5	8.6	∧ ∫
148	+22°	3316	18	8.7	+22	17.5	8.6	∧ ∫
149	+21°	3361	18	8.9	+21	50.4	8.3	∧ ∫
150	+21°	3347	18	7.1	+21	50.8	7.0	∧ ∫
151	+22°	3305	18	6.9	+22	39.8	9.0	∧ ∫
152	+22°	3303	18	6.8	+22	47.7	7.5	∧ ∫
153	+22°	3300	18	5.6	+22	34.3	8.7	∧ ∫
154	+22°	3295	18	4.7	+22	52.4	8.3	∧ ∫
155	+22°	3290	18	3.5	+22	57.9	8.4	∧ ∫
156	+21°	3319	18	2.8	+21	57.3	8.5	∧ ∫
157	+22°	3283	18	1.9	+22	17.0	9.0	∧ ∫
158	+22°	3282	18	1.8	+22	23.2	8.0	∧ ∫
159	+22°	3280	18	0.9	+22	24.6	8.3	∧ ∫
160	+23°	3287	18	9.8	+23	56.3	8.7	∧ ∫
161	+23°	3283	18	8.6	+23	32.4	9.0	∧ ∫
162	+24°	3368	18	8.5	+24	5.7	8.2	∧ ∫

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I 37 806

No.	Int.	Class	Remark
163	5	Fk	
164	7	K0	
165	1	gK5	
166	3	K0	
167	3	K0	
168	6	G0	
169	2	F5	
170	2	Fk	
171	2	Fk	
172	4	K0	
173	7	K0	
174	5	A0	
175	4	Fk	
176	2	G5	E.
177	5	F5	E.
178	7	F0	
179	7	Fk	
180	5	B9	
181	5	A5	
182	3	G0	
183	5	F0	
184	2	F	
185	6	F0	
186	2	gG	
187	7	gK5	
188	7	A3	
189	25	A2	

163	+24°	3361	18	6.8	+24	22.0	8.2	∧J
164	+24°	3358	18	6.6	+24	25.7	7.5	∧J
165	+23°	3282	18	6.6	+23	27.4	8.8	∧J
166	+24°	3351	18	3.9	+24	8.7	8.5	∧J
167	+24°	3346	18	3.3	+24	7.9	8.5	∧J
168	+24°	3340	18	3.0	+24	8.4	7.6	∧J
169	+23°	3272	18	3.0	+23	33.1	9.3	∧J
170	+23°	3268	18	2.0	+23	51.0	8.8	∧J
171	+24°	3335	18	1.6	+24	22.7	9.0	∧J
172	+24°	3329	18	0.8	+24	18.6	7.7	∧J
173	+24°	3327	18	0.3	+24	24.8	7.0	∧J
174	+23°	3262	18	0.1	+23	59.4	8.4	∧J
175	+23°	3257	17	59.3	+23	43.0	8.7	∧J
176	+24°	3482	18	32.8	+24	10.4	8.5	∧J
177	+24°	3480	18	32.7	+24	30.9	8.0	∧J
178	+25°	3590	18	32.5	+25	8.4	7.4	∧J
179	+24°	3469	18	31.2	+24	18.9	7.5	∧J
180	+25°	3578	18	29.9	+25	14.6	8.1	∧J
181	+25°	3581	18	30.1	+25	35.3	8.4	∧J
182	+24°	3458	18	29.3	+24	32.0	8.5	∧J
183	+24°	3449	18	26.8	+24	3.2	8.0	∧J
184	+23°	3361	18	26.2	+23	58.5	9.0	∧J
185	+24°	3450	18	26.8	+24	34.5	7.7	∧J
186	+24°	3452	18	27.0	+24	44.7	9.1	∧J
187	+25°	3564	18	26.7	+25	23.3	7.5	∧J
188	+24°	3446	18	26.1	+24	57.3	8.0	∧J
189	+24°	3443	18	25.2	+24	29.2	9.0	∧d

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	No.	Int.	Class	Remark
	190	2	F5	
	191	2	F?	Image defective. Double up. Two Spectra.
	192	1	K	
	193	3	F0	
	194	3	Ma	
	195	4	G5	
	196	2	F8	
	197	6	A2	
	198	2	A2	
	199	3	Bg	
	200	8	Bg	
	201	2	K2	
	202	2	F5	
	203	2	K0	
	204	1	K	
	205	2	K0	
	206	2	A0	
12.22	207	7	B3	
12.24	208	3	A0	
	209	2	K	
	210	2	K0	
	211	3	K0	
	212	2	G5	
	213	3	K0	
	214	2	G0	
	215	7	K0	
	216	4	G0	Focus poor.

190	+24°	3442	18	24.6	+24	17.1	8.9	∧ J	
191	+24°	3441	18	34.5	+24	34.4	9.1	∧ J	Two spectra superposed
192	+24°	3437	18	23.8	+24	33.0	9.0	∧ J	
193	+24°	3444	18	35.6	+24	57.3	8.8	∧ J	
194	+25°	3551	18	25.2	+25	3.5	8.2	∧ J	
195	+25°	3543	18	24.1	+25	40.0	8.2	∧ J	
196	+25°	3540	18	23.7	+25	40.3	8.7	∧ J	
197	+25°	3541	18	23.7	+25	57.8	7.9	∧ J	
198	+25°	3538	18	23.3	+25	50.9	8.9	∧ J	
199	+25°	3535	18	21.9	+25	30.3	8.5	∧ J	
200	+24°	3425	18	21.8	+24	35.5	6.8	∧ V	
201	+23°	3342	18	21.9	+23	45.6	8.5	∧ V	
202	+23°	3341	18	21.9	+23	55.1	8.9	∧ J	
203	+24°	3416	18	20.6	+24	18.4	8.5	∧ J	
204	+24°	3407	18	17.7	+24	8.1	8.9	∧ J	
205	+24°	3406	18	17.5	+24	20.9	8.7	∧ J	
206	+24°	3404	18	17.3	+24	46.8	8.8	∧ V	
207	+24°	3395	18	15.5	+24	59.5	7.5	∧ J	
208	+25°	3493	18	14.2	+25	28.2	8.2	∧ J	
209	+26°	3481	18	12.4	+25	15.9	8.5	∧ V	
210	+25°	3475	18	9.9	+25	44.7	8.2	∧ J	
211	+25°	3464	18	7.8	+25	33.0	8.3	∧ V	
212	+25°	3463	18	7.2	+25	15.2	8.0	∧ J	
213	+25°	3461	18	7.0	+25	36.8	8.0	∧ J	
214	+25°	3455	18	5.9	+25	26.8	8.5	∧ V	
215	+25°	3453	18	5.6	+25	31.7	7.2	∧ J	
216	+25°	3452	18	5.5	+25	17.2	8.3	∧ J	

Cards made out

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Saturday, June 15, 1912.
I 37806

No.	Int.	Class	Remark
217	2	$fg5$	
218	8	Ma	
219	9	A0	
220	4	F0	
221	5	A2	
222	10+	A0	
223	5	K0	
224	8	A	E.
225	2	A	
226	4	F	E.
227	3	K	E.
228	3	A	E.
229	1	K	
230	4	$fg5$	
231	2	$fg5$	
232	3	A0	
233	2	A0	
234	2	A	
235	2	A	
236	2	A0	
237	2	$fg5$	Confirm. Another star near posed.
238	9	B3	
239	8	B3	
240	8	B3	
241	2	K0	
242	4	K0	
243	3	K0	

217	+24°	3355	18	5.4	+24	56.9	8.2	∧ J
218	+24°	3352	18	4.3	+24	47.3	8.5	∧ J
219	+24°	3342	18	3.0	+24	56.2	7.4	∧ J
220	+24°	3341	18	3.0	+24	33.1	7.6	∧ J
221	+25°	3438	18	2.2	+25	10.2	8.0	∧ J
222	+25°	3178	18	2.0	+25	4.9	5.9	∧ J
223	+26°	3175	18	1.7	+26	23.8	7.4	∧ J
224	+26°	3324	18	34.5	+26	0.1	6.9	∧ J
225	+25°	3594	18	33.7	+25	45.0	8.5	∧ J
226	+26°	3319	18	33.7	+26	27.8	7.7	∧ J
227	+27°	3053	18	30.0	+27	5.8	8.0	∧ J
228	+26°	3298	18	29.1	+26	53.9	8.9	∧ J
229	+26°	3282	18	24.6	+26	41.2	8.8	∧ J
230	+26°	3279	18	24.1	+26	38.6	8.3	∧ J
231	+26°	3277	18	23.7	+26	41.0	8.7	∧ J
232	+26°	3271	18	22.7	+26	17.9	8.6	∧ J
233	+26°	3269	18	22.4	+26	43.8	8.8	∧ J
234	+26°	3268	18	22.3	+26	35.9	9.1	∧ J
235	+26°	3265	18	21.6	+26	22.8	9.2	∧ J
236	+26°	3264	18	21.4	+26	20.1	9.0	∧ J
237	+25°	3528	18	21.1	+25	47.1	8.5	∧ J
238	+26°	3259	18	20.9	+26	21.7	6.1	∧ J
239	+26°	3257	18	20.6	+26	22.2	6.5	∧ J
240	+26°	3255	18	20.5	+26	9.0	7.1	∧ J
241	+25°	3520	18	19.6	+25	55.3	8.0	∧ J
242	+26°	3247	18	19.5	+26	0.3	7.7	∧ J
243	+26°	3238	18	18.4	+26	15.5	8.0	∧ J

Cards made out

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Saturday, June 15, 1912
I 37806

No.	Int.	Class	Remark
244	3	A0	
245	3	G	Difficult.
246	4	G0	
247	7	G5	
248	3	F0	
249	2	G	
250	4	G0	
251	4	F5	
252	5	F5	
253	5	K0	
254	3	A5	
255	7	G5	
256	2	A3	
257	5	A2	
258	3	K	
259	7	B8	E.
260	7	B9	E.
261	3	B8	E.
262	5	B9	
263	2	G5	
264	6	B9	
265	6	F5	
266	4	B9	
267	9	A0	
268	3	A0	
269	3	B9	
270	2	K	

244	+25°	3509	18	17.5	+25	55.5	8.5	∧ ∫
245	+26°	3230	18	16.9	+26	9.1	8.7	∧ ∫
246	+26°	3222	18	15.5	+26	38.3	8.3	∧ ∫
247	+27°	3003	18	15.1	+27	28.4	7.0	∧ ∫
248	+27°	3000	18	13.8	+27	26.7	8.2	∧ ∫
249	+26°	3209	18	11.1	+26	43.2	8.5	∧ ∫
250	+27°	2991	18	11.0	+27	3.0	8.2	∧ ∫
251	+27°	2988	18	9.9	+27	8.2	8.0	∧ ∫
252	+26°	3199	18	8.1	+26	43.1	8.1	∧ ∫
253	+26°	3195	18	7.6	+26	12.4	7.0	∧ ∫
254	+26°	3192	18	7.4	+26	27.7	8.8	∧ ∫
255	+26°	3187	18	5.3	+26	38.3	7.7	∧ ∫
256	+26°	3184	18	3.7	+26	56.0	9.1	∧ ∫
257	+26°	3181	18	3.0	+26	57.0	8.0	∧ ∫
258	+27°	2960	18	2.1	+27	22.7	8.4	∧ ∫
259	+28°	3021	18	28.4	+28	10.3	7.3	∧ ∫
260	+28°	3013	18	25.4	+28	24.4	7.5	∧ ∫
261	+28°	3002	18	21.6	+28	50.7	8.6	∧ ∫
262	+28°	3000	18	20.6	+28	6.2	8.2	∧ ∫
263	+27°	3029	18	21.7	+27	24.6	9.0	∧ ∫
264	+27°	3023	18	20.7	+27	15.3	8.5	∧ ∫
265	+27°	3019	18	19.9	+27	37.4	8.2	∧ ∫
266	+28°	2996	18	19.6	+28	0.3	8.0	∧ ∫
267	+27°	3016	18	19.2	+27	19.4	6.5	∧ ∫
268	+26°	3250	18	19.9	+26	23.9	8.7	∧ ∫
269	+27°	3020	18	20.0	+27	0.6	9.0	∧ ∫
270	+26°	3253	18	20.4	+26	45.8	8.7	∧ ∫

cards made out.

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Saturday, June 15, 1912.

I 37506

Nr.	Int.	Class	Remark
271	2	I_{p5}	
272	7	A_3	
273	3	A_0	
274	2	K_5	
275	6	K_0	
276	4	G	Nebula ? or cluster.
Time: 12.40277	7	A_2	

278	7	F_0	
279	3	F_5	
280	1	K_2	
281	2	F_0	E
282	2	A_5	
283	1	K_5	

271	+26°	3246	18	19.4	+26	3&7	9.0	1 J
272	+27°	3010	18	17.7	+27	26.3	8.5	1 J
273	+28°	2982	18	15.5	+28	16.8	8.5	1 J
274	+28°	2971	18	10.6	+28	7.7	8.1	1 J
275	+28°	2960	18	8.5	+28	11.0	6.8	1 J
276	+28°	2958	18	7.3	+28	13.1 12.4	8.2 8.2	1 J
277	+27°	2977	18	6.4	+27	37.1	8.2	1 J

Identified by Ames June 29, 1912

Checked August 20, 1912. S.I.W.

cards made out by M.C.W.

	278	+23	3254					7.1 sr on 37887
	279	~~18~~ +19	3626	18	12.2	+18	20	8.0
	280	+19	3568	~~18~~ 18	~~8.6~~ 8.4	~~+18~~ +19	~~26~~ 1	7.8
	281	+18	3604	18	8.6	+18	26	7.8
	282	+18	3610	18	9.9	+18	52	8.0
	283	+18	3693	18	21.7	+18	35	7.7

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Monday, June 17, 1912

I 37805

Time: 11.14

Nr.	Int.	Class	Remark
1	9	A3	E.
2	2	F5	E.
3	6	A0	
4	6	F5	
5	10+	A0	
6	10+	A2	
7	7	K0	
8	8	B9	
9	3	F5	
10	1	G	
11	2	G0	
12	7	K0	
13	10+	A	Burned out.
14	4	F0	
15	7	K2	
16	4	F5	
17	4	K2	E.
18	5	B9	E.
19	3	K	E.
20	4	K0	E.
21	4	A2	
22	6	F2	
23	9	A3	
24	2	K0	
25	3	F5	
26	5	F5	
27	8	K2	E.

