



51





Wednesday Sept. 16, 1912

Time 11.30

B 40711 short.

No	Dist	Class	Remarks
1	6	B <sub>5</sub>	
2	5	B <sub>9</sub>	
3	3	B <sub>8</sub>	
4	3	A <sub>0</sub>	
5	3	B <sub>9</sub>	
6	4	K <sub>0</sub>	
7	3	K <sub>0</sub>	
8	21	B:	Nearly all superimposed on 7
9	4	A <sub>0</sub>	
10	4	A <sub>0</sub>	
11	21	A <sub>0</sub>	
12	21	A <sub>2</sub>	
13	3	A <sub>2</sub>	
14	5	A <sub>0</sub>	
15	21	A <sub>0</sub>	
16	3	A	Too much superimposed on 17
17	3	A <sub>0</sub>	
18	1	K	
19	3	B <sub>5</sub>	
20	4	B <sub>9</sub>	
21	3	A <sub>0</sub>	
22	21	B <sub>9</sub>	
23	21	B <sub>8</sub>	
24	5	B <sub>9</sub>	Another star superimposed
25	1	A	
26	1	A	
27	1	B <sub>5</sub>	

1	-23°	14382 18	20.5	-23	3.8	7.3	1✓
2	-23°	14366 18	19.1	-23	29.9	8.0	1✓
3	-23°	14362 18	18.9	-23	24.6	9.3	1✓
4	-23°	14360 18	18.5	-23	32.8	8.9	1✓
5	-23°	14353 18	18.2	-23	17.8	9.2	1✓
6	-23°	14351 18	18.2	-23	9.1	7.9	1✓
7	-23°	14344 18	17.6	-23	2.8	8.5	1✓
8	-23°	14343 18	17.5	-23	1.2	9.3	1✓
9	-23°	14334 18	17.1	-23	10.1	9.1	1✓
10	-22°	4719 18	17.5	-22	44.2	9.4	1✓ magn. 9.8 4720 superimposed
11	-22°	4715 18	16.5	-22	35.0	9.5	1✓
12	-22°	4714 18	15.4	-22	16.1	9.6	1✓
13	-22°	4718 18	16.9	-22	5.0	9.3	1✓
14	-21°	4989 18	16.6	-21	48.6	9.1	1✓
15	-21°	4982 18	16.0	-21	52.0	9.6	1✓
16	-21°	4980 18	15.8	-21	58.5	9.2	1✓
17	-21°	4981 18	15.9	-21	55.1	9.2	1✓
18	-21°	4978 18	15.4	-21	53.1	9.5	1✓
19	-22°	4709 18	15.2	-22	6.7	8.6	1✓
20	-21°	4976 18	15.1	-21	59.2	9.0	1✓
21	-22°	4708 18	15.2	-22	20.8	9.2	1✓
22	-22°	4710 18	15.6	-22	22.9	9.6	1✓
23	-22°	4707 18	15.0	-22	46.4	10	1✓
24	-23°	14318 18	15.9	-23	7.2	9.0	1✓ magn. 9.8 14319 superimposed
25	-23°	14326 18	16.6	-23	5.8	9.4	1✓
26	-23°	14322 18	16.3	-23	18.8	9.8	1✓
27	-23°	14320 18	16.1	-23	22.5	9.0	1✓

Cards made out



Wednesday Sept. 18, 1912

B 40711 Hunt

No.	Int.	class	Remark
28	4	Bg	
29	4	Bg	
30	4	Ko	
31	8	Qo	
32	6	Q3	Amber star suspended
33	3	Ko	
34	2	+	
35	3	Bo	
36	2	Ko	
37	2	Qo	
38	3	Fo	
39	1	K	
40	4	Q2	
41	2	Ko	
42	4	Qo	
43	4	Qo	
44	2	Qo	
45	1	K2	
46	6	Bg	
47	1	Ko	
48	3	Bg	
49	2	Bg	
50	2	B	
51	2	Qg	
52	3	Bg	
53	5	K5	
54	4	K2	

28	-22°	4702	18	14.3	-22	40.5	9.1	✓
29	-22°	4700	18	14.3	-22	21.0	9.0	✓
30	-22°	4695	18	13.4	-22	17.9	7.8	✓
31	-22°	4694	18	13.3	-22	21.3	7.8	✓
32	-22°	4692	18	13.2	-22	4.6	8.4	✓
33	-21°	4974	18	14.9	-21	43.8	8.3	✓
34	-21°	4975	18	14.9	-21	36.8	9.4	✓
35	-21°	4969	18	14.1	-21	38.7	8.5	✓
36	-21°	4966	18	13.8	-21	26.4	9.0	✓
37	-21°	4964	18	13.4	-21	26.2	9.4	✓
38	-21°	4963	18	13.3	-21	8.9	9.1	✓
39	-21°	4961	18	12.6	-21	25.9	9.1	✓
40	-21°	4954	18	11.6	-21	32.4	9.3	✓
41	-21°	4952	18	11.5	-21	33.3	9.2	✓
42	-21°	4953	18	11.5	-21	20.5	9.1	✓
43	-21°	4950	18	11.2	-21	47.1	9.2	✓
44	-21°	4949	18	11.1	-21	54.7	9.5	✓
45	-21°	4946	18	10.8	-21	35.9	9.2	✓
46	-21°	4943	18	10.2	-21	30.6	8.9	✓
47	-21°	4947	18	10.4	-21	22.2	9.4	✓
48	-21°	4945	18	10.3	-21	21.2	9.3	✓
49	-21°	4942	18	10.1	-21	17.5	9.2	✓
50	-22°	4660	18	9.8	-22	4.2	9.2	✓
51	-22°	4659	18	9.7	-22	1.1	9.4	✓
52	-22°	4656	18	9.5	-22	3.1	9.1	✓
53	-22°	4655	18	9.2	-22	23.1	8.2	✓
54	-22°	4653	18	9.2	-22	20.2	8.3	✓

cards made out

Wednesday Sept. 18, 1912

B 40711

No.	Int.	Class	Remark
55	7	Q8	
56	2	Qo	
57	3	Q8	
58	2	Qo	
59	2	Qo	
60	2	Qg	
61	2	Qo	
62	2	Qs	
63	2	Qo	
64	4	Q8	
65	2	Qo	
66	3	Q8	
67	2	Qg	
68	4	Qs	
69	4	Ko	
70	3	Qs	
71	2	Ko	
72	1	K	
73	5	Qo	
74	4	Qg	
75	4	Ko	
76	2	Q8	
77	3	Q	Another star partly superposed
78	2	Q	Partly superposed on 77
79	6	Q8	
80	2	Qs	
81	2	Qo	

55	-22°	4693	18	13.3	-22	59.3	7.2	1✓
56	-22°	4686	18	12.7	-22	51.6	9.5	1✓
57	-22°	4684	18	12.3	-22	58.6	9.7	1✓
58	-23°	4687	18	12.8	-22	23.0	9.8	1✓
59	-21°	4958	18	12.4	-21	59.2	9.7	1✓
60	-21°	4959	18	12.5	-21	52.3	9.5	1✓
61	-21°	4962	18	13.3	-21	46.2	9.3	1✓
62	-21°	4960	18	12.6	-21	42.7	9.2	1✓
63	-22°	4682	18	12.0	-22	5.1	9.6	1✓
64	-22°	4678	18	11.7	-22	12.8	9.2	1✓
65	-22°	4676	18	11.4	-22	14.1	9.3	1✓
66	-22°	4672	18	11.2	-22	25.2	9.4	1✓
67	-22°	4679	18	11.8	-22	32.4	9.5	1✓
68	-22°	4670	18	10.9	-22	35.0	9.0	1✓
69	-22°	4664	18	10.5	-22	47.1	8.5	1✓
70	-22°	4665	18	10.7	-22	24.5	9.2	1✓
71	-22°	4668	18	10.9	-22	8.9	9.0	1✓
72	-22°	4667	18	10.8	-22	0.0	9.4	1✓
73	-22°	4661	18	9.8	-22	35.8	9.8	1✓
74	-22°	4662	18	10.2	-22	59.5	9.4	✓
75	-23°	14212	18	11.3	-23	6.7	8.7	1✓
76	-23°	14208	18	11.2	-23	1.2	9.6	1✓
77	-23°	14201	18	10.8	-23	5.2	9.2	1✓
78	-22°	4658	18	9.7	-22	58.4	9.8	✓
79	-23°	14187	18	10.2	-23	19.0	8.1	1✓
80	-23°	14197	18	10.7	-23	30.8	9.1	1✓
81	-23°	14196	18	10.7	-23	20.3	9.6	1✓

Considered a  
double star  
but will doubt  
be used.

cards made out.

Wednesday Sept. 18, 1912

B 42711 shorts

No	Int	Class	Remark
82	2	Bq	
83	5	Qo	
84	2	Qo	
85	3	Bq	
86	1	K	
87	7	to	
88	20	Bq	
89	3	Qo	
90	1	K	
91	3	As	
92	20	Bq	
93	1	A	
94	6	Qo	
95	4	As	
96	1	Q	
97	3	Qo	
98	3	Bq	
99	7	Bq	
100	2	As	
101	2	to	
102	3	Bq	
103	3	Bq	
104	4	As	
105	3	Qo	
106	3	Bq	
107	2	Bq	
108	20	Bq	

82	-23°	14195	18	10.5	-23	41.7	9.1	✓
83	-23°	14184	18	10.0	-23	37.7	8.7	✓
84	-23°	14180	18	9.9	-23	56.1	9.4	✓
85	-24°	14124	18	9.5	-24	1.2	9.4	✓
86	-24°	14117	18	9.1	-24	2.6	9.1	✓
87	-23°	14153	18	8.9	-23	56.1	7.6	✓
88	-23°	14176	18	9.8	-23	25.5	9.3	✓
89	-23°	14168	18	9.5	-23	15.0	9.3	✓
90	-23°	14164	18	9.4	-23	19.8	9.4	✓
91	-23°	14155	18	9.0	-23	15.0	8.6	✓
92	-23°	14161	18	9.2	-23	0.7	9.4	✓
93	-23°	14145	18	8.4	-23	4.2	9.5	✓
94	-23°	14132	18	7.9	-23	9.1	8.6	✓
95	-23°	14137	18	8.2	-23	51.1	8.4	✓
96	-23°	14133	18	7.9	-23	46.4	9.7	✓
97	-24°	14093	18	7.7	-24	0.1	9.2	✓
98	-24°	14097	18	7.8	-24	9.9	9.5	✓
99	-24°	14088	18	7.5	-24	1.9	8.3	✓
100	-23°	14124	18	7.4	-23	56.1	8.9	✓
101	-23°	14118	18	7.2	-23	48.1	9.3	✓
102	-23°	14107	18	6.7	-23	42.0	8.9	✓
103	-23°	14112	18	6.9	-23	25.4	9.1	✓
104	-23°	14119	18	7.2	-23	4.7	9.0	✓
105	-23°	14114	18	7.1	-23	9.2	9.5	✓
106	-22°	4638	18	6.6	-22	46.8	9.1	✓
107	-22°	4634	18	6.3	-22	38.2	9.1	✓
108	-22°	4633	18	6.3	-22	38.8	9.3	✓

Plumrose errors in C.D.  
 Errors very slight  
 in dec - not  
 necessary to  
 make note  
 of them

Cards made out



Wednesday Sept. 18, 1912

B 407 11 short.

Mo. Int. class Remark

109	4	B5	
110	3	K5	
111	2	A0	
112	2	A0	
113	1	K2	
114	1	K0	
115	1	A	
116	2	B8	
117	2	B9	
118	3	K5	
119	3	K0	
120	4	B8	
121	2	F0	
122	3	A0	
123	1	A	
124	7	K0	
125	4	A3	
126	3	K5	
127	3	A0	
128	2	B9	
129	4	A0	
130	1	A	
131	4	B	Lines very faint. Probably B0 or O9.5
132	3	K2	
133	7	F5	
134	3	K2	
135	3	A0	

109	-22°	4635	18	6.3	-22	28.5	9.0	1✓
110	-22°	4648	18	8.4	-22	12.7	8.5	1✓
111	-21°	4983	18	8.2	-21	56.4	9.3	1✓
112	-21°	4982	18	8.0	-21	59.3	9.8	1✓
113	-22°	4643	18	7.6	-22	4.4	9.0	1✓
114	-22°	4644	18	7.7	-22	17.3	9.4	1✓
115	-22°	4640	18	7.3	-22	35.1	9.6	1✓
116	-21°	4928	18	7.5	-21	57.5	9.7	1✓
117	-22°	4637	18	6.6	-22	8.7	9.4	1✓
118	-22°	4631	18	6.1	-22	2.6	8.6	1✓
119	-22°	4630	18	6.0	-22	3.8	9.1	1✓
120	-21°	4919	18	6.0	-21	52.5	9.1	1✓
121	-21°	4917	18	6.0	-21	45.8	9.1	1✓
122	-21°	4920	18	6.0	-21	40.1	9.2	1✓
123	-21°	4922	18	6.4	-21	38.9	9.8	1✓
124	-21°	4916	18	5.6	-21	44.8	6.3	1✓
125	-21°	4910	18	5.2	-21	51.1	9.0	1✓
126	-21°	4903	18	4.5	-21	44.7	8.8	1✓
127	-22°	4618	18	4.6	-22	4.1	9.0	1✓
128	-22°	4621	18	4.7	-22	15.7	9.3	1✓
129	-22°	4613	18	4.2	-22	29.2	9.1	1✓
130	-22°	4622	18	4.8	-22	23.4	9.3	1✓
131	-22°	4619	18	4.7	-22	44.9	8.3	1✓
132	-22°	4616	18	4.6	-22	51.4	8.8	1✓
133	-23°	14072	18	5.5	-23	8.7	7.4	1✓
134	-23°	14066	18	5.2	-23	36.0	8.7	1✓
135	-23°	14088	18	6.0	-23	43.3	9.3	1✓

cards made out.

Wednesday Sept. 18, 1912

B417 W. shot.