1	+23°	3100	17	18.1	+23	6.3	5.8	J
2	+23°	3092	17	16.0	+23	18.0	8.3	J
3	+23°	3091	17	15.8	+23	50.0	7.7	J
4	+25°	3252	17	16.5	+25	1.6	7.7	J
5	+24°	3167	17	14.9	+24	37.7	6.0	J
6	+25°	3246	17	14.3	+25	40.5	6.0	J
7	+25°	3239	17	12.6	+25	57.4	7.2	J
8	+26°	2994	17	11.3	+26	3.7	7.5	J
9	+25°	3232	17	11.4	+25	33.1	8.5	J
10	+25°	3231	17	11.4	+25	11.4	8.9	J
11	+25°	3228	17	10.1	+25	44.8	9.0	J
12	+26°	2980	17	8.7	+26	13.8	6.8	J
13	+25°	3221	17	9.1	+25	1.0	3.0	J
14	+24°	3154	17	8.8	+24	14.7	8.0	J
15	+23°	3070	17	9.7	+23	54.8	7.0	J
16	+23°	3078	17	12.3	+23	35.2	8.0	J
17	+23°	3074	17	11.5	+23	15.5	6.5	J
18	+21°	3100	17	14.6	+21	41.9	7.2	J
19	+21°	3089	17	12.5	+21	55.9	8.1	J
20	+21°	3070	17	7.5	+21	37.4	6.5	J
21	+22°	3103	17	7.4	+22	55.5	7.3	J
22	+24°	3141	17	5.3	+24	27.0	7.2	J
23	+24°	3140	17	5.0	+24	26.0	6.2	J
24	+24°	3137	17	4.7	+24	41.8	8.2	J
25	+23°	3058	17	3.6	+23	45.3	7.9	J
26	+22°	3086	17	3.3	+22	16.8	7.3	J
27	+22°	3073	17	0.2	+22	17.4	6.0	J

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Thursday, June 17, 1915.
I 37805

Nr.	Int.	Class	Remark
28	3	K0	
29	2	Ma	
30	8	A0	
31	2	A2	
32	3	K5	
33	2	Ip	
34	2	Bp5	
35	3	Ep5	
36	5	K0	
37	5	F2	
38	5	F0	
39	4	F5	
40	3	K0	
41	1	K	
42	4	F0	
43	8	F5	
44	4	Mb	
45	9	K0	
46	2	Ip	
47	3	Ip0	
48	4	Ip5	
49	3	K	
50	2	Ip	
51	5	A5	
52	8	A5	
53	3	K0	
54	1	K	

28	+23°	3050	17	0.0	+23	31.4	7.7	J
29	+24°	3121	17	0.6	+24	9.5	8.0	J
30	+24°	3127	17	2.6	+24	40.8	6.5	J
31	+24°	3124	17	1.8	+24	47.0	8.0	J
32	+25°	3215	17	7.2	+25	10.1	7.8	J
33	+25°	3212	17	6.2	+25	26.0	8.4	J
34	+26°	2976	17	8.1	+26	20.7	8.6	J
35	+26°	2977	17	8.2	+26	59.2	8.8	J
36	+26°	2963	17	4.1	+26	38.0	7.2	J
37	+27°	2764	17	2.2	+27	17.1	7.7	J
38	+27°	2763	17	2.0	+27	19.7	8.2	J
39	+26°	2946	16	59.7	+26	40.0	8.0	J
40	+25°	3197	16	59.8	+25	42.4	8.2	J
41	+27°	2752	16	59.3	+27	3.6	8.1	J
42	+27°	2748	16	58.7	+27	15.0	8.3	J
43	+27°	2738	16	55.3	+27	24.8	6.5	J
44	+27°	2733	16	54.1	+27	32.9	7.2	J
45	+26°	3034	17	24.9	+26	13.8	5.0	J
46	+26°	3028	17	23.1	+26	19.5	8.5	J
47	+26°	3027	17	22.9	+26	51.2	8.1	J
48	+26°	3022	17	21.8	+26	54.8	7.9	J
49	+27°	2819	17	22.3	+27	47.0	8.3	J
50	+27°	2817	17	21.8	+27	8.1	8.4	J
51	+27°	2813	17	20.8	+27	21.5	7.7	J
52	+27°	2809	17	20.2	+27	0.2	6.5	J
53	+27°	2808	17	20.0	+27	26.3	7.6	J
54	+27°	2805	17	19.6	+27	46.0	8.5	J

cards made out

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Monday, June 17, 1912.
I 37805

No.	Int.	Class	Remark
55	2	Fo	
56	3	F5	
57	2	Go	
58	2	Ao	
59	2	F5	
60	3	Ko	
61	2	F5	
62	31	G5	
63	5	Ma	
64	4	Ko	
65	7	F5	
66	8	Ko	
67	8	Ao	
68	2	Ko	
69	10	G5	
70	6	Fo	
71	4	A2	
72	4	Ma	
73	2	K	
74	3	Ao	
75	2	G	
76	2	F5	
77	1	F5	
78	2	G	
79	1	G5	The northern of Two.
80	2	A	
81	1	F5	

55	+26°	3016	17	19.4	+26	39.2	8.5	J
56	+25°	3254	17	17.2	+25	54.1	8.3	J
57	+26°	3009	17	16.3	+26	13.3	8.6	J
58	+26°	3010	17	16.3	+26	40.3	8.5	J
59	+25°	3250	17	16.2	+25	34.2	8.9	J
60	+26°	3005	17	15.5	+26	6.7	8.2	J
61	+25°	3249	17	15.3	+25	52.1	8.6	J
62	+26°	3003	17	14.7	+26	41.7	8.7	J
63	+27°	2790	17	13.6	+27	26.3	7.1	J
64	+27°	2787	17	12.6	+27	5.5	8.0	J
65	+26°	2992	17	11.2	+26	52.3	8.0	J
66	+27°	2780	17	10.2	+27	18.7	6.8	J
67	+28°	2722	17	13.7	+28	10.4	7.1	J
68	+28°	2718	17	12.9	+28	23.3	8.2	J
69	+28°	2719	17	13.1	+28	58.0	5.8	J
70	+29°	2981	17	12.2	+29	4.0	7.6	J
71	+28°	2713	17	12.1	+28	53.4	8.0	J
72	+29°	2978	17	11.9	+29	4.7	7.0	J
73	+29°	2979	17	12.0	+29	22.6	8.0	J
74	+28°	2708	17	10.8	+28	34.5	8.4	J
75	+28°	2708	17	9.8	+28	48 89.2	9.5	J
76	+28°	2702	17	9.0	+28	8.3	8.4	J
77	+28°	2700	17	8.5	+28	9.8	8.9	J
78	+28°	2694	17	7.4	+28	7.0	8.1	J
79	+28°	2690	17	6.7	+28	9.7	9.0	J
80	+28°	2697	17	8.2	+28	58.8	8.7	J
81	+28°	2695	17	7.7	+28	54.9	9.0	J
						carde	made	out

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Monday, June 17, 1912
I 37805

No.	Int.	Class	Remark
82	2	K	
83	3	A2	
84	3	F5	
85	8	F2	
86	5	K0	
87	3	A2	
88	6	K0	
89	7	A2	
90	3	K2	C.
91	6	A2	
92	6	A0	
93	5	F0	
94	2	A	
95	5	F5	
96	7	F8	
97	2	F8	
98	2	A	E.
99	6	F8	
100	7	F8g	E.
101	3	K	E.

Time: 11.35

Poor plate for faint stars. Supplement if possible

Contr. in Book 88, 112.

82	+29°	2951	17	4.8	+29	21.8	8.2	✓
83	+29°	2952	17	5.7	+29	46.9	8.6	✓
84	+30°	2946	17	7.1	+30	5.5	8.3	✓
85	+28°	2677	17	2.6	+28	26.7	7.0	✓
86	+28°	2671	17	1.7	+28	19.7	8.0	✓
87	+28°	2665	16	59.7	+28	16.9	8.6	✓
88	+28°	2661	16	59.0	+28	18.2	7.8	✓
89	+29°	2935	17	0.0	+29	49.5	7.7	✓
90	+29°	2927	16	57.4	+29	41.8	7.7	✓
91	+29°	2924	16	56.8	+29	30.1	7.5	✓
92	+29°	2915	16	53.9	+29	46.2	7.7	✓
93	+29°	3012	17	20.6	+29	35.9	7.2	✓
94	+29°	3002	17	18.3	+29	1.8	9.0	✓
95	+27°	2797	17	17.1	+27	59.7	7.8	✓
96	+28°	2728	17	15.4	+28	53.9	6.5	✓
97	+28°	2724	17	14.3	+28	37.0	8.5	✓
98	+30°	2976	17	16.9	+30	40.2	8.5	✓
99	+31°	3004	17	15.8	+31	23.8	7.5	✓
100	+31°	2993	17	12.0	+31	40.4	7.5	✓
101	+30°	2956	17	9.6	+30	28.2	8.0	✓

Identified by ame June 29, 1912
Checked by J.B.W. Aug. 27, 1912
cards made out by M.C.W.

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Monday, June 17, 1912

Time: 11.54

I 37575

No.	Int.	Class	Remarks
1	4	g_5	E.
2	7	g_5	E.
3	2	K_0	
4	4	K_0	
5	2	K	
6	4	g_0	
7	8	g_5	Line 4077 ? very strong.
8	3	K_0	
9	3	g_5	
10	3	F_8	
11	10+	F_5	
12	2	g	
13	3	A_5	E.
14	3	K_0	
15	2	g	
16	4	g_0	
17	2	g	Partly superposed on 18.
18	2	g	
19	9	A_2	
20	3	K_2	
21	7	K_2	
22	10	K_5	
23	3	F_2	E.
24	3	F_8	E.
25	3	F_8	E.
26	3	g_0	
27	7	F_5	

1	+28°	2213	13	13.1	+28	51.6	7.9	∧ ∨
2	+29°	2391	13	12.2	+29	20.7	7.5	∧ ∨
3	+29°	2386	13	10.1	+29	49.3	8.2	∧ ∨
4	+29°	2385	13	8.8	+29	30.8	7.5	∧ ∨
5	+30°	2386	13	8.3	+30	31.2	9.2	∧ ∨
6	+30°	2384	13	7.8	+30	9.4	8.5	∧ ∨
7	+30°	2383	13	6.9	+30	34.5	7.7	∧ ∨
8	+30°	2378	13	5.4	+30	45.5	8.2	∧ ∨
9	+30°	2372	13	3.4	+30	13.1	8.3	∧ ∨
10	+29°	2379	13	4.6	+29	38.3	8.5	∧ ∨
11	+28°	2193	13	5.1	+28	37.0	5.0	∧ ∨
12	+29°	2382	13	6.5	+29	5.4	9.1	∧ ∨
13	+29°	2378	13	4.0	+29	7.9	8.4	∧ ∨
14	+29°	2374	13	3.1	+29	35.5	8.5	∧ ∨
15	+29°	2373	13	2.3	+29	27.3	8.5	∧ ∨
16	+30°	2371	13	1.7	+30	9.4	8.1	∧ ∨
17	+30°	2368	13	0.8	+30	13.5	9.0	∧ ∨
18	+30°	2367	13	0.7	+30	12.5	9.0	∧ ∨
19	+29°	2365	12	59.3	+29	49.3	6.8	∧ ∨
20	+29°	2369	13	0.2	+29	29.3	8.3	∧ ∨
21	+28°	2187	13	1.0	+28	19.3	6.8	∧ ∨
22	+28°	2185	13	0.3	+28	24.8	5.1	∧ ∨
23	+28°	2184	12	59.9	+28	59.5	8.4	∧ ∨
24	+28°	2179	12	57.3	+28	53.4	8.6	∧ ∨
25	+29°	2360	12	56.7	+29	13.8	8.5	∧ ∨
26	+29°	8357	12	55.1	+29	46.6	8.0	∧ ∨
27	+28°	2171	12	52.6	+28	52.2	7.3	∧ ∨

Cinch

+30° 2382 13 6.8 +30. 32.1 wash 8.6 surface

mode

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Sunday, June 17, 1912.
I 37575

No.	Int.	Class	Remark
28	4	F	Too much superposed on 27.
29	8	A5	
30	4	K5	E.
31	4	K5	E.
32	3	F5	E.
33	5	F0	
34	10	K	
35	10	A0	
36	6	F0	
37	4	K0	
38	5	F8	
39	4	F8	E.
40	4	K0	E.
41	7	K0	
42	3	K0	
43	4	F0	
44	2	K5	
45	3	K5	
46	2	K0	
47	3	B9	
48	2	K	
49	4	A5	
50	7	K0	
51	1	K5	
52	7	F8	
53	2	K1	
54	2	K5	

28	+29°	2350	12	52.6	+29	1.3	8.1	^ J
29	+29°	2348	12	51.6	+29	6.7	7.0	^ J
30	+28°	2170	12	51.7	+28	15.2	7.5	^ /
31	+28°	2167	12	48.1	+28	32.8	8.0	^ V
32	+29°	2340	12	48.0	+29	1.9	8.0	^ J
33	+29°	2334	12	46.2	+29	47.6	7.7	^ J
34	+28°	2156	12	44.7	+28	20.0	5.0	^ J
35	+28°	2153	12	42.3	+28	20.4	6.2	^ J
36	+30°	2329	12	40.8	+30	19.9	6.8	^ J
37	+31°	2409	12	41.2	+31	11.3	6.8	^ J
38	+31°	2410	12	41.4	+31	33.3	7.0	^ /
39	+30°	2322	12	38.4	+30	59.6	8.2	^ /
40	+30°	2321	12	38.4	+30	34.2	7.5	^ /
41	+31°	2477	13	15.5	+31	3.2	6.7	^ /
42	+31°	2474	13	14.9	+31	16.8	8.6	^ /
43	+31°	2468	13	10.5	+31	23.0	7.5	^ /
44	+31°	2467	13	10.3	+31	51.2	8.9	^ J
45	+31°	2466	13	9.4	+31	40.3	8.1	^ /
46	+32°	2335	13	9.7	+32	17.8	8.7	^ /
47	+31°	2464	13	7.4	+31	50.3	8.5	^ J
48	+32°	2332	13	7.3	+32	42.1	9.1	^ J
49	+32°	2331	13	6.6	+32	25.9	8.6	^ /
50	+33°	2311	13	7.0	+33	18.1	7.0	^ V
51	+32°	2330	13	6.6	+32	59.8	8.9	^ V
52	+32°	2327	13	5.2	+32	52.6	6.7	^ /
53	+33°	2307	13	4.7	+33	4.1	8.6	^ /
54	+31°	2462	13	4.4	+31	37.5	8.8	^ /

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Monday, June 17, 1912

I 37 375

No.	Int.	Class	Remarks
55	2	fg	
56	3	f8	
57	4	f5	
58	2	fg5	
59	1	fg5	
60	4	f5	
61	6	fg5	
62	2	fg0	
63	6	f0	
64	2	fg5	
65	10	K5	
66	2	fg0	
67	1	fg	
68	3	f5	
69	5	f8	
70	1	fg	
71	2	A5	
72	3	Comp?	Knot seen. Look up.
73	3	fg5	
74	7	fg5	
75	3	fg5	
76	4	fg5	
77	2	fg5	
78	3	fg5	
79	10	A2	
80	2	fg5	
81	1	fg5	

55	+32°	2324	13	3.0	+32	8.4	9.0	∧∨
56	+31°	2458	13	2.6	+31	12.6	8.7	∧∨
57	+31°	2456	13	2.2	+31	1.1	7.9	∧∨
58	+30°	2360	12	57.3	+30	59.8	8.8	∧∨
59	+31°	2448	12	57.0	+31	14.1	9.0	∧∨
60	+31°	2446	12	56.9	+31	33.6	8.6	∧∨
61	+31°	2445	12	56.9	+31	48.4	7.5	∧∨
62	+31°	2443	12	56.7	+31	3.6	8.5	∧∨
63	+31°	2442	12	56.4	+31	8.0	8.0	∧∨
64	+31°	2436	12	53.9	+31	17.8	8.7	∧∨
65	+31°	2434	12	53.4	+31	38.8	5.2	∧∨
66	+30°	2351	12	52.5	+30	50.4	8.4	∧∨
67	+31°	2431	12	52.5	+31	13.1	8.9	∧∨
68	+31°	2428	12	51.3	+31	47.4	8.8	∧∨
69	+31°	2425	12	50.4	+31	9.8	8.1	∧∨
70	+30°	2346	12	49.9	+30	50.7	8.7	∧∨
71	+30°	2345	12	49.2	+30	24.8	8.4	∧∨
72	+32°	2301	12	49.7	+32	42.8	9.2	∧∨
73	+33°	2286	12	49.4	+33	19.6	8.3	∧∨
74	+32°	2296	12	48.8	+32	47.3	7.2	∧∨
75	+32°	2293	12	48.4	+32	51.4	8.6	∧∨
76	+33°	2284	12	48.3	+33	38.3	8.2	∧∨
77	+33°	2282	12	46.9	+33	16.6	8.3	∧∨
78	+33°	2280	12	46.2	+33	4.7	8.3	∧∨
79	+34°	2369	12	47.3	+34	19.5	6.5	∧∨
80	+34°	2367	12	46.5	+34	42.6	8.9	∧∨
81	+34°	2366	12	45.9	+34	31.3	9.0	∧∨

Can be made red

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Monday, June 17, 1912
I 37576

Nr.	Int.	Class	Remark
82	2	K0	
83	2	K0	
84	1	K	
85	1	K	
86	5	F0	
87	2	K0	
88	4	K5	
89	3	K0	
90	5	G5	
91	7	F8	
92	3	G0	E.
93	5	F0	E.
94	5	F2	E.
95	4	G0	Another star partly superposed.
96	6	F8	
97	3	G5	
98	8	K0	
99	10	F	E.
100	6	F0	
101	4	A2	
102	6	F5	
103	5	G0	
104	5	F5	
105	5	F2	
106	8	F5	
107	5	F0	
108	2	G0	