No.	Det.	Class	Remarks
136	2	As	Partly superseded on 135
137	3	B8	
138	3	B9	Partly superseded on 139
139	3	B8	
140	3	B9	
141	10	K	
142	4	B5	
143	4	K0	
144	4	F5	
145	3	B9	
146	6	B5	
147	2	B8	
148	5	B	After rain superseded
149	6	As	
150	3	K0	
151	7	B0	
152	1	K	
153	2	B?	Almost cont. Hd rem. Many to Os
154	2	K5	
155	2	B8	
156	4	B8	
157	2	B8	
158	3	B6	
159	2	K5	
160	2	K5	
161	2	K2	
162	4	As	

136	-23°	14094	18	6.1	-23	39.0	9.4	1✓
137	-24°	14030	18	4.4	-24	8.4	9.4	1✓
138	-24°	14019	18	4.0	-24	5.2	9.3	1✓
139	-24°	14024	18	4.1	-24	0.9	9.2	1✓
140	-23°	14051	18	4.3	-23	52.3	9.0	1✓
141	-23°	14047	18	4.1	-23	43.3	5.7	1✓
142	-23°	14017	18	2.9	-23	56.4	8.6	1✓
143	-23°	14033	18	3.5	-23	22.3	8.3	1✓
144	-23°	14016	18	2.9	-23	35.3	8.5	1✓
145	-23°	14012	18	2.7	-23	26.2	9.0	1✓
146	-23°	14005	18	2.5	-23	47.7	8.5	1✓ magn. 9.0 -23° 14006 superseded
147	-23°	14004	18	2.4	-23	39.3	9.6	1✓
148	-23°	<del>13998</del> 13997	<del>18</del> 18	<del>2.2</del> 2.1	<del>-23</del> -23	<del>40.0</del> 42.2	<del>8.7</del> 8.9	1✓ magn. 8.8 -23° 13997 superseded
149	-23°	13991	18	2.0	-23	35.0	8.2	1✓
150	-23°	14001	18	2.2	-23	26.9	8.4	1✓
151	-24°	13962	18	1.7	-24	0.9	7.8	1✓
152	-23°	13994	18	2.0	-23	56.7	8.8	1✓
153	-24°	13984	18	2.3	-24	7.9	9.1	1✓
154	-24°	13975	18	2.0	-24	43.4	8.5	1✓
155	-24°	13961	18	1.7	-24	50.4	9.3	1✓
156	-24°	13971	18	1.9	-24	41.0	8.8	1✓
157	-24°	13960	18	1.6	-24	43.0	9.6	1✓
158	-24°	13963	18	1.7	-24	32.6	9.4	1✓
159	-24°	13950	18	1.2	-24	22.4	8.9	1✓
160	-24°	13935	18	0.6	-24	26.0	9.3	1✓
161	-24°	13912	17	59.6	-24	16.9	9.1	1✓
162	-24°	13903	17	59.4	-24	20.4	9.2	1✓

cash made out.

Wednesday, Sept. 18, 1912

B40711

No.	Int.	Class	Remarks
163	6	B <sub>9</sub>	
164	5	K <sub>0</sub>	Auricular stars superposed?
Time 12.04	165	2	A <sub>0</sub> Partly superposed NW 166
Thursday	<del>166</del>		
Sept. 19, 1912			
Time 9.40	166	7	A <sub>3</sub> Lines narrow.
167	3	B <sub>9</sub>	
168	8	B <sub>5</sub>	
169	7	B <sub>8</sub>	
170	2	F <sub>2</sub>	
171	3	A <sub>0</sub>	
172	3	A <sub>2</sub>	
173	4	B <sub>9</sub>	
174	7	F <sub>0</sub>	
175	4	B <sub>0</sub>	
176	4	A <sub>0</sub>	
177	3	B <sub>8</sub>	
178	4	A <sub>1</sub>	
179	3	K <sub>0</sub>	
180	1	A	
181	5	K <sub>5</sub>	
182	2	K <sub>5</sub>	
183	3	A <sub>0</sub>	
184	3	K <sub>5</sub>	
185	7	A <sub>0</sub>	
186	1	B <sub>3</sub>	
187	10	F <sub>0</sub>	

163	-24°	13898	17	58.8	-23	10.0	9.0	✓	
164	-23°	13908	17	58.9	-23	57.4	8.3	✓	mag. 9.7
165	-24°	13879	17	58.4	-24	19.4	9.5	✓	-23° 13906 superposed
166	-24°	13880	17	58.4	-24	12.4	8.2	✓	
167	-24°	13869	17	57.9	-24	12.4	9.4	✓	
168	-24°	13864	17	57.5	-24	23.7	7.5	✓	
169	-24°	13853	17	57.3	-24	41.2	8.1	✓	
170	-24°	13834	17	56.8	-24	42.4	9.3	✓	
171	-24°	13818	17	56.4	-24	53.0	9.4	✓	mag. 9.7 superposed
172	-25°	12659	17	56.8	-25	4.7	9.3	✓	
173	-25°	12668	17	57.0	-25	12.3	9.5	✓	
174	-25°	12669	17	57.1	-25	37.7	7.5	✓	
175	-25°	12649	17	56.2	-25	40.1	8.7	✓	
176	-25°	12648	17	56.2	-25	33.4	9.3	✓	
177	-25°	12650	17	56.3	-25	29.1	9.4	✓	
178	-25°	12642	17	56.0	-25	18.7	9.0	✓	
179	-25°	12632	17	55.7	-25	16.4	9.1	✓	
180	-25°	12606	17	54.8	-25	14.6	9.5	✓	
181	-24°	13775	17	54.6	-24	51.6	8.1	✓	
182	-25°	12595	17	54.4	-25	0.8	9.0	✓	
183	-24°	13770	17	54.2	-24	39.2	9.5	✓	Paints erroneously in Col. P.A. not 54.2
184	-24°	13753	17	53.7	-24	37.2	8.6	✓	
185	-24°	13744	17	53.2	-24	46.3	8.7	✓	
186	-24°	13743	17	53.0	-24	39.3	8.8	✓	
187	-24°	13793	17	55.2	-24	16.7	5.9	✓	

Cards made out.



Thursday Sept. 19, 1912

B40711 Unit,

M. Int. class Remarks

188	8	B3	
189	3	A0	
190	20	A0	Partly superposed on 189
191	1	A	Partly superposed on 189
192	4	K0	
193	3	A0	
194	7	B8	
195	6	B8	
196	7	B5	
197	8	K0	
198	20	K2	
199	3	A	Focus from at line K. maybe Q <sup>3</sup>
200	5	B9	
201	4	B8	
202	20	B9	
203	1	K	
204	20	A0	
205	20	K0	
206	7	B9	
207	20	K0	
208	20	B9	
209	3	B1	Almost cent.
210	5	K0	
211	3	B9	
212	20	B9	
213	20	A0	
214	6	K0	

188	-24°	13783	17	55.0	-24	14.7	8.3	✓	-24° 13785 9.0 superposed.
189	-24°	13787	17	55.0	-24	33.0	9.3	✓	
190	-24°	13780	17	54.9	-24	35.8	9.3	✓	
191	-24°	13791	17	55.2	-24	31.9	9.4	✓	
192	-24°	13787	17	54.2	-24	20.9	8.5	✓	-24° 13785 8.3 superposed
193	-24°	13735	17	53.7	-24	18.9	9.0	✓	
194	-24°	13765	17	54.2	-24	8.4	8.5	✓	
195	-24°	13749	17	53.4	-24	7.9	8.7	✓	
196	-24°	13745	17	53.2	-24	11.9	8.3	✓	
197	-24°	13736	17	52.5	-24	16.3	7.2	✓	
198	-24°	13725	17	51.8	-24	17.9	7.4	✓	
199	-24°	13715	17	51.5	-24	24.6	9.2	✓	
200	-21°	4904	18	4.5	-21	17.3	8.5	✓	
201	-21°	4900	18	4.0	-21	1.3	8.7	✓	
202	-20°	6869	18	5.3	-20	55.0	9.4	✓	
203	-20°	5034	18	4.4	-20	43.3	9.3	✓	
204	-20°	5028	18	3.6	-20	43.5	9.7	✓	
205	-21°	4894	18	3.5	-21	15.7	9.2	✓	
206	-21°	4898	18	3.8	-21	29.9	9.6	✓	
207	-21°	4891	18	3.1	-21	27.7	9.3	✓	
208	-21°	4889	18	2.8	-21	22.5	9.7	✓	
209	-22°	4605	18	3.0	-22	7.6	9.1	✓	
210	-22°	4597	18	2.0	-22	15.6	8.0	✓	
211	-22°	4599	18	2.1	-22	55.7	9.2	✓	
212	-23°	14003	18	2.3	-23	4.2	9.7	✓	
213	-23°	13984	18	1.8	-23	5.5	9.3	✓	
214	-23°	4585	18	0.5	-23	54.9	8.6	✓	

Cards made out.

Thursday Sept. 19, 1912

B40711 West

No. Int. Class Remark

215	7	B <sub>8</sub>	
216	3	B <sub>5</sub>	
217	2	B <sub>9</sub>	
218	7	B <sub>9</sub>	
219	7	B <sub>3</sub>	
220	2	X <sub>0</sub>	
221	3	F <sub>5</sub>	
222	3	B <sub>9</sub>	
223	1	A	
224	2	F <sub>5</sub>	
225	3	B <sub>9</sub>	
226	2	Q <sub>3</sub>	
227	1	G	
228	3	G <sub>0</sub>	
229	5	B <sub>3</sub>	
230	4	B <sub>5</sub>	
231	4	B <sub>8</sub>	
232	3	Q <sub>3</sub>	
233	2	X <sub>2</sub>	
234	1	K	
235	5	B <sub>9</sub>	
236	6	B <sub>9</sub>	
237	2	Q <sub>0</sub>	
238	8	B	Surrounded by nebulosity.
239	6	B <sub>1</sub>	Nearly all disappeared on 238
240	6	B	Almost int. Br. of a group.
241	5	B <sub>1</sub>	

215	-22°	4583	18	0.4	-22	47.7	9.0	1✓
216	-22°	4579	17	59.8	-22	43.5	9.2	1✓
217	-22°	4578	17	59.7	-22	55.5	9.5	1✓
218	-23°	13941	18	0.2	-23	7.2	8.3	1✓
219	-22°	4573	17	59.0	-22	53.5	8.7	1✓
220	-23°	13940	18	0.1	-23	21.6	8.8	1✓
221	-23°	13932	17	59.9	-23	20.4	9.0	1✓
222	-23°	13954	18	0.7	-23	26.7	9.2	1✓
223	-23°	13949	18	0.5	-23	35.7	9.6	1✓
224	-23°	13969	18	1.3	-23	36.8	9.5	1✓
225	-23°	13974	18	1.5	-23	27.3	9.8	1✓
226	-23°	13971	18	1.4	-23	19.9	9.6	1✓
227	-23°	13898	17	58.5	-23	30.0	9.3	1✓
228	-23°	13889	17	58.2	-23	31.0	8.9	1✓
229	-23°	13881	17	57.9	-23	43.3	8.3	1✓
230	-23°	13866	17	57.3	-23	42.0	8.5	1✓
231	-23°	13863	17	57.2	-23	36.3	9.0	1✓
232	-23°	13871	17	57.5	-23	16.7	9.2	1✓
233	-23°	13837	17	56.1	-23	26.6	8.7	1✓
234	-23°	13829	17	55.9	-23	24.6	8.8	1✓
235	-23°	13836	17	56.1	-23	20.7	8.8	1✓
236	-23°	13832	17	56.0	-23	7.1	8.7	1✓
237	-24°	13812	17	56.2	-24	0.4	9.2	1✓
238	-23°	13845	17	56.4	-23	46.9	9.7	1✓
239	-24°	13814	17	56.2	-24	22.0	6.1	1✓
240	-24°	13816	17	56.3	-24	19.4	8.0	1✓
241	-24°	13832	17	56.8	-24	23.7	8.7	1✓
241	-24°	13839	17	56.9	-24	9.9	8.7	1✓

Cards made out.

Thursday Sept. 19, 1912

B40711 Phot.

M.	Int.	Class	Remark
242	1	A <sub>2</sub>	
243	1	B <sub>5</sub>	
244	2	B <sub>9</sub>	
245	2	A <sub>2</sub>	
246	5	B <sub>5</sub>	K line strong for this class.
247	3	A <sub>2</sub>	
248	5	B <sub>8</sub>	
249	3	A <sub>0</sub>	
250	7	B <sub>1</sub>	Lines show little contrast.
251	5	F <sub>0</sub>	
252	3	A <sub>0</sub>	
253	8	B <sub>0</sub>	
254	4	B <sub>5</sub>	
255	4	B <sub>3</sub>	
256	7	B <sub>5</sub>	
257	3	A <sub>3</sub>	
258	5	B <sub>5</sub>	

Time 10.08 259 8  
 " 10. 260  
 " 261  
 " 262  
 " 263  
 " 264  
 " 265  
 " 266  
 " 267

Cont. on Page 110

242	-24°	13803	17	53.8	-24	0.4	7.6	1
	-23°	13833	17	56.0	-23	47.4	7.7	✓
243	-24°	13795	17	55.3	-24	4.1	7.2	
	-23°	13822	17	53.5	-23	52.9	7.7	✓
244	-24°	13786	17	55.0	-24	3.2	9.0	✓
	-23°	13800	17	54.6	-23	17.7	8.6	
245	-23°	13746	17	54.4	-23	17.0	7.5	✓
246	-23°	13789	17	54.2	-23	10.1	8.4	✓
247	-23°	13781	17	53.8	-23	9.4	9.0	✓
248	-23°	13775	17	53.5	-23	32.2	8.6	✓
249	-23°	13765	17	53.3	-23	29.8	9.2	✓
250	-23°	13804	17	54.8	-23	1.2	8.0	✓
	-22°	13467	17	55.0	-22	53.9	7.8	✓
251	-22°	4510	17	53.7	-22	54.4	8.0	✓
252	-22°	4511	17	53.8	-22	45.9	9.1	✓
253	-22°	4516	17	54.2	-22	42.7	7.3	✓
254	-22°	4520	17	54.5	-22	52.7	8.3	✓
255	-22°	4522	17	54.7	-22	36.5	8.3	✓
256	-22°	4533	17	55.1	-22	50.3	7.4	✓
257	-22°	4534	17	53.4	-22	41.0	7.0	✓
258	-22°	4535	17	55.3	-22	33.6	8.6	✓
259	-22°	4541	17	55.4	-22	29.8	7.7	✓

C.D.M.