82	+34°	2365	12	45.6	+34	37.2	8.7	∧∨
83	+33°	2278	12	44.1	+33	31.0	8.5	∧∨
84	+33°	2276	12	43.6	+33	22.1	9.3	∧∪
85	+33°	2277	12	43.8	+33	52.3	9.2	∧∨
86	+32°	2281	12	44.0	+32	15.2	7.5	∧∨
87	+32°	2287	12	45.0	+32	33.5	8.8	∧∨
88	+33°	2269	12	40.1	+33	21.7	8.0	∧∪
89	+34°	2358	12	42.1	+34	34.6	7.9	∧∨
90	+34°	2350	12	38.7	+34	20.6	7.2	∧∨
91	+33°	2266	12	37.9	+33	53.2	7.8	∧∪
92	+33°	2326	13	13.2	+33	30.8	9.2	∧∨
93	+32°	2338	13	12.0	+32	55.4	8.0	∧∨
94	+32°	2337	13	11.4	+32	23.5	7.5	∧∪
95	+33°	2324	13	11.7	+33	32.3	8.5	∧∪
96	+33°	2320	13	10.5	+33	15.7	7.5	∧∨
97	+34°	2411	13	12.2	+34	12.4	8.3	∧∪
98	+34°	2410	13	11.8	+34	51.3	6.2	∧∪
99	+35°	2435	13	12.4	+35	53.5	6.7	∧∨
100	+34°	2408	13	8.9	+34	57.7	8.0	∧∪
101	+35°	2423	13	6.2	+35	2.8	8.4	∧∨
102	+35°	2421	13	6.0	+35	17.7	8.1	∧∨
103	+35°	2422	13	6.1	+35	39.5	8.7	∧∪
104	+35°	2420	13	5.5	+35	34.9	7.9	∧∨
105	+35°	2419	13	4.8	+35	14.9	8.5	∧∨
106	+35°	2414	13	4.0	+35	4.6	6.8	∧∨
107	+34°	2400	13	4.5	+34	14.2	7.7	∧∨
108	+34°	2398	13	3.1	+34	19.6	9.0	∧∨

Identified by Ames July 1, 1912

Cluster march

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Monday, June 17. 1912.
I 37575

Nr.	Int.	Class	Remark
109	2	A5	Con firm.
110	4	K0	
111	2	K0	
112	2	ly5	
113	6	ly0	
114	2	ly5	
115	2	ly5	
116	3	ly5	
117	7	ly5	
118	5	F8	
119	4	F8	
120	2	ly5	
121	4	F5	
122	4	Ma	
123	2	F	
124	5	ly5	Partly superposed on 125.
125	3	ly	
126	6	ly5	C.
127	5	ly5	C.
128	4	ly5	
129	8	A2	
130	6	Ma	
131	5	F8	
132	3	F8	
133	4	ly0	
134	7	K0	
Time; 12.18135	5	F5	

~~Ends, 1 39, F8~~

109	+33°	2304	13	1.0	+33	45.3	9.2	∧ ∨
110	+34°	2389	12	59.8	+34	48.5	8.1	∧ ∨
111	+32°	2318	12	58.2	+32	48.0	8.5	∧ ∨
112	+33°	2298	12	57.0	+33	42.9	8.8	∧ ∨
113	+33°	2296	12	55.7	+33	13.1	7.5	∧ ∨
114	+31°	2444	12	55.7	+31	52.5	9.0	∧ ∨
115	+32°	2313	12	54.5	+32	816	9 ∨	∧ ∨
116	+32°	2312	12	54.0	+32	2.3.14	9.1	∧ ∨
117	+32°	2311	12	53.5	+32	33.1	6.8	∧ ∨
118	+32°	2310	12	53.1	+32	52.8	7.5	∧ ∨
119	+33°	2293	12	53.1	+33	14.5	8.2	∧ ∨
120	+33°	2288	12	51.0	+33	8.4	9.2	∧ ∨
121	+34°	2377	12	52.6	+34	49.9	8.3	∧ ∨
122	+35°	2387	12	52.1	+35	20.3	8.0	∧ ∨
123	+35°	2389	12	52.6	+35	20.8	8.7	∧ ∨
124	+35°	2391	12	53.3	+35	41.5	7.5	∧ ∨
125	+35°	2392	12	53.4	+35	46.5	7.5	∧ ∨
126	+36°	2362	12	13.1	+36	52.1	6.9	∧ ∨
127	+37°	2396	12	13.1	+37	8.0	7.0	∧ ∨
128	+36°	2354	13	9.5	+36	39.1	8.0	∧
129	+36°	2352	13	8.4	+36	12.3	6.8	∧ ∨
130	+37°	2383	13	6.9	+37	39.0	6.5	∧ ∨
131	+36°	2344	13	3.9	+36	42.5	7.5	∧ ∨
132	+36°	2346	13	5.2	+36	2.5	8.8	∧ ∨
133	+35°	2418	13	4.6	+35	43.8	8.7	∧ ∨
134	+38°	2407	13	3.0	+38	12.7	6.0	∧ ∨
135	+38°	2396	12	55.6	+38	68	7.0	∧

Checked July 13 1912 LDW.

Carde Wrack ork

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Wednesday, July 3, 1912

B 12637 abt. 1st disp.

Time: 11.07

No.	Int	Class	Remarks
1	4	fγs	
2	2	fγs	
3	3	Fs	
4	7	Fo	
5	10	Fs	
6	2	fγs	
7	5	As	
8	10	Ao	
9	5	Fo	
10	7	Ko	
11	3	Ks	
12	3	fγs	
13	2	fγ	
14	2	Ko	
15	4	fγo	
16	4	fγs	
17	10+	γ	Burned out.
18	4	Ko	
19	7	As	
20	10+	A2	
21	2	Ks	
22	3	F	
23	5	F2	
24	2	K2	
25	7	Fo	
26	9	Ao	
27	4	F2	

1	-40°	956	3	26.2	-40	32.3	8.1 J
2	-40°	959	3	26.5	-40	56.4	8.6 J
3	-41°	1042	3	27.5	-41	1.4	8.7 J
4	-41°	1054	3	29.6	-41	45.7	7.7 ✓
5	-41°	1029	3	25.8	-41	47.8	6.4 J
6	-42°	1128	3	24.1	-42	2.4	9.1 ✓
7	-41°	1013	3	23.5	-41	56.2	8.0 ✓
8	-42°	1115	3	21.7	-42	4.6	6.5 J
9	-41°	998	3	21.2	-41	46.3	8.1 J
10	-41°	988	3	19.6	-41	40.3	7.5 J
11	-41°	981	3	18.4	-41	42.3	7.6 J
12	-41°	975	3	17.8	-41	45.4	8.2 J
13	-42°	1102	3	19.2	-42	12.3	8.9 ✓
14	-42°	1073	3	14.0	-42	43.9	8.1 J
15	-43°	1025	3	14.2	-43	5.8	8.2 ✓
16	-43°	1029	3	15.1	-43	1.6	7.5 J
17	-43°	1028	3	15.0	-43	33.1	4.4 J
18	-43°	1069	3	22.0	-43	16.3	7.5 J
19	-42°	1132	3	26.1	-42	54.0	7.2 ✓
20	-43°	1085	3	26.6	-43	3.8	6.1 J
21	-44°	1169	3	27.1	-44	15.4	8.2 ✓
22	-45°	1168	3	26.2	-45	9.6	9.0 J
23	-44°	1175	3	28.1	-44	50.0	8.1 J
24	-45°	1188	3	29.4	-45	0.3	8.3 ✓
25	-45°	1193	3	30.6	-46	3.6	8.0 J
26	-44°	1198	3	31.6	-44	7.9	6.8 J
27	-44°	1209	3	33.1	-44	53.1	8.2 J

Cards made out

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Wednesday, July 3, 1912.
B 12637 slant disp.

No	Int.	Class	Remarks
28	4	F2	
29	1	K	
30	5	F5	
31	4	K0	
32	4	Ma	
33	2	G5	
34	4	A3	
35	3	K0	
36	2	Ma	
37	2	K5	
38	3	K5	
39	2	Fpec. Maybe Class N.	
40	2	G	
41	3	G5	
Time: 11. 15 42	3	G	
43			
44			

43 2 K0

28	−42°	1185	3	33.1	−42	53.0	8.2 ✓
29	−43°	1122	3	34.3	−43	5.3	8.5 ✓
30	−43°	1126	3	35.0	−43	10.0	8.3 ✓
31	−43°	1129	3	35.4	−43	54.8	7.8 ✓
32	−43°	1135	3	36.1	−43	38.6	7.5 ✓
33	−43°	1138	3	36.6	−43	37.9	8.4 ✓
34	−43°	1145	3	37.6	−43	40.6	8.4 ✓
35	−44°	1239	3	37.6	−44	10.1	8.1 ✓
36	−43°	1157	3	40.0	−43	37.9	7.9 ✓
37	−42°	1236	3	41.3	−42	26.4	8.6 ✓
38	−44°	1276	3	42.8	−44	11.6	7.8 ✓
39	−43°	1198	3	45.9	−43	54.7	8.5 ✓
*		~~1238~~ 1237		~~45.3~~ 2		~~38.9~~ 99	
40	−44°		3		−44	43.6	8.9
41	−45°	1277	3	44.5	−45	33.3	8.7 ✓
42	−45°	1249	3	40.4	−45	10.0	9.1 ✓

Identified by AMC. Aug. 30, 1912

*40	−44°	1279	3	43.9	−44	35.3	9.0 W J

Checked by J.C.M. Oct. 2, 1912.
cards made out by M. C. W.
Cards checked by E. C. W.

✓ 43 −41° 1075 3 32.6 −41 18 8.3 4 m B40883

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Wednesday, July 3, 1912.
B 1264 7 short disp.

Nr.	Int.	Class	Remark.
1	2	Hf5	
2	5	Hf5	
3	8	Hf5	
4	4	Hf8	
5	2	Hf8	
6	2	Hf	
7	2	Hf5	
8	3	Hf	Partly superposed on 9.
9	4	Hf	
10	3	Ho	
11	2	Ho	
12	10	Ao	
13	1	Hf	
Time: 11.18 14	2	A	
15			

1	-45°	1185	3	28.8	-45	58.5	8.7	∧ /
2	-46°	1111	3	34.4	-46	39.0	7.9	∧ /
3	-46°	1143	3	38.2	-46	21.5	6.7	∧ /
4	-46°	1156	3	40.8	-46	19.1	7.9	∧ ∨
5	-46°	1171	3	42.9	-46	13.6	9.0	∧ /
6	-47°	1170	3	45.4	-47	7.6	8.7	∧ ∨
7	-47°	1078	3	27.0	-47	2.6	8.8	∧ ∨
8	-47°	1081	3	29.0	-47	8.7	8.5	∧ ∨
9	-47°	1082	3	29.1	-47	12.2	8.4	∧ ∨
10	-47°	1097	3	32.3	-47	36.9	7.9	∧ /
11	-47°	1105	3	33.4	-47	23.0	8.6	∧ ∨
12	-47°	1071	3	26.6	-47	48.0	6.1	∧ ∨
13	-47°	1064	3	25.8	-47	49.3	8.9	∧ ∨
14	-48°	969	3	23.6	-48	14.3	9.5	∧ ∨

Identified by AMC Sept. 3, 1912
Checked HDW Sept. 14 1912
cards made out by M. C. W.

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Wednesday, July 3, 1912

Time: 11.45

1320.46 about diff.

No.	Int.	Class	Remark
1	4	K5	
2	4	Ma	
3	5	K2	
4	4	F0	
5	5	F2	
6	4	Ma	
7	5	F2	
8	3	A	
9	4	K0	
10	3	A	
11	3	K0	
12	8	K0	
13	3	A	
14	2	A0	
15	10	A	Burned out.
16	1	A	
17	2	F?	
18	3	G0	
19	7	A0	
20	6	F5	
21	3	F5	
22	4	B	Look up. Maybe two stars.
23	10	K	
24	8	B9	
25	3	B9	
26	10+	A2	
27	5	A2	

1	-7°	1327	6	6.1	-7	25.0	8.5	∧ ∫
2	-7°	1325	6	5.8	-7	16.0	8.2	∧ ∫
3	-7°	1321	6	5.3	-7	17.8	8.2	∧ ∫
4	-7°	1322	6	5.4	-7	26.6	8.7	∧ ∫
5	-7°	1315	6	4.2	-7	40.4	7.8	∧ ∫
6	-7°	1318	6	4.4	-7	13.2	8.0	∧ ∫
7	-6°	1442	6	4.5	-6	56.3	8.0	∧ ∫
8	-6°	1441	6	4.2	-6	52.3	8.5	∧ ∫
9	-7°	1305	6	3.2	-7	4.9	8.5	∧ ∨
10	-7°	1306	6	3.2	-7	42.4	9.0	∧ ∫
11	-8°	1335	6	3.2	-8	31.0	8.5	∧ ∫
12	-8°	1332	6	2.2	-8	17.0	8.0	∧ ∫
13	-8°	1331	6	2.1	-8	22.8	9.0	∧ ∫
14	-8°	1329	6	1.7	-8	30.0	9.3	∧ ∫
15	-7°	1299	6	1.8	-7	55.7	6.8	∧ ∨
16	-7°	1296	6	1.2	-7	35.3	9.5	∧ ∫
17	-7°	1295	6	1.2	-7	20.9	9.3	∧ ∫
18	-7°	1292	6	0.8	-7	20.2	9.0	∧ ∫
19	-7°	1291	56	0.7	-7	9.0	8.5	∧ ∨
20	-6°	1419	6	1.2	-6	53.2	8.9	∧ ∫
21	-6°	1422	6	1.6	-6	37.2	9.0	∧ ∫
22	-6°	1420	6	1.3	-6	31.2	8.8	∧ ∫
23	-6°	1424	6	1.8	-6	48.3	7.0	∧ ∫
24	-6°	1432	6	2.5	-6	31.0	7.5	∧ ∫
25	-6°	1417	6	1.0	-6	12.1	9.0	∧ ∨
26	-6°	1412	5	59.9	-6	12.0	6.0	∧ ∫
27	-6°	1407	5	58.9	-6	37.4	8.0	∧ ∫

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13 20 5 46 short diffs.

No.	Fut.	Class	Remark
28	4	B9	
29	4	A3	
30	7	Ma	
31	5	K0	
32	8	B9	
33	6	A3	
34	5	A0	
35	4	B9	
36	4	B9	
37	2	K0	
38	2	A0	Partly superposed on 37.
39	4	B9	
40	3	A5	
41	2	Ma	
42	3	K5	
43	2	K0	
44	4	B5	
45	6	B9	
46	2	[illegible]	
47	2	[illegible]	
48	3	K5	
49	6	K2	
50	3	K5	
51	4	K2	
52	2	K5	
53	8	A2	
54	4	A0	

28	-6°	1405	5	58.7	-6	20.1	8.5	∧/
29	-6°	1404	5	58.6	-6	5.7	8.5	∧/
30	-5°	1499	5	58.9	-5	52.3	7.0	∧/
31	-5°	1495	5	58.4	-5	23.6	7.5	∧/
32	-5°	1491	5	57.8	-5	20.1	7.8	∧/
33	-5°	1497	5	58.8	-5	3.1	8.3	∧/
34	-4°	1352	5	58.4	-4	46.9	8.8	∧/
35	-4°	1351	5	58.3	-4	35.7	8.8	∧/
36	-4°	1356	5	58.9	-4	33.6	9.0	∧/
37	-6°	1400	5	58.0	-6	5.9	9.0	∧/
38	-6°	1399	5	57.9	-6	2.3	9.2	∧/
39	-6°	1397	5	57.5	-6	20.0	9.0	∧/
40	-6°	1395	5	57.4	-6	2.6	9.0	∧/
41	-5°	1488	5	56.9	-5	57.8	8.5	∧/
42	-6°	1387	5	56.4	-6	24.1	8.2	∧/
43	-6°	1386	5	56.0	-6	35.7	9.0	∧/
44	-6°	1384	5	55.4	-6	47.2	8.5	∧/
45	-6°	1381	5	55.0	-6	49.0	8.5	∧/
46	-6°	1382	5	53.1	-6	13.4	9.0	∧/
47	-6°	1378	5	54.1	-6	12.1	9.0	∧/
48	-5°	1480	5	55.7	-5	13.7	8.5	∧/
49	-5°	1478	5	55.0	-5	8.6	6.5	∧/
50	-5°	1476	5	54.7	-5	7.6	9.0	∧/
51	-4°	1336	5	55.5	-4	15.3	9.0	∧/
52	-3°	1267	5	54.9	-3	38.7	9.0	∧/
53	-3°	1265	5	54.6	-3	40.9	8.0	∧/
54	-3°	1264	5	54.5	-3	55.2	9.0	∧/

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B 205 #6 short disp.