Cards made out.



Thursday, Sept. 19, 1912

Time: 3.20

B 17048 short circ.

No.	Lat.	Class	Remark
1	4	Fo	
2	3	Ac	
3	4	Ho	
4	10	Ho	
5	2	Ho	
6	4	Ho	
7	7	Ho	
8	4	Ma	
9	8	Bq	
10	2	Ho	
11	3	Fo.	
12	5	Ho	
13	7	Ho	
14	10	Ac	
15	8	Ac	
16	3	Fo	
17	1	Ho	
18	2	Ho	
19	4	Ho	
20	5	Ho	
21	4	Ho	Poor focus
22	3	Ho	
23	4	Ho	
24	4	Ho	
25	3	Ho	
26	3	Ho	
27	3	Ho	

1 - 60°	203	2	27.3	-60	27.1	8.4	✓
2 - 60°	202	2	26.7	-60	28.2	8.6	✓
3 - 61°	210	2	25.9	-61	28.2	8.5	✓
4 - 61°	212	2	20.6	-61	31.9	6.8	✓
5 - 61°	214	2	31.6	-61	36.3	8.8	✓
6 - 61°	215	2	32.0	-61	22.9	8.1	✓
7 - 61°	217	2	36.1	-61	5.0	8.3	✓
8 - 61°	216	2	35.4	-61	55.1	8.6	✓
9 - 62°	215	2	36.5	-62	4.2	7.4	✓
10 - 61°	218	2	36.9	-61	52.0	9.2	✓
11 - 62°	217	2	37.2	-62	25.1	8.8	✓
12 - 62°	216	2	37.0	-62	41.3	8.6	✓
13 - 63°	215	2	36.8	-62	13.8	8.2	✓
14 - 63°	169	2	30.5	-63	8.2	6.5	✓
15 - 62°	210	2	32.0	-62	56.9	8.0	✓
16 - 62°	212	2	32.8	-62	10.0	8.6	✓
17 - 62°	214	2	34.0	-62	9.0	9.4	✓
18 - 60°	207	2	36.8	-60	45.4	9.4	✓
19 - 60°	208	2	38.3	-60	31.2	8.6	✓
20 - 60°	209	2	38.9	-60	35.9	8.6	✓
21 - 60°	204	2	31.8	-60	13.9	8.6	✓
22 - 59°	222	2	33.2	-59	56.8	8.8	✓
23 - 59°	223	2	34.8	-59	22.3	8.4	✓
24 - 59°	224	2	35.8	-59	55.1	8.4	✓
25 - 59°	232	2	42.6	-59	55.2	9.0	✓
26 - 59°	233	2	44.4	-59	34.5	9.1	✓
27 - 59°	229	2	42.1	-59	25.1	8.9	✓

Cards made out

Thursday, Sept. 19, 1912

317048 shot disp.

No. Lat. Class Remark

28	4	To	
29	6	To	
30	2	To	
31	1	To	
32	4	To	
33	2	To	
34	2	To	
35	2	To	
36	8	To	
37	3	To	
38	1	To	
39	3	To	
40	7	To	
41	2	To	
42	2	To	
43	3	To	
44	2	To	
45	3	To	
46	3	To	
47	5	To	Star superposed at southern Portably class G.
48	4	To	
49	3	To	
50	2	To	
51	4	To	
52	2	To	
53	7	To	
54	5	To	

28	-59°	235	2	45.7	-59	19.4	8.7	✓
29	-60°	217	2	43.7	-60	40.1	8.4	-60° & 16 superposed.
30	-60°	215	2	43.5	-60	47.5	8.9	-60°
31	-61°	222	2	42.0	-61	0.0	9.4	✓
32	-61°	224	2	42.2	-61	36.9	8.7	✓
33	-60°	210	2	40.8	-60	35.1	9.0	✓
34	-62°	225	2	42.7	-62	1.9	9.2	✓
35	-62°	218	2	39.0	-62	57.2	9.0	✓
36	-63°	179	2	40.8	-63	26.8	7.7	✓
37	-64°	195	2	41.0	-64	1.1	8.6	✓
38	-63°	180	2	41.4	-63	23.9	9.4	✓
39	-63°	181	2	42.0	-63	13.9	8.9	✓
40	-63°	183	2	43.0	-63	14.9	8.1	✓
41	-62°	223	2	42.2	-62	49.1	9.0	✓
42	-62°	234	2	47.2	-62	43.3	9.0	✓
43	-62°	234	2	47.4	-62	43.2	8.7	✓
44	-62°	236	2	48.5	-62	44.7	8.9	✓
45	-62°	237	2	48.9	-62	54.3	8.9	✓
46	-62°	241	2	51.5	-62	44.5	9.1	✓
47	-62°	238	2	49.0	-62	8.0	8.6	✓
48	-61°	237	2	48.0	-61	24.8	8.6	✓
49	-61°	238	2	51.3	-61	38.7	8.8	✓
50	-61°	234	2	52.8	-61	6.9	9.1	✓
51	-61°	237	2	54.0	-61	5.9	8.0	✓
52	-60°	231	2	54.7	-60	31.5	9.0	✓
53	-60°	229	2	52.6	-60	14.4	7.9	✓
54	-60°	226	2	49.3	-60	26.2	8.4	✓

Cards made out

Thursday, Sept. 19, 1912.

B. 17048 chert chips.

No.	Gr.	Class	Remark
55	1	IP	
56	2	IP	
57	2	IP	
58	1	IP	
59	2	IP	
60	3	IP	
61	3	As	

55

1

IP

Remark

56

2

IP

57

2

IP

58

1

IP

59

2

IP

60

3

IP

Lime 3, 31

61

3

As

2

Mon. Feb. 2, 1914

62

7

Q5

✓ 63

5

No

Partly exp. on 62

55-60°	227	2	49.8	-60°	59.4	9.4 ✓
56-60°	224	2	48.7	-60°	46.2	8.7 ✓
57-60°	219	2	45.3	-60°	56.1	9.2 ✓
58-61°	228	2	44.8	-61°	55.4	9.5 ✓
59-61°	219	2	37.6	-61°	16.9	9.0 ✓
60-59°	247	2	54.4	-59°	24.3	9.0 ✓
61-59°	243	2	53.1	-59°	18.7	8.7 ✓

Identified by Amc. Sept. 24, 1912  
 Checked by J. C. M. Oct. 2, 1912  
 cards made out by W. C. W.  
 Cards checked by E. E. W.

62-60°	306	2	36.4	-60°	6.5	7.2 ✓
63-60°	205	2	26.3	-60°	6.4	8.0 ✓

Ident. on cards by Amc. Jan. 12, 1915  
 Compared by B. R. B. Jan. 12, 1915.