No.	Int.	Class	Remark
55	5	Ao	
56	7	Ao	
57	5	I_2	
58	3	As	Partly superposed on 57.
59	2	I_2	
60	2	I_2	
61	2	I_2	
62	1	A	
63	1	I_2	
64	2	Ao	
65	4	As	
66	6	I_2	
67	1	A	
68	5	Ma	
69	5	Fs	
70	2	Be	
71	3	I_2	
72	3	I_2	
73	3	I_2	
74	2	Fe	
75	5	Bg	
76	6	Ao	
77	9	I_2	
78	2	I_2	
79	4	Ko	
80	4	Fs	
81	2	Fs	

55	-3°	1260	5	53.6	-3	54.3	8.3	∧ ∨
56	-5°	1468	5	53.3	-5	13.7	8.3	∧ ∨
57	-5°	1464	5	52.8	-5	11.1	8.5	∧ ∨
58	-5°	1463	5	52.7	-5	9.8	9.0	∧ ∨
59	-5°	1465	5	53.0	-5	29.8	9.0	∧ ∨
60	-5°	1467	5	53.2	-5	39.2	9.3	∧ ∨
61	-5°	1472	5	54.0	-5	40.0	9.5	∧ ∨
62	-5°	1470	5	53.7	-5	49.0	9.5	∧ ∨
63	-5°	1471	5	53.8	-5	55.7	9.5	∧ ∨
64	-5°	1462	5	52.4	-5	56.2	9.5	∧ ∨
65	-5°	1458	5	51.7	-5	33.5	8.8	∧ ∨
66	-5°	1451	5	50.9	-5	48.7	8.7	∧ ∨
67	-5°	1450	5	50.9	-5	56.7	9.5	∧ ∨
68	-6°	1359	5	50.6	-6	6.4	6.5	∧ ∨
69	-6°	1354	5	50.1	-6	12.7	8.5	∧ ∨
70	-5°	1447	5	50.4	-5	57.5	9.3	∧ ∨
71	-5°	1441	5	49.2	-5	55.3	9.1	∧ ∨
72	-5°	1456	5	51.3	-5	3.9	9.0	∧ ∨
73	-4°	1315	5	52.0	-4	46.6	9.0	∧ ∨
74	-4°	1317	5	52.2	-4	39.9	9.3	∧ ∨
75	-4°	1318	5	52.4	-4	21.2	9.0	∧ ∨
76	-4°	1316	5	52.1	-4	22.5	8.8	∧ ∨
77	-4°	1310	5	51.2	-4	39.5	7.0	∧ ∨
78	-4°	1308	5	51.0	-4	39.1	9.1	∧ ∨
79	-4°	1305	5	50.9	-4	47.1	8.5	∧ ∨
80	-4°	1306	5	50.9	-4	17.2	9.0	∧ ∨
81	-4°	1305	5	50.9	-4	0.7	9.3	∧ ∨

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B205 46 short disp.

No.	Int.	Class	Remark
82	3	A0	
83	7	B8	
84	5	A2	
85	4	F0	
86	2	F0	
87	5	F5	
88	4	F0	
89	3	F0	
90	2	F5	
91	10	A0	
92	2	B7	
93	4	F8	
94	6	F5	
95	3	A2	
96	3	B9	
97	3	ma	
98	2	A0	
99	3	G0	
100	3	F8	
101	3	B9	
102	5	A0	
103	7	B9	
104	4	B9	
105	4	A2	
106	3	B9	
107	2	G0	
108	4	G5	

82	-3°	1243	5	49.8	-3	47.3	9.2	^ v
83	-3°	1238	5	48.9	-3	49.9	8.5	^ v
84	-4°	1292	5	48.6	-4	6.6	8.9	^ v
85	-4°	1286	5	48.1	-4	4.9	8.4	^ v
86	-4°	1280	5	47.2	-4	45.9	9.0	^ v
87	-4°	1276	5	46.9	-4	59.3	8.6	^ v
88	-5°	1433	5	46.5	-5	18.8	8.3	^ v
89	-5°	1436	5	47.2	-5	35.1	8.5	^ v
90	-5°	1435	5	46.6	-5	31.4	9.2	^ v
91	-5°	1434	5	46.6	-5	44.3	7.0	^ v
92	-5°	1439	5	48.3	-5	41.9	9.3	^ v
93	-6°	1348	5	47.2	-6	26.2	8.8	^ v
94	-6°	1347	5	47.0	-6	47.1	8.5	^ v
95	-6°	1345	5	46.7	-6	35.7	8.5	^ v
96	-6°	1343	5	46.4	-6	26.6	9.0	^ v
97	-6°	1344	5	46.5	-6	17.9	8.0	^ v
98	-6°	1342	5	46.3	-6	8.7	9.4	^ v
99	-7°	1208	5	46.8	-7	3.5	9.0	^ v
100	-7°	1204	5	46.8	-7	19.8	9.3	^ v
101	-7°	1198	5	46.0	-7	25.0	9.5	^ v
102	-7	1194	5	45.3	-7	25.0	8.7	^ v
103	-7°	1192	5	44.9	-7	20.5	8.0	^ v
104	-6°	1337	5	45.2	-6	58.3	8.9	^ v
105	-6°	1335	5	44.7	-6	50.4	8.8	^ v
106	-6°	1332	5	43.8	-6	16.1	9.0	^ v
107	-5°	1421	5	43.7	-5	59.1	9.3	^ v
108	-5°	1417	5	43.0	-5	56.9	8.0	^ v

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B20546 shot disp.

No.	Int	Class	Remark
109	4	F0	
110	2	K2	
111	2	F5	
112	2	A	
113	4	A3	
114	5	A0	
115	3	B9	
116	4	G5	
117	3	F5	
118	5	A0	
119	3	G0	
120	7	A0	
121	6	B8	
122	6	A5	
123	8	B8	
124	2	G0	
125	2	G0	
126	4	A	From H.S.K. violet superposed on 127.
127	7	K0	
128	3	G0	
129	2	G0	
130	2	G5	
131	5	G5	
132	4	A0	
133	2	G5	
134	2	G0	
135	3	K0	

109	-6°	1323	5	42.5	-6	14.2	8.5 ^ J
110	-5°	1422	5	44.1	-5	39.4	9.0 ^ J
111	-5°	1426	5	45.1	-5	32.5	9.2 ^ J
112	-5°	1424	5	44.8	-5	58.2	9.5 ^ J
113	-4°	1258	5	43.9	-4	57.3	8.8 ^ J
114	-5°	1419	5	43.3	-5	1.3	8.8 ^ J
115	-4°	1259	5	44.0	-4	37.9	9.2 ^ J
116	-4°	1251	5	42.5	-4	30.4	8.5 ^ J
117	-5°	1416	5	42.9	-5	24.2	9.1 ^ J
118	-5°	1410	5	41.8	-5	32.3	8.7 ^ J
119	-5°	1409	5	41.8	-5	48.9	9.0 ^ J
120	-5°	1406	5	41.5	-5	53.4	8.5 ^ J
121	-6°	1314	5	41.0	-6	10.8	8.5 ^ J
122	-6°	1317	5	41.3	-6	42.3	8.0 ^ J
123	-6°	1313	5	40.7	-6	29.5	7.7 ^ J
124	-6°	1311	5	40.4	-6	25.9	8.8 ^ J
125	-5°	1402	5	40.9	-5	44.0	9.3 ^ J
126	-5°	1399	5	40.3	-5	32.3	9.0 ^ J
127	-5°	1398	5	40.2	-5	38.6	8.0 ^ J
128	-5°	1405	5	41.4	-5	23.5	8.8 ^ J
129	-5°	1404	5	41.3	-5	23.8	9.3 ^ J
130	-4°	1243	5	41.1	-4	51.8	9.0 ^ J
131	-5°	1395	5	39.9	-5	11.5	8.5 ^ J
132	-5°	1393	5	39.3	-5	22.6	9.0 ^ J
133	-5°	1387	5	38.9	-5	19.5	8.7 ^ J
134	-4°	1238	5	40.1	-4	31.8	9.0 ^ J
135	-7°	1280	5	39.1	-7	5.0	8.5 ^ J

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No.	Int.	Class	Remark
136	7	K0	
137	2	A0	
138	8	K0	
139	2	A	
140	4	K0	
141	5	K0	
142	4	A0	
143	7	A0	
144	1	K	
145	1	K5	
146	4	K0	
147	3	K0	
148	5	A5	
149	3	A2	
150	3	B9	
151	3	A0	
152	2	F0	
153	1	A	
154	2	A	
155	4	F5	
156	2	B9	
157	3	B9	
158	3	K0	
159	1	G0	
160	6	K0	
161	8	B8	
162	8	K	

136	-7°	1278	5	59.1	-7	18.4	8.0	∧√
137	-7°	1282	5	59.2	-7	29.8	9.4	∧∨
138	-7°	1279	5	59.1	-7	37.1	7.2	∧∨
139	-7°	1285	56	0.0	-7	52.8	9.2	∧∨
140	-8°	1323	6	0.1	-8	14.5	9.0	∧∨
141	-8°	1319	5	59.4	-8	20.8	8.5	∧∨
142	-8°	1312	5	58.4	-8	56.9	9.0	∧∨
143	-8°	1303	5	57.3	-8	43.2	8.5	∧∨
144	-8°	1313	5	58.5	-8	17.2	9.3	∧∨
145	-8°	1311	5	58.3	-8	10.4	9.3	∧∨
146	-8°	1310	5	58.2	-8	04	8.5	∧∨
147	-7°	1274	5	58.0	-7	56.8	8.5	∧∨
148	-7°	1275	5	58.1	-7	31.3	8.5	∧∨
149	-7°	1268	5	57.0	-7	33.6	9.2	∧∨
150	-7°	1264	5	56.3	-7	49.3	9.0	∧∨
151	-7°	1261	5	56.2	-7	47.9	9.0	∧∨
152	-8°	1300	5	56.9	-8	15.5	9.5	∧∨
153	-8°	1296	5	56.1	-8	18.6	9.5	∧∨
154	-8°	1295	5	55.9	-8	0.6	9.4	∧∨
155	-7°	1256	5	55.0	-7	56.0	8.7	∧∨
156	-7°	1255	5	54.9	-7	57.7	9.5	∧∨
157	-7°	1254	5	54.4	-7	45.7	9.0	∧∨
158	-7°	1249	5	53.6	-7	49.4	8.5	∧∨
159	-7°	1252	5	54.0	-7	32.9	9.3	∧∨
160	-7°	1248	5	53.5	-7	29.3	7.0	∧∨
161	-7°	1246	5	53.4	-7	35.5	7.5	∧∨
162	-8°	1278	5	53.1	-8	7.1	7.0	∧∨

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B 2054 6 slost disp.

Nr.	Fut.	Class	Remark
163	4	K0	
164	6	Ky0	
165	2	F0	
166	1	K5	
167	2	K2	
168	2	Ky5	
169	2	F	
176	4	A5	
171	6	K0	
172	3	A0	
173	4	A2	
174	4	A2	
175	2	F5	
176	5	F0	
177	5	K0	
178	2	A0	
179	5	K3	
180	2	Ky0	
181	7	A0	
182	6	A0	
183	5	K0	
184	4	A0	
185	1	Ky	
186	3	F5	
187	1	Ky	
188	2	Ky	
189	2	F5	

163	-8°	1276	5	52.7	-8	3.6	8.7 ∧ ✓
164	-7°	1241	5	52.2	-7	40.5	8.5 ∧ ✓
165	-7°	1240	5	52.0	-7	39.4	9.5 ∧ ✓
166	-7°	1243	5	52.5	-7	17.2	9.0 ∧ ✓
167	-7°	1262	5	56.2	-7	1.9	9.0 ∧ ✓
168	-7°	1253	5	54.4	-7	7.4	9.0 ∧ ✓
169	-7°	1251	5	53.8	-7	12.1	9.1 ∧ ✓
170	-6°	1375	5	53.4	-6	58.9	9.0 ∧ ✓
171	-6°	1372	5	52.8	-6	36.2	7.0 ∧ ✓
172	-6°	1364	5	51.7	-6	28.3	9.3 ∧ ✓
173	-6°	1363	5	51.3	-6	52.2	8.8 ∧ ✓
174	-6°	1360	5	50.9	-6	29.6	8.8 ∧ ✓
175	-6°	1357	5	50.4	-6	24.4	9.2 ∧ ✓
176	-7°	1234	5	50.9	-7	23.6	8.5 ∧ ✓
177	-7°	1232	5	50.8	-7	41.0	8.0 ∧ ✓
178	-7°	1231	5	50.2	-7	18.7	9.3 ∧ ✓
179	-7°	1227	5	49.6	-7	39.7	9.0 ∧ ✓
180	-7°	1225	5	49.2	-7	31.6	9.5 ✓
181	-7°	1222	5	48.8	-7	40.6	8.3 ∧ ✓
182	-7°	1221	5	48.6	-7	29.4	8.3 ∧ ✓
183	-7°	1220	5	48.6	-7	41.5	7.8 ∧ ✓
184	-7°	1211	5	47.8	-7	33.0	9.0 ∧ ✓
185	-7°	1212	5	47.9	-7	27.6	9.2 ∧ ✓
186	-7°	1210	5	47.8	-7	25.0	9.0 ∧ ✓
187	-7°	1215	5	48.1	-7	11.1	9.5 ∧ ✓
188	-7°	1217	5	48.1	-7	9.7	9.5 ∧ ✓
189	-7°	1213	5	48.0	-7	2.1	9.2 ∧ ✓

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B20546 short disp.

No.	Int.	Class	Remark
190	2	fo	
191	8	Ko	
192	2	Fs	
193	2	Fo	
194	3	Fk2	
195	3	Fs	
196	3	Ko	
197	4	Fo	
198	2	Fs	
199	6	Ao	
200	6	Fo	
201	10+	A	Burned out
202	2	Ko	
203	4	Ao	
204	4	Fk2	
205	6	fo	
206	9	F8	Poor focus.
207	3	Fk	
208	4	fg5	
209	2	fg	
210	2	fo	
211	3	fg5	
212	2	fo	
213	3	Fko	
214	6	Bq	
215	3	Mb	
216	3	Bq	

12. 7.3
July 4, 1912
12.55

190	-6°	1351	5	49.1	-6	47.8	9.0
191	-8°	1250	5	47.5	-8	27.1	7.0
192	-8°	1247	5	46.8	-8	1.8	9.7
193	-8°	1246	5	46.7	-8	3.4	9.5
194	-8°	1243	5	46.4	-8	8.7	8.5
195	-8°	1242	5	46.4	-8	21.3	9.3
196	-8°	1241	5	45.8	-8	22.0	8.9
197	-8°	1240	5	45.6	-8	1.5	8.8
198	-7°	1193	5	45.2	-7	46.4	9.3
199	-7°	1190	5	44.7	-7	58.1	8.3
200	-9°	1257	5	45.4	-9	0.0	8.0
201	-9°	1255 1232	5	45.2	-9	5.4	6.0
202	-8°	~~1194~~	5	~~44.8~~ 45.0	-8	53.0 ~~25.0~~	9.0 ~~8.7~~
203	-9°	1249	5	43.6	-9	1.9	9.3
204	-8°	1225	5	42.1	-8	27.1	8.9
205	-8°	1223	5	41.7	-8	58.4	8.5
206	-8°	1219	5	41.2	-8	25.0	7.5
207	-8°	1218	5	41.0	-8	22.8	8.5
208	-7°	1182	5	42.5	-7	2.3	8.5
209	-6°	1322	5	42.4	-6	38.7	9.0
210	-7°	1173	5	41.4	-7	14.4	9.0
211	-7°	1172	5	40.7	-7	26.6	8.5
212	-7°	1170	5	40.1	-7	54.3	9.0
213	-8°	1212	5	39.3	-8	25.1	9.0
214	-10°	1344	5	54.2	-10	3.7	8.5
215	-10°	1341	5	53.8	-10	2.0	8.5
216	-9°	1294	5	53.7	-9	52.2	9.0

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Thursday July 4, 1912 (Cont)
B20546

No.	Dext.	Class	Remark
217	7	A3	
218	4	F0	
219	10+	A	Burned out
220	10+	F	"
221	5	A3	
222	3	B9	
223	4	B8	
224	4	F0	
225	3	A2	
226	8	K5	
227	2	A0	
228	3	F5	
229	3	A5	
230	3	K0	
231	10	A0	
232	3	F0	
233	3	K2	
234	5	A2	
235	4	A0	
236	5	A0	
237	2	B0	
238	6	A3	
239	9	F2	
240	2	B5	
Time 1:60 241	6	A	
~~242~~			
~~243~~			

end 133, 28

217	-9°	1291	5	53.0	-9	44.6	8.5	∧√
218	-9°	1286	5	52.5	-9	48.3	9.0	∧√
219	-9°	1285	5	52.2	-9	35.0	5.5	∧√
220	-9°	1284	5	52.1	-9	23.4	7.0	∧√
221	-8°	1275	5	52.1	-8	54.4	8.0	∧√
222	-9°	1281	5	51.6	-9	19.6	9.3	∧√
223	-9°	1274	5	49.9	-9	19.5	8.0	∧√
224	-8°	1267.6	5	50.3	-8	46.2	9.0	∧√
225	-8°	1267	5	50.3	-8	26.9	9.0	∧√
226	-8°	1265	5	50.0	-8	24.2	7.3	∧√
227	-8°	1263	5	49.4	-8	35.8	9.3	∧√
228	-8°	1258	5	49.1	-8	38.1	9.1	∧√
229	-8°	1256	5	48.9	-8	45.7	9.0	∧√
230	-8°	1253	5	48.6	-8	50.2	9.0	∧√
231	-9°	1262	5	48.0	-9	12.6	8.0	∧√
232	-9°	1268	5	48.9	-9	25.5	9.0	∧√
233	-9°	1275	5	50.1	-9	50.1	9.0	∧√
234	-10°	1323	5	50.0	-10	8.5	9.0	∧√
235	-9°	1270	5	49.4	-9	56.8	9.0	∧√
236	-10°	1319	5	49.2	-10	7.5	9.0	∧√
237	-9°	1267	5	48.9	-9	56.9	9.0	∧√
238	-9°	1266	5	48.6	-9	53.8	8.6	∧√
239	-9°	1264	5	48.2	-9	50.2	7.2	∧
240	-9°	1259	5	46.7	-9	32.7	9.0	∧√
241	-10°	1309	5	46.6	-10	42.9	8.5	∧√

Identified by ANC July 6, 1912
Checked July 26 1912. D.H.W.

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Thursday July 4, 1912

I 37829

Time 1h 03

No.	Dist.	Class	Remark
1	9	A2	E
2	10	B	Too dense to subdivide.
3	5	A3	
4	3	B8	E. Poor focus.
5	7	B3	
6	9	B0	
7	2	B8	
8	3	Mb	
9	5	B3	
10	2	A0	
11	2	G0	
12	3	G5	
13	1	G	
14	1	G5	
15	2	F8	
16	6	B5	
17	4	A3	
18	8	B8	
19	1	K	
20	2	a	
21	6	A0	
22	3	K0	
23	2	G0	
24	7	B9	E.
25	5	A0	E.
26	1	a	E
27	9	K0	E

1	+20°	4088	19	9.0	+20	58.8	6.0	✓
2	+21°	3713	19	10.0	+21	8.2	4.7	✓
3	+21°	3719	19	11.3	+21	33.0	7.3	✓
4	+22°	3644	19	11.0	+22	10.1	8.0	✓
5	+22°	3647	19	11.5	+22	10.8	7.5	✓
6	+22°	3648	19	11.6	+22	45.8	6.1	✓
7	+21°	3726	19	12.4	+21	41.2	8.2	✓
8	+22°	3760	19	13.4	+22	18.2	7.7	✓
9	+23°	3625	19	13.2	+23	2.2	7.4	✓
10	+23°	3624	19	13.1	+23	16.5	8.6	✓
11	+23°	3621	19	12.6	+23	35.5	8.3	✓
12	+24°	3708	19	12.1	+24	9.2	7.4	✓
13	+23°	3628	19	13.9	+23	29.6	8.7	✓
14	+23°	3631	19	14.3	+23	14.3	8.8	✓
15	+23°	3635	19	15.7	+23	11.3	8.4	✓
16	+22°	3674	19	15.8	+22	13.7	7.7	✓
17	+22°	3675	19	16.0	+22	15.5	8.2	✓
18	+21°	3740	19	14.7	+21	55.8	6.7	✓
19	+21°	3739	19	14.6	+21	62.4	8.0	✓
20	+21°	3736	19	14.3	+21	30.7	8.1	✓
21	+20°	4114	19	15.0	+20	41.4	7.8	✓
22	+19°	3997	19	16.9	+19	59.8	7.1	✓
23	+20°	4123	19	17.1	+20	17.9	7.8	✓
24	+19°	4000	19	17.5	+19	59.1	6.5	✓
25	+19°	4004	19	18.4	+19	39.4	7.2	✓
26	+19°	4007	19	18.9	+19	22.9	8.8	✓
27	+19°	4010	19	19.1	+19	30.9	5.0	✓

Cards made out

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Thursday July 4, 1912 (Contd)
I 37829

No.	Int.	Class	Remarks
28	10	Bq	E
29	10	Bq	Too dense
30	4	K5	E
31	6	Bq	E
32	2	Bq	
33	6	B3	
34	8	B3	
35	3	Bq	
36	3	A0	
37	3	G5	
38	2	A0	
39	5	B3	
40	6	B8	
41	6	B5	
42	3	B8	
43	3	Bq	
Time 12.12	44	2	A0
Time 12.27	45	3	G5
	46	2	A5
	47	2	A
	48	2	Bq
	49	1	F5
	50	3	A2
	51	2	A
	52	2	K0
	53	4	A0
	54	2	A3

28	+19°	4009	19	19.1	+19	59.9	6.6 J
29	+19°	4015	19	19.9	+19	49.2	6.1 J
30	+19°	4017	19	20.1	+19	36.0	6.2 J
31	+19°	4019	19	20.2	+19	58.5	6.6 J
32	+20°	4146	19	21.1	+20	22.9	8.6 J
33	+19°	4028	19	21.6	+19	57.3	7.4 J –
34	+19°	4039	19	23.0	+19	59.1	7.0 J
35	+21°	3800	19	23.2	+21	2.4	8.3 J
36	+21°	3795	19	22.7	+21	19.8	8.3 J
37	+21°	3794	19	22.5	+21	41.0	7.7 J
38	+21°	3790	19	21.8	+21	27.7	8.4 J
39	+21°	3782	19	20.5	+21	21.7	7.3 J
40	+20°	4139	19	20.5	+20	52.4	7.7 J
41	+20°	4142	19	20.7	+20	48.9	8.0 J
42	+21°	3753	19	16.3	+21	55.1	7.9 J
43	+22°	3683	19	17.6	+22	17.0	8.3 J –
44	+22°	3684	19	18.2	+22	40.9	8.5 J
45	+21°	3769	19	18.5	+21	55.5	8.1 J
46	+21°	3768	19	18.3	+21	14.1	8.3 J
47	+21°	3775	19	19.2	+21	0.4	8.5 J
48	+21°	3773	19	18.9	+21	55.7	8.5 J
49	+22°	3692	19	19.5	+22	7.5	9.2 J
50	+22°	3693	19	20.0	+22	28.1	8.3 J
51	+22°	3696	19	20.2	+22	3.9	8.9 J
52	+22°	3705	19	22.3	+22	25.6	7.8 J
53	+22°	3708	19	22.6	+22	15.5	8.3 J
54	+22°	3710	19	22.7	+22	47.1	8.2 J
					cards	made	out

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Thursday, July 4, 1912 (cont.)

I 37829

No.	Dist.	Class	Remark
55	3	K2	
56	6	A2	
57	1	F	
58	2	G5	
59	3	G0	
60	4	G0	
61	4	A0	
62	2	G5	
63	3	A2	
64	3	Ma	
65	3	A0	
66	2	A0	
67	3	Bq	
68	2	G5	
69	3	A0	
70	3	Bq	
71	2	A5	
72	3	A2	
73	2	Bq	
74	4	A2	
75	4	A0	
76	2	Bq	
77	3	A0	
78	3	A3	
79	3	Bq	
80	3	G0	
81	4	K0	

55	+22°	3712	19	23.7	+22	24.6	7.3	J
56	+22°	3718	19	24.2	+22	12.0	8.0	J
57	+22°	3719	19	24.4	+22	41.2	9.0	J
58	+22°	3727	19	26.2	+22	15.0	8.3	J
59	+22°	3728	19	26.3	+22	56.0	8.1	J
60	+23°	3684	19	27.3	+23	11.2	8.0	J
61	+23°	3689	19	28.9	+23	9.5	8.1	V
62	+23°	3689	19	27.7	+23	50.7	8.2	J
63	+24°	3780	19	28.0	+24	16.6	8.8	J
64	+25°	3877	19	28.2	+25	2.2	7.3	J
65	+24°	3785	19	28.8	+24	50.1	8.6	V
66	+24°	3788	19	29.0	+24	42.7	8.7	J
67	+24°	3797	19	29.7	+24	51.4	8.1	J
68	+24°	3798	19	30.0	+24	24.7	8.1	J
69	+24°	3801	19	30.3	+24	44.9	8.7	J
70	+24°	3803	19	30.4	+24	40.7	8.5	J
71	+25°	3893	19	31.2	+25	6.4	8.6	J
72	+25°	3896	19	31.4	+25	13.8	8.0	V
73	+24°	3814	19	31.7	+24	41.4	8.2	J
74	+24°	3815	19	31.8	+24	23.6	7.9	V
75	+23°	3717	19	31.6	+23	55.8	8.0	J
76	+24°	3807	19	30.5	+24	4.7	8.5	J
77	+23°	3711	19	30.4	+23	40.8	8.3	J
78	+23°	3707	19	30.2	+23	21.9	8.0	J
79	+23°	3714	19	30.8	+23	13.2	8.3	V
80	+22°	3749	19	31.7	+22	28.1	7.7	J
81	+24°	3832	19	33.8	+24	12.2	7.3	V

cards made out

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Thursday July 4, 1912 (Cont.)

T 37829

No.	Dist.	Class	Remark
82	4	F8	
83	3	G0	
84	2	F2	
85	7	A3	
86	9	B3	
87	3	F2	
88	2	G	
89	6	F8	
90	8	K5	
91	2	F5	
92	2	G5	
93	7	F0	
94	7	K0	
95	2	K	
96	5	B9	
97	3	A0	
98	4	F5	Confirm
99	2	G5	
100	2	F8	
101	2	A	Another star superposed? Yes
102	2	G5	
103	3	B9	
104	6	A0	
105	2	B	
106	3	A0	
107	6	B	Focus has gone to pieces.
108	6	A2	

82	+24°	3838	19h	34.7	+24	14.1	8.2	✓
83	+23°	3729	19h	34.1	+23	33.2	8.0	✓
84	+23°	3728	19h	34.0	+23	10.5	8.7	✓
85	+23°	3731	19h	34.2	+23	8.7	7.4	✓
86	+23°	3733	19h	34.5	+23	23.0	6.2	✓
87	+23°	3736	19h	34.8	+23	9.2	7.9	✓
88	+23°	3739	19h	35.5	+23	45.4	8.6	✓
89	+24°	3849	19h	37.0	+24	16.3	7.1	✓
90	+25°	3933	19h	37.7	+25	25.5	5.8	✓
91	+24°	3856	19h	38.0	+24	40.21	8.6	✓
92	+24°	3872	19h	40.21	+24	48.8	8.8	✓
93	+24°	3877	19h	40.6	+24	~~38.9~~ 46.8	~~7.3~~ 6.5	✓
94	+25°	3972	19h	41.7	+25	1.5	6.2	✓
95	+24°	3889	19h	42.3	+24	38.9	7.3	✓
96	+24°	3892	19h	42.5	+24	36.0	7.5	✓
97	+25°	3986	19h	43.3	+25	8.7	8.1	✓
98	+23°	3760	19h	39.3	+23	34.9	7.2	✓
99	+23°	3767	19h	39.8	+23	44.0	8.2	✓
100	+23°	3773	19h	41.3	+23	33.9	8.3	✓
101	+23°	3777	19h	41.8	+23	52.9	8.3	✓ +23° 3776 superposed
102	+24°	3698	19h	10.1	+24	31.8	8.0	✓
103	+24°	3699	19h	10.6	+24	1.8	8.3	✓
104	+24°	3706	19h	11.5	+24	58.8	7.8	✓
105	+25°	3780	19h	11.9	+25	6.0	8.0	✓
106	+25°	3779	19h	11.8	+25	35.5	8.5	✓
107	+25°	3786	19h	12.5	+25	47.8	7.2	✓
108	+26°	3521	19h	13.3	+26	39.8	7.2	✓

Cards made out

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Thursday July 4, 1912 (Cont)
I 37879

No	Dist	Class
109	2	K5
110	2	A
111	6	F5
112	6	B3
113	6	B3
114	2	K2
115	2	G0
116	4	F0
117	8	F8
118	3	B9
119	1	K
120	2	B9
121	5	B8
122	2	A
123	4	K2
124	10	K5
125	7	K0
126	3	F2
127	1	K
128	1	G5
129	1	F0
130	2	G0
131	2	K0
132	3	G0
133	7	F2
134	8	K0
135	7	B8

109	+27°	3340	19	13.23	+27	0.1	6.7	J
110	+26°	3524	19	14.1	+26	46.8 / 48.8	8.8 / 8.5	J
111	+26°	3528	19	14.2	+26	22.6 / 23.6	7.5 / 7.5	✓
112	+25°	3802	19	15.5	+25	19.9	7.0	✓
113	+25°	3803	19	15.7	+25	18.0	7.5	J
114	+24°	3727	19	16.7	+24	39.2	8.3	J
115	+25°	3810	19	16.8	+25	2.6	8.6	J
116	+23°	3641	19	17.4	+23	41.5	7.5	J
117	+24°	3737	19	19.4	+24	39.0	6.1	J
118	+24°	3742	19	19.9	+24	46.2	8.0	J
119	+25°	3822	19	19.21	+25	11.3	8.4	J
120	+25°	3823	19	19.3	+25	25.5	8.4	J
121	+25°	3827	19	19.7	+25	49.1	7.5	✓
122	+25°	3834	19	20.6	+25	12.3	8.4	J
123	+24°	3758	19	22.4	+24	41.6	7.5	J
124	+24°	3759	19	22.7	+24	22.2	4.2	J
125	+24°	3766	19	22.9	+24	28.4	6.4	J
126	+23°	3661	19	21.4	+23	53.5	8.0	J
127	+24°	3750	19	21.5	+24	15.3	8.2	J
128	+23°	3646	19	18.6	+23	19.7	8.0	✓
129	+23°	3648	19	19.0	+23	30.8	8.6	J
130	+24°	3767	19	24.4	+24	7.0	8.4	J
131	+24°	3765	19	24.0	+24	45.4	8.0	J
132	+24°	3768	19	24.6	+24	48.8	8.1	J
133	+25°	3864	19	26.1	+25	17.3	6.6	J
134	+26°	3573	19	25.4	+26	18.6	6.5	✓
135	+26°	3574	19	25.7	+26	40.8	7.7	✓
						cards	made	out

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Thursday July 4, 1912 (cont)