Friday, Sept. 20, 1912

Time: 11.02

137552

No.	Int.	Class	Remark
1	2	fs	
2	2	fs	
3	2	As	
4	2	fs	
5	3	As	
6	2	fs	
7	2	As	
8	2	A	
9	3	As	
10	2	fs	
11	2	fs	
12	1	fs	
13	3	fs	
14	1	fs	
15	2	fs	
16	3	As	E.
17	3	A	E.
18	2	fs	E.
19	1	fs	
20	1	fs	
21	1	fs	
22	1	As	
23	3	fs	
24	5	fs	
25	6	fs	
26	4	fs	
27	2	fs	

1	+15°	16.65	7	40.2	+15	33.5	89	J
2	+13°	17.61	7	39.5	+13	10.0	9.0	J
3	+12°	16.77	7	40.4	+12	37.2	8.5	J
4	+12°	16.96	7	44.0	+12	58.3	8.5	J
5	+12°	17.01	7	44.7	+12	24.5	8.4	J
6	+13°	17.85	7	45.2	+13	4.2	8.7	J
7	+13°	17.87	7	45.4	+13	3.2	2.5	J
8	+11°	17.25	7	49.2	+11	56.9	9.0	J
9	+12°	17.28	7	50.0	+12	25.0	8.5	J
10	+12°	17.33	7	50.7	+12	30.0	8.2	J
11	+12°	17.52	7	50.7	+12	50.3	8.6	J
12	+13°	18.09	7	51.3	+13	16.1	9.3	J
13	+13°	18.10	7	51.5	+13	23.1	8.8	J
14	+12°	17.36	7	52.0	+12	51.0	8.4	J
15	+12°	17.34	7	50.9	+12	5.2	2.3	J
16	+11°	17.38	7	54.8	+11	12.4	9.0	J
17	+10°	17.11	7	50.6	+10	31.5	8.8	J
18	+10°	17.16	7	56.4	+10	39.1	7.8	J
19	+12°	17.43	7	52.9	+12	50.4	8.5	J
20	+12°	18.20	7	53.6	+13	9.6	9.0	J
21	+14°	18.23	7	54.4	+13	13.5	9.0	J
22	+14°	18.25	7	55.1	+13	27.1	9.5	J
23	+14°	18.11	7	53.3	+14	4.6	7.9	J
24	+14°	18.13	7	55.4	+14	29.6	7.7	J
25	+14°	18.17	7	56.0	+14	5.1	7.7	J
26	+14°	18.19	7	56.4	+14	10.6	8.3	J
27	+13°	18.28	7	56.4	+13	49.5	8.5	J

cards made out

Friday, Sept. 20, 1912

I 27553

No.	Int.	Class	Remarks
28	3	Ao	
29	2	A	Another star partly superposed.
30	4	Go	
31	2	A3	
32	4	Ho	
33	2	Go	
34	2	Go	
35	3	Go	
36	2	Go	
37	1	Go	
38	1	Go	
39	2	Go	Another star partly superposed?
40	1	Go	
41	4	A2	
42	3	Ho	
43	2	Go	
44	6	Go	
45	3	Go	Partly superposed on 44.
46	2	Go	
47	4	Go	
48	1	Ho	
49	3	Ao	
50	3	Ao	
51	3	Ho	
52	3	Go	
53	4	Go	
54	3	Go	

28	+15°	17.44	7	57.1	+15°	9.8	2.5	1
29	+14°	18.21	7	57.8	+14°	50.6	9.2	1
30	+14°	18.22	7	57.9	+14°	39.9	8.8	1
31	+14°	18.24	7	58.8	+14°	28.4	9.0	1
32	+14°	18.29	7	59.9	+14°	46.6	8.3	1
33	+15°	17.51	7	58.8	+15°	33.9	8.5	1
34	+15°	17.55	7	59.4	+15°	23.5	9.0	1
35	+15°	17.61	8	0.2	+15°	16.7	8.5	1
36	+14°	18.32	8	0.9	+14°	28.5	8.5	1
37	+15°	17.68	8	2.5	+15°	11.3	9.5	1
38	+14°	18.39	8	1.7	+14°	56.2	7.9	1
39	+14°	18.38	8	1.7	+14°	38.7	9.0	1
40	+14°	18.34	8	1.0	+14°	5.6	8.8	1
41	+14°	17.66	7	42.6	+14°	3.9	9.2	1
42	+14°	17.67	7	43.0	+14°	6.6	8.9	1
43	+14°	17.69	7	43.3	+14°	31.4	8.2	1
44	+13°	17.81	7	43.7	+13°	52.5	9.0	1
45	+13°	17.91	7	46.1	+13°	48.2	8.0	1
46	+10°	17.90	7	46.1	+10°	57.5	8.3	1
47	+13°	17.93	7	47.2	+13°	40.6	8.5	1
48	+13°	17.97	7	47.7	+13°	43.6	8.2	1
49	+14°	17.87	7	48.0	+14°	2.0	8.8	1
50	+13°	18.00	7	48.1	+13°	2.0	8.8	1
51	+13°	18.01	7	49.1	+13°	47.7	8.5	1
52	+13°	18.02	7	49.2	+13°	38.8	7.8	1
53	+13°	18.04	7	49.3	+13°	34.6	8.0	1
54	+13°	18.07	7	50.1	+13°	42.7	8.0	1
55	+14°	17.97	7	51.3	+14°	12.2	8.3	1

mag. 9.0

+14° 18.33 superposed

cards made out

Friday, Sept. 29, 1912.

I 37552

Nr.	Int.	Class	Remark
55	3	F5	
56	3	F5	
57	4	A2	
58	4	A2	
59	4	A2	
60	3	F5	
61	3	A2	
62	3	F5	
63	4	A5	Hybrid suspected.
64	2	F5	
65	4	F5	
66	6	F5	
67	7	A2	
68	2	F5	Too much reprocessed on 69.
69	3	F5	
70	7	A2	
71	3	F5	
72	3	F5	
73	5	F5	
74	1	Ma	
75	5	F5	
76	3	F5	
77	5	A2	
78	5	F5	
79	2	F5	
80	1	F5	
81	1	A	

55	+14°	18.01	87	51.7	+14	4.6	8.0	J
56	+14°	18.08	87	53.8	+14	26.2	8.7	J
57	+14°	17.90	87	48.6	+14	43.8	9.0	J
58	+15°	17.07	7	48.7	+15	21.1	8.5	J
59	+15°	17.06	7	48.6	+15	31.4	8.5	J
60	+15°	17.22	7	51.1	+15	46.0	8.1	J
61	+15°	17.23	7	51.4	+15	28.3	9.0	J
62	+15°	17.21	7	51.1	+15	12.3	8.8	J
63	+16°	16.06	7	52.0	+16	3.7	8.7	J
64	+14°	17.73	7	48.2	+14	53.1	8.8	V
65	+15°	16.90	7	45.1	+15	16.6	7.8	V
66	+15°	16.97	7	45.8	+15	18.3	8.5	V
67	+15°	16.88	7	44.9	+15	45.3	7.4	J
68	+15°	16.89	7	45.0	+15	52.2	8.0	V
69	+16°	15.77	7	45.1	+16	5.1	7.8	J
70	+16°	15.80	7	45.7	+16	24.8	7.0	J
71	+15°	17.00	7	46.5	+15	47.6	8.5	J
72	+16°	15.85	7	47.1	+16	53.0	8.5	J
73	+17°	16.96	7	45.1	+17	12.9	7.2	J
74	+18°	17.69	7	45.1	+18	8.6	8.7	J
75	+18°	17.78	7	46.5	+18	27.7	7.0	V
76	+18°	17.79	7	46.6	+18	20.0	7.8	J
77	+19°	18.68	7	44.4	+19	11.4	8.6	J
78	+19°	18.69	7	46.4	+19	37.6	8.2	J
79	+19°	18.73	7	47.4	+19	12.6	8.8	J
80	+18°	17.73	7	45.7	+18	53.8	9.1	J
81	+16°	15.71	7	43.0	+16	25.8	9.2	V

cards made out



Friday, Sept. 29, 1912.

I 87553

No.	Int.	Class	Remark
82	1	F	
83	2	F	
84	2	F	
85	2	F	Antenna star partly superimposed.

Time: 11.29

86	2	As	
87	1	K	
88	2	As	
89	2	As	
90	2	As	
91	3	Ks	
92	2	Ks	
93	2	As	
94	2	As	
95	1	K <sub>2</sub>	
96	2	As	
97	7	Ks	
98	7	Ks	
99	8	Ks	
100	7	Ks	
101	3	As	
102	16	As	

82	+16°	1574	7	43.5	+16	26.1	9.2	1
83	+16°	1576	7	44.7	+16	25.7	9.2	1
84	+18°	1752	7	41.8	+18	35.0	8.8	1
85	+18°	1757	7	42.8	+18	19.8	9.0	1

Identified by M. C. W. Oct. 15, 1912.  
 Checked by Ann. Oct. 16, 1912.  
 cards made out by M. C. W.

✓	86	+18°	1723	7	36.0	+18	32	8.8	244 m	37570
✓	87	+18°	1727	7	36.4	+18	8	8.7	243 "	"
✓	88	+17°	1673	7	32.5	+17	4	8.9	182 "	"
✓	89	+18°	1753	7	41.9	+18	3	8.8	253 "	"
✓	90	+16°	1632	7	57.6	+16	54	9.1	19 m	37605
✓	91	+16°	1616	7	54.4	+16	17	8.5	9 <sup>13</sup>	" "
✓	92	+16°	1609	7	52.5	+17	0	8.0	5 "	"
✓	93	+17°	1725	7	51.4	+17	31	8.8	4 "	"
✓	94	+17°	1719	7	50.2	+17	45	9.2	8.5 "	"
✓	95	+18°	1799	7	49.7	+18	4	9.0	84 "	"
✓	96	+17°	1712	7	49.2	+17	51	9.0	83 "	"
✓	97	+13	1811	7	51.5	+13	37	6.6	168 "	37573
✓	98	+16	1578	7	50.2	+16	53	6.0	2 m	37605
✓	99	+20	1976	7	52.4	+20	12	7.0	90 "	"
✓	100	+19	1854						257 m	37570
✓	101	+16	1568						185 "	"
✓	102	+15	1734						14 m	37605

Friday, Sept. 20, 1912.

Time: 12.50

E 37494

No.	Int.	Class	Remark
1	3	Is	Pon focus.
2	5	Is	
3	3	Is	
4	3	As	
5	5	As	
6	2	Is	
7	3	Is	
8	2	As	
9	6	Is	
10	7	Is	
11	2	As	
12	6	Is	
13	3	As	
14	3	Is	
15	3	Is	
16	3	As	
17	5	As	
18	10	Is	
19	2	A	
20	1	A	Pretty super based on 19.
21	2	Is	
22	3	Is	

Time: 13.55

23	1	Is	
24	2	As	
25	3	Is	
26	3	As	

Emk. 135-42

1	+22°	1744.7	30.9	+22	2.1	8.5	J
2	Neptune						✓
3	+21°	1661.7	32.6	+21	47.5	8.2	J
4	+22°	1749.7	32.3	+22	8.2	8.8	J
5	+22°	1707.7	32.9	+22	27.1	7.5	J
6	+21°	1663.7	33.1	+21	58.5	9.1	✓
7	+21°	1668.7	33.7	+21	17.9	8.5	✓
8	+22°	1753.7	34.0	+22	11.8	8.7	J
9	+22°	1754.7	34.1	+22	33.4	7.0	J
10	+22°	1756.7	34.7	+22	44.8	6.8	J
11	+23°	1722.7	32.8	+23	34.8	8.2	J
12	+23°	1780.7	32.3	+23	21.9	6.0	J
13	+23°	1787.7	33.0	+23	20.0	8.0	J
14	+23°	1789.7	33.0	+23	51.1	8.3	✓
15	+23°	1792.7	33.4	+23	10.2	7.8	J
16	+24°	1740.7	33.3	+24	23.0	8.2	J
17	+24°	1755.7	35.2	+24	35.4	7.9	J
18	+24°	1759.7	35.7	+24	46.0	5.7	J
19	+24°	1750.7	34.8	+24	10.9	8.8	J
20	+24°	1751.7	34.9	+24	7.2	8.6	J
21	+23°	1801.7	35.8	+23	41.2	7.0	J
22	+23°	1805.7	36.3	+23	20.9	7.5	J
23	+22°	1761.7	36.1	+22	47.9	8.0	J

24 +22° 1808.7 37.5 +23 53.9 8.0  
 24 +21 1686 28.4 +21 28 8.8

25 +20 1913  
 26 +19 1888  
 Identified by J.W. Dec. 9, 1912.  
 Checked by Anna Dec. 12, 1912.  
 cards made out by H. C. W.  
 Cards checked by B. R. B.

134 m 132472

Friday, Sept. 29, 1932

Time: 2.22

I 37503

No.	Int.	Class	Remark
1	4	I <sub>10</sub>	
2	5	I <sub>10</sub>	
3	8	I <sub>10</sub>	
4	1	A <sub>15</sub>	
5	2	I <sub>10</sub>	Partly superimposed on a bright star.
6	1	I <sub>10</sub>	
7	2	I <sub>10</sub>	
8	2	I <sub>10</sub>	
9	1	I <sub>10</sub>	
10	3	I <sub>10</sub>	
11	2	I <sub>10</sub>	
12	2	I <sub>10</sub>	
13	1	I <sub>10</sub>	
14	2	I <sub>12</sub>	
15	10	A <sub>10</sub>	
16	3	A <sub>10</sub>	
17	2	I <sub>10</sub>	
18	1	I <sub>10</sub>	
19	4	A <sub>10</sub>	
20	2	I <sub>10</sub>	
21	2	A <sub>10</sub>	
22	3	I <sub>10</sub>	
23	4	I <sub>10</sub>	
23a	2	I <sub>10</sub>	
24	6	I <sub>10</sub>	
25	4	A <sub>10</sub>	
26	4	A <sub>10</sub>	
27	2	I <sub>10</sub>	