I 37829

No.	Dist	Class	Remark
136	6	A2	
137	2	K0	
138	2	F	
139	2	F0	
140	1	K	
141	5	B5	
142	2	A	
143	3	B5	
144	4	B9	
145	3	A3	
146	2	A	
147	5	B8	
148	7	B8	
149	4	A0	
150	3	A3	
151	9	B8	Poor focus
152	2 1	K	
153	1	B5	
154	3	A0	
155	4	A	
156	3	K0	
157	4	F0	
158	7	K	Focus poor.
159	3	F5	
160	10	B8	Burned out.
161	2	A	
162	2	A	

136	+25°	3875	19	28.0	+25	44.6	6.5	✓
137	+25°	3876	19	28.0	+25	29.6	7.0	✓
138	+25°	3879	19	28.4	+25	16.2	8.6	✓
139	+25°	3881	19	28.8	+25	43.2	8.7	✓
140	+25°	3884	19	29.2	+25	41.2	8.2	✓
141	+25°	3889	19	29.8	+25	29.8	7.5	✓
142	+25°	3891	19	30.0	+25	13.7	8.3	✓
143	+26°	3615	19	31.4	+26	2.0	7.5	✓
144	+25°	3900	19	32.0	+25	41.3	7.5	✓
145	+25°	3903	19	32.5	+25	39.1	7.7	✓
146	+25°	3914	19	34.2	+25	51.5	8.9	✓
147	+25°	3917	19	34.5	+25	59.1	7.7	✓
148	+26°	3632	19	34.3	+26	39.7	7.0	✓
149	+26°	3640	19	34.9	+26	47.7	8.1	✓
150	+27°	3466	19	35.5	+27	21.8	7.7	✓
151	+27°	3471	19	36.0	+27	2.7	7.1	✓
152	+26°	3646	19	36.2	+26	50.7	8.3	✓
153	+26°	3647	19	36.4	+26	44.3	8.3	✓
154	+26°	3649	19	36.6	+26	55.2	8.4	✓
155	+27°	3480	19	36.9	+27	16.1	8.2	✓
156	+27°	3484	19	37.1	+27	8.7	7.5	✓
157	+26°	3650	19	37.2	+26	35.7	7.8	✓
158	+26°	3654	19	38.0	+26	47.5	6.8	✓
159	+26°	3533	19	15.8	+26	21.8	7.7	✓
160	+25°	3811	19	16.9	+25	59.4	5.5	✓
161	+25°	3813	19	17.2	+25	38.5	8.6	✓
162	+26°	3540	19	18.4	+26	4.2	8.8	✓

Cards made out

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Thursday July 4, 1912 (Cont.)
I37829

No.	Int.	Class	Remark
163	5	F8	
164	3	a	
165	2	A5	
166	2	a	Another star superposed?
167	3	B8	
168	2	F	
169	2	a	
170	3	a	E.
171	2	F	E
172	3	F5	
173	6	a3	Maybe Comp. Look up.
174	4	B9	
Time 12.55 175	2	F	
176	2	K2	
177	4	A0	
178	3	K0	
179	6	A0	
180	5	K0	
181	6	B0	
182	3	A2	Lines 4077 & 4128.31 strong
183	2	B[illegible]	Almost enth. Abs. only seen in Wolf on B 36748, traces of the lines seen B or O e5.

163	+27°	3291	19	20.7	+27	1.9	7.8	✓
164	+26°	3559	19	21.8	+26	49.7	8.5	✓
165	+26°	3554	19	20.7	+26	1.7	8.5	✓
166	+25°	3543	19	21.8	+25	54.7	8.5	✓
169	+26°	3566	19	23.3	+26	25.2	8.0	✓
168	+26°	3567	19	23.4	+26	2.2	8.5	✓
169	+25°	3855	19	24.1	+25	41.8	8.5	✓
170	+27°	3397	19	22.4	+27	37.3	8.2	✓
171	+27°	3404	19	23.3	+27	37.6	8.0	✓
172	+27°	3428	19	27.3	+27	4.7	8.4	✓
173	+26°	3594	19	29.1	+26	54.4	6.9	✓
174	+26°	3599	19	29.6	+26	47.5	8.0	✓
175	+26°	3603	19	30.2	+26	54.9	8.4	✓

Identified by AMC July 8, 1912
Checked by J.B.W. Aug. 26, 1912
cards made out by Mr. C.W.

176	+21°	3838	19	29.5	+21	49	7.5	✓
177	+20°	4178	19	26.7	+20	42	7.8	177 on I37829.
178	+22°	3754	19	32.6	+22	47	7.7	18 " I37235
179	+22°	3752	19	32.5	+22	43	7.5	17 " "
180	+20°	4210	19	32.0	+20	28	6.7	64 on I37235
181	+20°	4218	19	34.1	+20	9	6.7	69 " "
182	+21°	3885	19	36.8	+21	58	8.1	24 " "
183	+23	3706	19	30.2	+23	22	8.0	Scales I36748.

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Friday, July 5, 1912

Time: 12.00 I 37803

No	Int.	Class	Remark
1	3	A_2	E.
2	2	K_0	E.
3	10	G_5	
4	2	G	
5	2	K_0	
6	1	K	
7	5	K_0	
8	10	A_2	Line 4077 well marked. 4128.31 also seen.
9	3	G_0	
10	3	A_2	
11	2	F	Trace very poor.
12	4	A_5	
13	8	F_2	
14	4	K_2	
15	3	G_5	
16	4	A_3	
17	10	F	Burned out
18	2	A	
19	3	G_0	
20	2	K_0	
21	1	K	
22	3	K_0	
23	2	G_5	
24	3	F	E.
25	2	F	
26	2	K_0	
27	5	K_3	

1	+55°	1857	16	32.2	+55	48.6	8.3	✓
2	+56°	1906	16	34.6	+56	2.3	9.0	✓
3	+56°	1907	16	35.1	+56	18.0	5.4	✓
4	+55°	1861	16	35.4	+55	56.9	8.9	J
5	+55°	1864	16	37.1	+55	23.0	8.7	J
6	+55°	1865	16	37.9	+55	57.5	8.9	J
7	+56°	1911	16	37.8	+56	27.5	7.8	J
8	+55°	1872	16	40.0	+55	58.3	6.3	J
9	+55°	1873	16	41.3	+55	12.3	8.3	✓
10	+54°	1827	16	36.5	+54	41.4	8.0	J
11	+54°	1832	16	41.8	+54	28.0	8.8	✓
12	+54°	1834	16	43.4	+54	39.9	8.4	✓
13	+55°	1876	16	42.7	+55	34.1	6.7	✓
14	+55°	1878	16	43.9	+55	40.6	7.0	J
15	+56°	1917	16	42.7	+56	2.3	8.0	✓
16	+56°	1918	16	43.3	+56	21.5	8.9	✓
17	+57°	1902	16	42.6	+57	3.0	5.0	J
18	+56°	1919	16	43.7	+56	38.2	9.0	J
19	+57°	1708	16	45.0	+57	9.1	8.0	✓
20	+56°	1927	16	48.0	+56	35.0	8.3	✓
21	+56°	1928	16	48.3	+56	35.1	9.0	✓
22	+55°	1879	16	45.4	+55	39.9	7.7	✓
23	+55°	1880	16	45.5	+55	23.6	8.5	✓
24	+54°	1838	16	45.9	+54	16.5	8.5	✓
25	+54°	1841	16	48.1	+54	1.6	8.5	✓
26	+54°	1843	16	48.3	+54	16.9	8.6	J
27	+54°	1844	16	48.8	+54	26.1	7.0	✓

Cards made out

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Friday, July 5, 1912

I 37802.

Nr.	Dif.	Class	Remark
28	3	K0	
29	2	G	
30	4	B9	
31	1	K	
32	1	K	
33	1	K	
34	2	G0	
35	1	K	
36	9	K0	
37	3	G5	
38	6	B9	
39	2	G5	
40	4	K0	
41	6	K0	
42	2	A5	
43	3	K0	
44	4	K0	
45	2	K0	
46	5	K0	
47	4	A5	
48	2	A5	
49	3	F5	
50	10	F5	
51	5	K0	
52	5	F5	
53	7	G5	
54	5	B9	

28	+54°	1846	16	49.5	+54	49.2	8.0	✓
29	+54°	1847	16	49.8	+54	59.2	8.7	✓
30	+56°	1929	16	50.0	+56	15.3	8.4	✓
31	+56°	1930	16	50.4	+56	30.0	8.9	✓
32	+55°	1887	16	51.6	+55	58.4	9.2	✓
33	+55°	1889	16	52.2	+55	19.6	8.8	✓
34	+54°	1849	16	52.1	+54	39.5	8.8	✓
35	+55°	1890	16	53.7	+55	44.4	8.4	✓
36	+56°	1934	16	56.7	+56	57.2	6.0	✓
37	+57°	1726	16	58.5	+57	19.6	8.2	✓
38	+57°	1729	17	1.1	+57	42.1	8.2	✓
39	+57°	1730	17	2.0	+57	2.9	8.6	✓
40	+56°	1943	17	2.4	+56	43.9	7.8	✓
41	+56°	1944	17	3.0	+56	19.5	7.0	✓
42	+55°	1896	16	57.7	+55	45.4	8.6	✓
43	+54°	1856	16	58.7	+54	48.3	8.2	✓
44	+53°	1910	16	56.8	+53	15.5	7.5	✓
45	+53°	1912	16	58.1	+53	54.1	8.8	✓
46	+53°	1915	17	0.7	+53	24.4	7.8	✓
47	+53°	1916	17	1.1	+53	0.9	8.2	✓
48	+53°	1917	17	1.8	+53	20.5	8.5	✓
49	+53°	1918	17	2.6	+53	56.1	8.3	✓
50	+54°	1857	17	2.3	+54	32.6	4.8	✓
51	+55°	1912	17	5.0	+55	57.1	6.7	✓
52	+56°	1949	17	5.2	+56	20.9	8.0	✓
53	+56°	1954	17	8.5	+56	50.1	7.5	✓
54	+57°	1742	17	9.9	+57	23.5	8.0	✓

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Friday July 5, 1912.

I 37802

Nr.	Int.	Class	Remark
55	4	F2	
56	4	A0	
57	6	F5	
58	2	G5	
59	2	K0	
60	2	K0	
61	8	F0	star on spec. edge too faint to classify.
62	10	B8	E.
63	5	A0	E.
64	2	F	E.
65	4	K0	
66	2	K0	
67	1	K	
68	2	F5	
69	2	F	E.
70	9	K5	E.
71	2	F5	
72	4	K0	
73	3	G5	
74	7	A2	
75	4	A2	
76	9	A2	
77	4	A3	
78	3	K0	
79	3	A2	E.
80	2	K5	
81	4	A5	

55	+56°	1959	17	11.4	+56	18.1	7.7	✓
56	+56°	1963	17	12.1	+56	14.1	8.0	✓
57	+55°	1921	17	10.7	+55	38.5	7.4	✓
58	+55°	1920	17	10.0	+55	45.9	8.2	✓
59	+54°	1860	17	5.5	+54	26.3	8.5	✓
60	+54°	1861	17	7.1	+54	41.0	8.6	✓
61	+54°	1869	17	10.0	+54	18.3	7.0	✓
62	+52°	2032	17	7.2	+52	35.2	6.0	✓
63	+51°	2187	17	7.9	+51	55.7	7.8	✓
64	+52°	2037	17	10.3	+52	27.8	8.3	✓
65	+52°	2043	17	13.4	+52	56.4	7.5	✓
66	+53°	1927	17	11.7	+53	46.7	8.5	✓
67	+53°	1931	17	13.7	+53	32.7	8.6	✓
68	+53°	1934	17	15.4	+53	47.3	8.8	✓
69	+53°	1935	17	15.5	+53	38.4	8.6	✓
70	+53°	1937	17	18.6	+53	30.6	6.0	✓
71	+54°	1871	17	13.5	+54	42.5	8.8	✓
72	+55°	1928	17	14.6	+55	13.1	7.9	✓
73	+56°	1971	17	16.8	+56	19.7	8.0	✓
74	+56°	1974	17	17.4	+56	4.8	7.5	✓
75	+56°	1977	17	19.5	+56	45.4	8.3	✓
76	+57°	1958	17	20.9	+57	8.5	6.3	✓
77	+55°	1933	17	18.3	+55	4.8	8.2	✓
78	+55°	1936	17	21.2	+55	25.1	8.0	✓
79	+54°	1876	17	21.0	+54	29.8	8.6	✓
80	+58°	1645	16	28.7	+58	9.1	8.1	✓
81	+58°	1646	16	28.9	+58	4.4	8.0	✓

cards made out

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Friday, July 5. 1912.
I 37002

Nr.	Int.	Class	Remark
82	7	Q3	
83	4	K0	
84	3	ly	Poor focus.
85	5	F5	
86	4	ly5	
87	3	F0	
88	1	K	
89	1	K2	
90	3	K2	
91	1	ly	Omit unless confirmed.
92	7	ly5	
93	3	Hvb	
94	3	F5	
95	7	ly5	
96	3	F2	
97	5	K0	
98	3	ly5	
99	2	ly3	
100	3	F5	
101	3	ly5	
102	9	Q3	
103	2	ly5	
104	1	ly5	
105	1	F5	
106	6	F5	
107	1	K	
108	2	ly5	

82	+58°	1650	16	33.1	+58	4.3	7.5 ✓
83	+59°	1738	16	33.7	+59	9.5	8.0 ✓
84	+59°	1739	16	33.9	+59	38.2	8.5 ✓
85	+58°	1661	16	37.6	+58	24.0	8.0 ✓
86	+57°	1698	16	38.2	+57	23.8	7.0 ✓
87	+57°	1700	16	41.3	+57	54.2	8.2 ✓
88	+57°	1699	16	39.8	+57	50.5	8.8 ✓
89	+58°	1667	16	42.8	+58	21.0	8.7 ✓
90	+58°	1669	16	43.2	+58	56.2	8.1 ✓
91	+58°	1670	16	44.0	+58	39.3	8.9 ✓
92	+57°	1709	16	45.4	+57	44.6	7.2 ✓
93	+58°	1672	16	46.8	+58	4.8	8.0 ✓
94	+59°	1764	16	47.1	+59	15.1	8.7 ✓
95	+59°	1763	16	46.7	+59	45.2	7.8 +59° 1762 superposed.
96	+60°	1706	16	47.2	+60	22.8	8.0 ✓
97	+60°	1713	16	52.1	+60	36.2	6.8 ✓
98	+59°	1769	16	49.6	+59	33.8	8.0 ✓
99	+59°	1767	16	49.2	+59	47.5	9.0 ✓
100	+59°	1772	16	55.1	+59	43.9	8.1 ✓
101	+58°	1688	16	57.4	+58	48.4	8.0 ✓
102	+58°	1689	16	57.5	+58	40.2	6.8 ✓
103	+57°	1716	16	54.8	+57	24.8 22.4	8.6 ✓
104	+58°	1691	16	58.3	+58	51.8	9.0 ✓
105	+58°	1692	16	59.0	+58	46.6	9.1
106	+58°	1693	16	59.2	+58	45.9	7.0 ✓
107	+58°	1697	17	3.2	+58	54.2	9.0 ✓
108	+59°	1781	17	3.6	+59	7.4	8.5 ✓

cards made out

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Friday, July 5, 1912.

I 37802

No	Int.	Class	Remark
109	6	K0	
110	2	A	
111	7	K5	
112	3	K8	
113	5	K2	
114	2	K0	
115	4	K2	
116	6.5	A2	
117	10	A	E.
118	3	K0	
119	9	A2	
120	4	G	E.
121	4	G	E.
122	4	G	E.
122	3	G5	E.
124	8	K0	
125	3	K0	
126	3	G5	
127	3	K0	
128	7	K5	
129	7	K0	
130	7	K0	
131	4	K0	
132	3	K0	
133	3	K0	
134	2	M0	
135	3	G0	

109	+58°	1698	17	4.9	+58	27.3	6.7	✓
110	+59°	1790	17	7.5	+59	19.8	9.0	✓
111	+58°	1707	17	9.6	+58	8.3	7.0	✓
112	+58°	1711	17	11.2	+58	40.6	8.3	✓
113	+58°	1713	17	12.5	+58	32.7	7.9	✓
114	+58°	1718	17	16.3	+58	30.4	8.7	✓
115	+58°	1720	17	17.3	+58	39.8	8.7	✓
116	+59°	1804	17	18.4	+59	20.0	8.5	✓
117	+60°	1754	17	23.8	+60	10.2	5.5	✓
118	+59°	1813	17	24.4	+59	9.7	8.2	✓
119	+58°	1731	17	23.9	+58	47.7	6.0	✓
120	+59°	1819	17	26.6	+59	9.2	8.0	✓
121	+57°	1766	17	24.7	+57	56.7	8.4	✓
122	+57°	1767	17	25.3	+57	31.8	8.2	✓
123	+57°	1769	17	26.1	+57	13.8	7.8	✓
124	+60°	1728	17	59.5	+60	51.1	6.5	✓
125	+61°	1636	17	2.4	+61	22.1	7.7	✓
126	+60°	1733	17	3.6	+60	46.6	7.6	✓
127	+60°	1735	17	4.6	+60	49.9	7.5	✓
128	+61°	1640	17	6.5	+61	20.1	6.8	✓
129	+60°	1742	17	14.4	+60	52.3	6.7	✓
130	+60°	1743	17	14.8	+60	49.4	6.3	✓
131	+61°	1658	17	22.0	+61	7.7	7.0	✓
132	+59°	1783	17	1.3	+59	46.6	8.8	✓
133	+59°	1734	16	31.5	+59	58.9	8.0	✓
134	+60°	1688	16	32.9	+60	45.8	7.0	✓
135	+59°	1746	16	38.5	+59	19.3	8.2	✓

cards made out

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Friday, July 5, 1912
Ξ37802

Nr.	Int.	Class	Remark
136	2	ly5	
137	4	A0	

Time: 12.33

138	1	K5
139	6	A0
140	3	A3
141	4	K0
142	3	F5
143	2	A0

136	+60°	1697	16	42.2	+60	14.6	8.0	✓
137	+61°	1699	16	42.4	+61	14.3	7.5	✓

Identified by ams July 8, 1912
checked by M. C. W. Sept. 15, 1912
cards made out by M. C. W.

✓	138	+52°	2016	16	55.6	+52	31	8.3	9 m ∫37609
✓	139	+52°	2009	16	52.9	+52	56	6.8	12 " "
✓	140	+53°	1902	16	49.2	+53	11	8.3	46 " "
✓	141	+53°	1897	16	46.0	+53	10	7.0	47 " "
✓	142	+60	1691						78 m ∫37746
	143	+54°	1881	17	24.9	+54	28	8.4	✓

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Friday, July 5, 1912

B 42928 al +

Time 1.08

No.	Dist.	Class	Remark
1	10	B	H/3 bright.
2	8	B3	
3	7	B5	
4	9	B3	
5	6	B3	
6	6	B3	
7	9	B8	Partly superposed on 6.
8	9	B2	
9	5	B5	K line seen distinctly.
10	6	B8	
11	8	B8	
12	4	A0	Another star superposed.
13	3	A0	" " "
14	5	B9	
15	8	B5	Another star superposed ?
16	9	K0	
17	7	A0	
18	9	B9	
19	3	B9	Partly superposed on 18.
20	4	K2	
21	2	K0	
22	10	B3	
23	2	A0	
24	2	A0	
25	4	F8	
26	3	A2	
27	6	A0	

1	− 36°	3715	7	29.3	− 36	8.6	6.0	^ J
2	− 36°	3773	7	34.2	− 36	13.2	6.3	^ J
3	− 37°	3770	7	35.5	− 37	17.2	6.7	^ ✓
4	− 38°	3531	7	35.1	− 38	1.4	5.4	^ ✓
5	− 37°	3767	7	35.3	− 37	50.9	6.6	^ ✓
6	− 37°	3768	7	35.4	− 37	58.9	6.5	^ ✓
7	− 38°	3538	7	35.5	− 38	16.1	8.3	^ J
8	− 38°	3556	7	36.9	− 38	14.1	6.2	^ J
9	− 38°	3564	7	37.6	− 38	13.6	7.1	^ J
10	− 37°	3820	7	39.3	− 37	54.0	7.0	^ ✓
11	− 37°	3841	7	40.1	− 37	38.6	6.8	^ J
12	− 37°	3847	7	40.3	− 37	44.4	7.1	^ − 37° ✓ 3845 Superposed magn. 8.7
13	− 37°	3855 60	7	40.5 6	− 37	51.5 ~~47.9~~	8.6	^ − 37° ✓ 3858 5 Superposed magn. 8.6
14	− 38°	3598	7	39.7	− 38	31.3	7.7	^ ✓
15	− 37°	3861	7	40.6	− 37	35.4	7.3	^ ✓
16	− 37°	3863	7	40.8	− 37	40.2	3.6	^ ✓
17	− 37°	3868	7	41.0	− 37	17.0	6.8	^ J
18	− 37°	3886	7	41.7	− 37	37.3	6.6	^ J
19	− 37°	3890	7	41.9	− 37	35.4	8.5	^ J
20	− 37°	3895	7	42.1	− 37	27.5	7.2	^ J
21	− 37°	3906	7	42.7	− 37	39.8	7.6	^ ✓
22	− 38°	3650	7	43.0	− 38	12.3	5.9	^ ✓
23	− 37°	3914	7	43.1	− 37	42.0	8.5	^ J
24	− 37°	3922	7	43.7	− 37	21.7	8.5	^ ✓
25	− 37°	3939	7	44.4	− 37	53.6	7.5	^ ✓
26	− 38°	3611	7	40.4	− 38	42.9	8.5	^ J
27	− 38°	3565 8 ~~3611~~	7	41.0 9 ~~40.4~~	− 38	2.6 ~~42.9~~	7.4 ~~8.5~~	^ J

Cards made out

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Friday, July 5, 1912.
B 42928

No.	Int.	Class	Remark
28	9	Bg	
29	3	Fz	
30	7	B2	H3 not seen Maybe bright.
31	8	B3	
32	3	Fm	
33	7	B5	
34	4	B8	
35	5	B2	
36	8	K0	
37	4	B9	
38	4	B8	
39	7	B5	
40	5	B3	
41	7	B2	
42	4	B9	
43	10	G5	Burned out
44	4	B2	
45	2	K0	
Time: 1.24	46	2	K5
July 6. 11.00	47	7	A3 E.
	48	3	F E.
	49	5	A5 E.
	50	9	A0
	51	10	B5
	52	2	G5
	53	5	G5
	54	3	B8

28	- 39°	3595	7	42.7	- 39	1.1	6.9	↑ /
29	- 38°	3647	7	42.8	- 38	47.8	7.5	↑ J
30	- 40°	3379	7	39.5	- 40	0.5	7.0	↑ J
31	- 39°	3587	7	42.3	- 39	45.0	7.0	↑ J
32	- 40°	3490	7	43.9	- 40	20.6	6.5	^ /
33	- 40°	3512	7	45.0	- 40	23.1	7.0	↑ /
34	- 40°	3527	7	45.6	- 40	35.6	7.3	^ J
35	- 41°	3385	7	42.9	- 41	11.8 12.9	7.5 7.7	↑ J Succeed for mode.
36	~~- 40°~~	3377	7	39.4	- 40	37.5	5.8	^ (Covered low, out mistake)
37	- 40°	3822	7	37.2	- 40	521.3	7.5	↑ J
38	- 42°	3445	7	38.6	- 42	16.2	7.5	↑ J
39	- 43°	3584 3477	7	41.3 ~~37.4~~	- 43	29.6	6.5 7.8	^ J
40	- 42°	3601	7	47.3	- 42	46.5	6.8	↑ J
41	- 42°	3610	7	47.6	- 42	34.1	6.6	↑ J
42	- 41°	3520	7	49.5	- 41	22.2	7.2	^ J
43	- 40°	3579	7	47.9	- 40	15.0	4.0	↑ J
44	- 40°	3655	7	52.1	- 40	24.0	7.0	↑ J
45	- 40°	3691	7	53.6	- 40	26.3	7.1	↑ /
46	- 42°	3717	7	52.8	- 42	4.2	6.8	↑ J
47	- 37°	3549	7	20.4	- 37	3.3	6.7	^ J
48	- 38°	3363	7	20.3	- 38	1.5	7.5	^ J
49	- 37°	3557	7	20.7	- 37	43.2	7.7	↑ J
50	- 37°	3601	7	24.0	- 37	33.3	6.9	↑ J
51	- 38°	3400	7	24.8	- 38	33.6	5.9	^ V
52	- 37°	3616	7	25.1	- 37	51.8	7.5	↑ J
53	- 37°	3637	7	26.3	- 37	5.3	7.1	^ J
54	- 37°	3680	7	29.6	- 37	2.9	8.0	^ J
						cards	mark	out

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Saturday, July 6, 1912

13 42.928

No.	Int.	Class	Remark
55	6	B9	
56	2	K0	
57	4	K5	
58	3	A0	
59	6	K0	
60	8	A0	
61	4	K0	
62	4	B9	
63	6	B9	
64	3	F0	
65	3	G5	
66	3	A0	
67	2	A	
68	8	B8	
69	2	K0	
70	2	A2	
71	4	A2	
72	2	K2	
73	4	G5	
74	3	A0	
75	3	A3	
76	3	A0	
77	3	B9	
Time: 11:08 78	3	A0	
79			
80			
81			

55	- 37°	3709	7	31.5	- 37	9.8	7.5	1 ✓
56	- 36°	3755	7	32.9	- 36	9.0	7.5	1 ✓
57	- 37°	3736	7	33.3	- 37	43.9	7.0	^ ✓
58	- 38°	3520	7	34.1	- 38	25.6	8.5	1 ✓
59	- 38°	3521	7	34.2	- 38	30.2	7.0	1 ✓
60	- 39°	3463	7	34.1	- 39	43.0	7.0	1 ✓
61	- 39°	3481	7	36.0	- 39	8.0	7.1	1 ✓
62	- 38°	3558	7	36.9	- 38	57.0	8.0	1 ✓
63	- 38°	3575	7	38.2	- 38	53.9	7.5	1 ✓
64	- 38°	3580	7	38.5	- 38	37.2	8.0	1 ✓
65	- 38°	3583	7	38.7	- 38	33.9	7.1	1 ✓
66	- 39°	3531	7	39.5	- 39	38.7	8.3	1 ✓
67	- 39°	3388	7	28.3	- 39	44.4	8.4	1 ✓
68	- 39°	3398	7	29.0	- 39	47.9	6.6	1 ✓
69	- 39°	3407	7	29.7	- 39	38.4	7.0	1 ✓
70	- 39°	3437	7	32.3	- 39	34.8	8.0	1 ✓
71	- 40°	3264	7	32.1	- 40	15.4	7.7	^ ✓
72	- 39°	3444	7	32.7	- 39	54.9	7.2	1 ✓
73	- 40°	3190	7	26.2	- 40	44.0	6.9	1 ✓
74	- 41°	3173	7	30.3	- 41	48.1	7.7	^ ✓
75	- 42°	3338	7	30.4	- 42	7.8	8.1	1 ✓
76	- 42°	3396	7	35.7	- 42	59.5	7.4	^ ✓
77	- 42°	3413	7	36.9	- 42	53.8	7.8	^ ✓
78	- 43°	3471	7	37.4	- 43	20.6	7.8	1 ✓

Identified by AMC. Sept. 20, 1912
Checked Sept. 23 1912 L.H.W.
cards made out by Miss C. W.
Cards checked by E.C.W.

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Saturday, July 6, 1912

Time: 11.15 B 2067 short disp.

No.	Int.	Class	Remark
1	7	A3	
2	4	A3	Another star superposed. Cannot classify.
3	7	K0	
4	45	G5	
5	5	F5	
6	4	K0	
7	4	G0	
8	3	A0	
9	10	G0	
10	3	K0	
11	4	A0	
12	4	K2	
13	7	B9	
14	3	F8	
15	3	F5	
16	4	A3	
17	7	A3	
18	4	A3	
19	9	A2	
20	2	A0	
21	2	K5	
22	2	F2	
23	10+	A	Burned out. Maybe B.
24	6	K0	
25	6	K0	
26	6	F5	
27	2	K0	

1	-40°	2877	6	59.0	-40	10.2	7.4	1 v
2	-40°	2885	6	59.5	-40	15.7	9.0	1 v — 40° 2883 b 59.4 -40 11.7 Magn. 9.5 — outlyer
3	-40°	2896	6 7	0.6	-40	18.2	7.3	1 1
4	-39°	3044	6	59.4	-39	47.3	7.5	1 v
5	-39°	3051	7	0.2	-39	44.2	8.4	1 v
6	-39°	3063	7	1.3	-39	41.2	8.0	1 v
7	-39°	3070	7	1.9	-39	40.2	8.5	1 v
8	-40°	2907	7	1.3	-40	33.0	9.6	1 v
9	-40°	2908	7	1.4	-40	26.7	7.1	1 v
10	-40°	2915	7	2.0	-40	45.4	8.1	1 v
11	-40°	2916	7	2.3	-40	33.9	8.7	1 v
12	-40°	2932	7	3.1	-40	21.0	8.0	1 v
13	-40°	2942	7	3.8	-40	15.2	8.7	1 1
14	-40°	2945	7	4.1	-40	33.4	8.9	1 v
15	-40°	29~~48~~ 56	7	~~3.8~~ 5.3	-40	~~15.2~~ 43.8	~~8.7~~ 9.0	1 v
16	-40°	2964	7	6.0	-40	20.6	8.8	1 v
17	-40°	2967	7	6.2	-40	10.0	8.3	1 v
18	-40°	2966	7	6.1	-40	59.0	8.7	1 v
19	-41°	2865	7	6.6	-41	3.5	7.5	1 v
20	-41°	2862	7	6.3	-41	20.1	9.5	1 v
21	-41°	2870	7	7.3	-41	30.2	8.5	1 v
22	-40°	2980	7	7.7	-40	58.6	9.7	1 v
23	-40°	2987	7	8.1	-40	18.0	5.7	1 J
24	-40°	2990	7	8.4	-40	7.7	8.7	1 1
25	-40°	2993	7	8.8	-40	11.0	8.3	1 v
26	-39°	3163	7	9.0	-39	56.1	8.5	1 v
27	-39°	3166	7	9.1	-39	52.1	9.3	1 v

cards made out

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Saturday, July 6, 1912.

B2067 1 chart disp.

Hr.	Int.	Class	Remark
28	5	K0	
29	1	K0	Partly superposed on 30.
30	3	B9	
31	2	K0	
32	2	Ma	
33	2	F	
34	3	K2	
35	2	G0	
36	2	K2	
37	10	B8	
38	2	G5	
39	4	F5	
40	7	G0	
41	2	G5	
42	6	K0	
43	3	A0	
44	4	G5	
45	3	B9	
46	2	K0	
47	4	B9	
48	4	A2	
49	6	A0	
50	2	G0	
51	2	A0	
52	5	F0	
53	4	F0	
54	2	F0	

28	-39°	3176	7	9.8	-39	59.5	7.7
29	-40°	3001	7	9.3	-40	19.0	9.1
30	-40°	3003	7	9.3	-40	16.0	9.6
31	-40°	2992	7	8.7	-40	36.4	9.1
32	-40°	2998	7	9.2	-40	34.8	9.3
33	-40°	3008	7	10.0	-40	34.8	9.6
34	-40°	3010	7	10.4	-40	42.7	8.9
35	-40°	3009	7	10.1	-40	19.9	9.3
36	-40°	3022	7	10.8	-40	26.1	8.7
37	-40°	3020	7	10.8	-40	56.9	8.0
38	-40°	3035	7	11.9	-40	48.7	8.6
39	-40°	3039	7	12.2	-40	42.1	8.5
40	-40°	3045	7	13.2	-40	25.4	7.5
41	-40°	3048	7	13.5	-40	2.0	8.7
42	-39°	3226	7	14.0	-39	51.0	8.0
43	-39°	3230	7	14.3	-39	57.6	9.0
44	-39°	3238	7	15.1	-39	53.4	9.0
45	-40°	3050	7	15.8	-40	16.4	8.7
46	-39°	3250	7	16.4	-39	55.6	9.0
47	-39°	3243	7	15.9	-39	28.6	9.0
48	-39°	3202	7	12.4	-39	23.2	9.0
49	-39°	3218	7	13.4	-39	17.2	9.3
50	-39°	3211	7	13.0	-39	28.4	9.3
51	-39°	3229	7	14.2	-39	28.4	9.5
52	-39°	3122	7	6.3	-39	23.7	8.5
53	-39°	3126	7	6.4	-39	37.1	8.7
54	-39°	3119	7	6.1	-39	34.0	9.6

Cards made out

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Saturday, July 6, 1912.
13 20 67 11 clear disp.

No.	Int.	Class	Remark
55	2	A	
56	2	F5	
57	1	F8	
58	8	B9	
59	10	A0	
60	4	A2	
61	2	K5	
62	3	A5	
63	5	F0	
64	10	A0	
65	7	G5	E.
66	3	A0	E.
67	3	A5	
68	3	A5	
69	2	Ma	
70	6	A0	
71	4	F0	
72	7	A2	
73	8	K	Partly superposed on 74.
74	10	B8	
75	10+	B	Burned out.
76	2	F2	
77	1	K	
78	4	A0	
79	7	F8	
80	4	G0	
81	2	K0	

55	-39°	3112	7	5.5	-39	38.7	9.6 1 ✓
56	-39°	3138	7	7.2	-39	53.4	9.3 1 ✓
57	-39°	3142	7	7.6	-39	59.3	9.4 1 ✓
58	-39°	3137	7	7.0	-39	3.6	7.9 1 ✓
59	-38°	3283	7	7.1	-38	53.7	7.1 1 ✓
60	-38°	3240	7	7.8	-38	53.8	9.0 1 ✓
61	-39°	3161	7	8.9	-39	18.4	8.8 1 ✓
62	-39°	3153	7	8.4	-39	21.1	9.0 1 ✓
63	-38°	3256	7	9.8	-38	48.7	9.0 1 ✓
64	-38°	3254	7	9.2	-38	16.6	7.5 1 ✓
65	-37°	3380	7	7.9	-37	58.0	7.7 1 ✓
66	-38°	3237	7	7.4	-38	11.5	8.7 1 ✓
67	-38°	3276	7	11.4	-38	35.3	9.0 1 ✓
68	-38°	3275	7	11.2	-38	57.6	9.3 1 ✓
69	-39°	3187	7	11.0	-39	38.0	8.7 1 ✓
70	-38°	3284	7	11.9	-38	38.3	8.6 1 ✓
71	-38°	3286	7	12.1	-38	26.2	9.0 1 ✓
72	-38°	3303	7	13.2	-38	29.5	8.5 1 ✓
73	-38°	3302	7	13.2	-38	40.9	7.1 1 ✓
74	-38°	3301	7	13.2	-38	47.6	7.4 1 ✓
75	-38°	3309	7	14.3	-38	58.9	5.8 1 ✓
76	-38°	3322	7	15.3	-38	45.6	9.2 1 ✓
77	-38°	3327	7	15.7	-38	59.6	9.5 1 ✓
78	-38°	3343	7	17.4	-38	49.5	9.2 1 ✓
79	-38°	3344	7	17.7	-38	42.0	8.0 1 ✓
80	-38°	3347	7	18.0	-38	38.0	8.7 1 ✓
81	-38°	3349	7	18.3	-38	58.0	9.1 1 ✓

cards made out

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Saturday, July 6, 1912.
13 20 67 1 Short drip.

No.	Int.	Class	Remark
82	3	K0	
83	7	A0	
84	3	G0	
85	5	A0	
86	5	B9	Another star superposed.
87	8	K0	
88	5	A0	
89	2	F2	
90	3	F5	
91	3	A0	
92	3	K0	
93	5	F5	
94	4	F0	
95	7	A3	
96	6	F2	
97	4	B9	
98	3	F5	
99	3	F0	
100	9	F2	
101	3	A0	
102	8	A0	
103	2	K0	
104	2	G0	
105	4	A2	
106	3	K2	
107	7	A0	
108	7	F0	

82	-39°	3269	7	18.1	-39	1.6	8.5 1 ↓
83	-39°	3266	7	17.8	-39	14.2	8.4 1 ↓
84	-39°	3268	7	18.0	-39	48.0	8.7 ^ ↓
85	-39°	3277	7	18.5	-39	43.5	9.3 1 ↓
86	-39°	3281	7	19.2	-39	35.5	8.9 1 ↓
87	-39°	3284	7	19.6	-39	17.2	7.5 1 ↓
88	-39°	3294	7	20.3	-39	19.6	8.7 1 ↓
89	-39°	3292	7	20.1	-39	28.5	9.3 1 ↓
90	-39°	3295	7	20.4	-39	28.5	8.5 1 ↓
91	-39°	3310	7	20.8	-39	32.5	9.4 1 ↓
92	-39°	3283	7	19.6	-39	50.5	9.7 1 ↓
93	-40°	3109	7	18.8	-40	29.0	8.5 1 ↓
94	-40°	3110	7	18.8	-40	41.4	8.9 ^ ↓
95	-40°	3125	7	20.0	-40	37.8	8.5 1 ↓
96	-40°	3128	7	19.9	-40	51.1	8.7 1 ↓
97	-40°	3123	7	19.9	-40	13.1	8.9 1 ↓
98	-40°	3132	7	20.6	-40	6.6	8.9 1 ↓
99	-40°	3134	7	20.8	-40	13.6	8.9 1 ↓
100	-40°	3136	7	21.2	-40	54.7	7.8 1 ↓
101	-40°	3139	7	21.4	-40	56.9	9.4 ^ ↓
102	-40°	3158	7	23.0	-40	48.0	8.5 1 ↓
103	-40°	3161	7	23.4	-40	41.0	8.7 1 ↓
104	-40°	3163	7	23.6	-40	46.7	8.6 ^ ↓
105	-40°	3164	7	23.6	-40	16.6	8.5 ^ ↓
106	-39°	3359	7	22.2	-39	18.6	8.3 ^ ↓
107	-39°	3319	7	22.8	-39	35.4	8.8 1 ↓
108	-39°	3342	7	23.2	-39	33.4	8.3 ^ ↓

Cards made out

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Saturday, July 6, 1912.
13 30 67 short disp.

No.	Int.	Class	Remark
109	3	K0	
110	3	A2	
111	3	A3	
112	5	F5	
113	6	F5	
114	2	A0	
115	4	K0	
116	3	A	E.
117	6	K0	
118	3	F	E.
119	3	K0	
120	3	A2	
121	8	K0	
122	9	A	Burned out.
123	2	K2	
124	10	B	Burned out
125	2	F	
126	2	F	
127	4	F0	
128	1	F	
129	3	F5	
130	2	A0	
131	6	K0	
132	4	A0	
133	2	F0	
134	2	F0	
135	6	A0	

109	- 39°	3333	7	23.8	- 39	47.0	8.4
110	- 39°	3323	7	23.3	- 39	8.6	9.0
111	- 38°	3392	7	23.8	- 38	56.9	8.7
112	- 39°	3336	7	24.3	- 39	11.6	8.3
113	- 38°	3375	7	21.6	- 38	31.6	8.3
114	- 38°	3376	7	21.7	- 38	45.5	9.3
115	- 38°	3386	7	23.0	- 38	50.4	8.6
116	- 38°	3397	7	24.4	- 38	7.8	9.0
117	- 40°	2831	6	55.8	- 40	49.8	7.1
118	- 41°	2717	6	55.6	- 41	23.9	8.5
119	- 41°	2725	6	56.5	- 41	12.8	8.0
120	- 41°	2727	6	56.6	- 41	30.5	8.3
121	- 40°	2838	6	56.8	- 40	46.3	7.5
122	- 40°	2843	6	57.0	- 40	36.8	7.1
123	- 40°	2846	6	57.1	- 40	54.1	9.0
124	- 40°	2856	6	57.7	- 40	43.3	7.2
125	- 40°	2860	6	57.8	- 40	13.2	9.0
126	- 41°	2742	6	58.2	- 41	2.8	9.4
127	- 41°	2744	6	58.3	- 41	25.4	8.6
128	- 41°	2754	6	58.9	- 41	3.8	9.0
129	- 40°	2882	6	59.4	- 40	55.8	8.7
130	- 40°	2888	6	59.6	- 40	49.0	9.4
131	- 41°	2771	6	59.8	- 41	1.0	7.5
132	- 40°	2894	7	0.4	- 40	48.7	9.0
133	- 40°	2897	7	0.6	- 40	33.2	9.3
134	- 40°	2891	7	0.4	- 40	32.7	9.7
135	- 41°	2794	7	1.5	- 41	2.4	8.5

Can do much more

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No.	Int.	Class	Remark
136	3	F5	
137	4	A5	
138	2	F2	
139	2	A2	
140	3	B9	
141	2	K0 K5	
142	2	K0	
143	2	K0	
144	3	K2	
145	2	A0	
146	5	A0	
147	2	A0	
148	5	A0	
149	2	G5	
150	4	B9	
151	3	F5	
152	2	G5	
153	2	G0	
154	1	G0	
155	1	K	
156	7	B5	
157	3	F5	
158	10	A	
159	5	K0	
160	9	B8	
161	3	K0	
162	4	K0	

136	-41°	2770	6	59.7	-41	14.2	9.6
137	-41°	2768	6	54.5	-41	17.7	8.6
138	-41°	2755	6	58.9	-41	20.4 ~~20.8~~	9.0
139	-41°	2799	7	2.1	-41	17.1	9.5
140	-41°	2802	7	2.3	-41	16.7	9.3
141	~~-39°~~ -40	2934	7	3.2	~~-39~~ -40	55.1	9.3
142	-41°	2816	7	3.2	-41	47.2	8.9
143	-41°	2833	7	4.3	-41	42.7	9.0
144	-42°	2980	7	3.7	-42	7.2	9.2
145	-42°	2998	7	5.2	-42	3.2	9.8
146	-42°	3003	7	5.7	-42	7.8	9.4
147	-42°	3008	7	6.1 ~~5.4~~	-42	29.1 ~~54.1~~	9.8
148	-42°	3014	7	6.5	-42	34.9	9.3
149	-41°	2883	7	8.4	-41	54.1	8.8
150	-41°	2891	7	9.4	-41	51.3	9.4
151	-41°	2897	7	9.8	-41	28.1	8.5
152	-41°	2884	7	8.7	-41	15.6	9.4
153	-42°	3048	7	9.6	-42	2.1	9.6
154	-42°	3059	7	10.4	-42	0.1	9.8
155	-41°	2905	7	10.6	-41	53.5	9.1
156	-42°	3064	7	10.6	-42	0.0	8.5
157	-42°	3070	7	10.9	-42	12.9	9.6
158	-41°	2915	7	11.4	-41	51.6	7.1
159	-41°	2919	7	11.6	-41	56.1	7.5
160	-41°	2923	7	11.9	-41	54.6	7.6
161	-42°	3092	7	12.2	-42	7.6	9.0
162	-41°	2932	7	12.6	-41	56.1	8.5

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Hr.	Int.	Class	Remark
163	4	F8	
164	2	F5	
165	3	F5	
166	7	F8	
167	1	K	
168	4	Ly5	
169	4	K0	
170	1	G	Partly superposed on 171.
171	4	F8	
172	2	A0	
173	3	A0	
174	6	A0	
175	3	A0	
176	3	Ly5	
177	4	K0	
178	6	A2	
179	2	A	
180	5	G?	Too much superposed on 181.
181	8	F8?	Look up on long disp.
182	2	F5	
183	2	F2	
184	6	K0	
185	8	K2	
186	1	K	
187	2	Ly0	
188	2	A0	
189	4	A0	

163	−41°	2911	7	11.3	−41	22.9	9.2 1 v
164	−41°	2926	7	12.0	−41	28.7	9.7 1 v
165	−41	2931	7	12.2	−41	35.7	9.3 1 v −41 2930 7 12.2 −41 35.2 superposed magn. 10.0
166	−41°	2943	7	13.1	−41	10.0	8.3 1 v
167	−41°	2942	7	13.1	−41	57.6	8.5 1 v
168	−41°	2948	7	13.5	−41	54.5	8.6 1 v
169	−41°	2961	7	14.4	−41	43.6	7.9 1 v
170	−41°	2963	7	14.6	−41	14.7	9.5 1 v
171	−41°	2967	7	14.8	−41	15.6	9.3 1 v −41 2968 7 14.8 −41 14.6 9.7 superposed.
172	−41°	2976	7	15.2	−41	7.6	9.8 1 v
173	−41°	2981	7	15.5	−41	19.0	9.1 1 v
174	−41°	2983	7	15.7	−41	21.9	8.3 1 v
175	−41°	2977	7	15.3	−41	33.0	9.4 1 v
176	−42°	3123	7	14.6	−42	14.1	8.7 1 v
177	−42°	3127	7	14.8	−42	12.8	8.0 1 v
178	−42°	3157	7	17.0	−42	34.3	8.8 1 v
179	−42°	3160	7	17.1	−42	5.3	9.7 1 v
180	−41°	3007	7	17.3	−41	42.9	8.7 1 v
181	−41°	3006	7	17.3	−41	45.0	7.5 1 v
182	−41°	3004	7	17.2	−41	13.6	9.3 1 v
183	−41°	2999	7	16.9	−41	10.7	9.6 1 v
184	−40°	3094	7	17.0	−40	56.9	7.8 1 v
185	−40°	3058	7	14.1	−40	34.4	8.5 1 v
186	−41°	3013	7	17.9	−41	35.3	9.0 1 v
187	−41°	3016	7	18.0	−41	32.6	9.5 1 v
188	−41°	3019	7	18.4	−41	19.6	9.8 1 v
189	−41°	3034	7	19.5	−41	38.3	9.7 1 v

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No.	Int.	Class	Remark
190	4	K0	
191	2	K0	
192	2	K5	
193	4	K5	
194	8	A2	
195	7	K5	
196	7	B8	
197	7	B8	
198	3	A3	
199	5	K0	
200	3	K2	
201	5	A2	
202	3	F0	
203	4	K2	
204	4	A2	
205	7	A2	
206	5	K2	
207	2	A2	
208	3	G5	
209	1	G	
210	2	F0	
211	7	A2	
212	3	G0	
Time: 11.55 213	3	A0	

Cont. in Bk 48, 48

190	−41°	3036	7	19.5 − 41	27.1	8.3	∧ ∨
191	−41°	3050	7	20.6 − 41	25.5	9.3	∧ ∨
192	−42°	3213	7	20.6 − 42	8.5	9.1	∧ ∨
193	−42°	3220	7	21.3 − 42	14.3	8.6	∧ ∨
194	−41°	3059	7	21.5 − 41	51.7	9.4	∧ ∨
195	−41°	3066	7	21.9 − 41	51.1	7.3	∧ ∨
196	−41°	3072	7	22.4 − 41	45.2	8.3	∧ ∨
197	−41°	3077	7	22.9 − 41	22.5	8.0	∧ ∨
198	−41°	3088	7	23.9 − 41	4.9	8.7	∧ ∨
199	−41°	3091	7	24.1 − 41	15.6	8.0	∧ ∨
200	−41°	3099	7	24.6 − 41	35.2	8.3	∧ ∨
201	−41°	3100	7	24.8 − 41	45.5	9.0	∧ ∨
202	−41°	3084	7	23.6 − 41	53.6	9.4	∧ ∨
203	−42°	3239	7	22.7 − 42	0.0	8.5	∧ ∨
204	−42°	3236	7	22.6 − 42	58.1	9.7	∧ ∨
205	−42°	3255	7	23.9 − 42	10.1	8.7	∧ ∨
206	−42°	3245	7	23.1 − 42	56.0	8.3	∧ ∨
207	−42°	3250	7	23.6 − 42	45.7	9.7	∧ ∨
208	−42°	3269	7	25.0 − 42	54.4	9.1	∧ ∨
209	−42°	3275	7	25.4 − 42	43.2	9.5	∧ ∨
210	−42°	3271	7	25.2 − 42	12.1	10	∧ ∨
211	−42°	3289	7	26.2 − 42	4.4	8.7	∧ ∨
212	−41°	3104	7	25.1 − 41	37.5	9.1	∧ ∨
213	−41°	3112	7	25.7 − 41	35.2	9.6	∧ ∨
~~214~~							
~~215~~							

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

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