1	+22°	1810	7	47.7	+22	57.4	7.7	✓
2	+24°	1805	7	47.4	+24	6.6	6.8	✓
3	+24°	1806	7	47.4	+24	0.8	6.7	✓
4	+22°	1810	7	47.9	+22	14.8	8.7	✓
5	+23°	1864	7	51.1	+23	27.3	8.2	✓
6	+23°	1865	7	51.6	+23	28.9	9.0	✓
7	+23°	1877	7	55.3	+23	47.7	8.5	✓
8	+22°	1842	7	54.8	+22	56.9	8.8	✓
9	+23°	1886	7	57.7	+23	46.1	9.0	✓
10	+24°	1863	7	59.2	+24	26.0	8.3	✓
11	+24°	1867	7	59.5	+24	5.7	8.7	✓
12	+22°	1863	7	59.4	+22	57.0	9.0	✓
13	+23°	1906	8	3.4	+23	49.2	8.9	✓
14	+20°	1900	7	48.1	+20	16.4	9.0	✓
15	+20°	1946	7	47.2	+20	16.6	6.0	✓
16	+19°	1872	7	47.4	+19	44.7	8.9	✓
17	+20°	1939	7	48.7	+20	33.2	9.1	✓
18	+21°	1719	7	47.6	+21	10.8	8.3	✓
19	+20°	1922	7	42.4	+20	47.4	8.5	✓
20	+21°	1798	7	42.8	+21	11.4	9.1	✓
21	+21°	1707	7	43.9	+21	38.6	9.0	✓
22	+21°	1693	7	40.2	+21	8.9	8.0	✓
23	+21°	1686	7	39.2	+21	17.0	8.0	✓
23a	+21°	1689	7	39.4	+21	23.8	7.9	✓
24	+21°	1679	7	37.6	+21	28.1	7.5	✓
25	+21°	1677	7	36.8	+21	12.3	8.3	✓
26	+22°	1780	7	40.0	+22	15.8	8.0	✓
27	+22°	1779	7	40.0	+22	46.3	8.5	✓

Cards made out



Friday, Sept. 20, 1913

I37503

No.	Int.	Class	Remark
28	2	A <sub>3</sub>	
29	1	Compst	If = 0.2 H B <sub>2</sub> = F <sub>2</sub> F <sub>2</sub> = A
30	1	I <sub>1</sub>	
31	4	I <sub>1</sub>	
32	2	I <sub>1</sub>	Nearly all superimposed on 31.
33	6	B <sub>9</sub>	
34	2	A <sub>2</sub>	
35	2	I <sub>1</sub>	
36	5	I <sub>1</sub>	
37	3	A <sub>2</sub>	
38	3	I <sub>1</sub>	
39	2	I <sub>1</sub>	
40	2	I <sub>1</sub>	
41	3	I <sub>1</sub>	
43	4	F <sub>2</sub>	
43	7	F <sub>0</sub>	
44	2	I <sub>1</sub>	
45	6	F <sub>5</sub>	
46	1	I <sub>1</sub>	
47	2	F <sub>8</sub>	
48	3	A <sub>0</sub>	
49	2	I <sub>1</sub>	E.
50	4	I <sub>1</sub>	E.
51	1	I <sub>1</sub>	E.
52	6	I <sub>1</sub>	E.
53	3	F <sub>5</sub>	E.
54	3	A <sub>0</sub>	E.

28	+23°	1815	7	40.2	+23	10.7	9.3	✓
29	+23°	1812	7	39.9	+23	10.5	6.5	✓
30	+23°	1810	7	38.8	+23	29.2	8.5	✓
31	+24°	1769	7	38.5	+24	0.8	7.8	✓
32	+24°	1770	7	38.5	+24	4.7	8.7	✓
33	+23°	1808	7	37.5	+23	53.9	8.0	✓
34	+24°	1764	7	36.4	+24	28.8	8.7	✓
35	+24°	1763	7	36.2	+24	40.5	8.6	✓
36	+22°	1803	7	44.4	+22	41.7	6.8	✓
37	+22°	1800	7	44.3	+22	38.9	9.0	✓
38	+22°	1791	7	42.4	+22	36.6	8.1	✓
39	+22°	1792	7	42.8	+22	57.9	8.7	✓
40	+23°	1825	7	42.0	+23	24.3	9.0	✓
41	+23°	1821	7	41.5	+23	5.7	8.0	✓
42	+24°	1786	7	42.0	+24	8.7	8.2	✓
43	+24°	1785	7	41.9	+24	31.2	7.4	✓
44	+24°	1779	7	40.9	+24	36.9	8.0	✓
45	+24°	1777	7	40.6	+24	51.5	7.4	✓
46	+25°	1768	7	40.7	+25	26.8	8.5	✓
47	+24°	1775	7	40.0	+24	26.7	8.6	✓
48	+25°	1763	7	38.7	+25	48.5	8.8	✓
49	+26°	1647	7	38.1	+26	22.4	8.7	✓
50	+26°	1638	7	36.7	+26	19.6	8.2	✓
51	+26°	1633	7	35.3	+26	7.4	6.3	✓
52	+28°	1903	8	12.0	+28	47.3	7.5	✓
53	+25°	1901	8	11.6	+25	37.8	8.2	✓
54	+25°	1898	8	10.9	+25	25.6	8.3	✓

Cards made out

Friday, Sept. 20, 1932

I 37503

No.	Int.	Class	Remark
55	2	A	E.
56	2	No	E.
57	1	A	E.
58	2	No	E.
59	3	A3	
60	1	lys	Partly under hood on 59
61	2	No	
62	3	A3	
63	2	lys	
64	4	No	
65	2	lys	
66	9	lys	
67	3	lys	Seems faint. Comp? Partly under hood on 68.
68	5	No	" " " Maybe defect.
69	3	No	
70	5	lys	
71	4	lys	
72	3	lys	
73	2	No	
74	2	No	
75	2	No	
76	2	lys	
77	3	lys	
78	2	No	
79	3	No	
80	3	No	
81	2	No	

55	+25°	1896	8	9.6	+25	51.9	8.9	✓
56	+25°	1893	8	9.0	+25	53.5	8.2	✓
57	+25°	1891	8	8.6	+25	6.8	8.8	✓
58	+25°	1888	8	7.6	+25	8.7	8.7	✓
59	+24°	1889	8	6.5	+24	11.1	8.3	✓
60	+24°	1888	8	6.5	+24	22.9	8.5	✓
61	+25°	1880	8	6.1	+25	10.0	8.4	✓
62	+25°	1878	8	4.9	+25	8.7	8.8	✓
63	+25°	1873	8	3.9	+25	15.6	9.5	✓
64	+25°	1872	8	3.4	+25	37.0	8.7	✓
65	+25°	1871	8	3.1	+25	26.7	9.0	✓
66	+25°	1865	8	1.8	+25	56.2	6.1	✓
67	+26°	1730	8	1.5	+26	18.9	8.7	✓
68	+26°	1728	8	1.4	+26	15.8	6.8	✓
69	+25°	1864	8	1.0	+25	38.7	8.0	✓
70	+25°	1860	8	0.7	+25	13.4	8.0	✓
71	+25°	1854	8	59.6	+25	57.8	8.1	✓
72	+26°	1718	7	57.7	+26	17.5	8.5	✓
73	+25°	1844	7	57.4	+25	53.4	8.7	✓
74	+24°	1858	7	57.9	+24	33.5	8.5	✓
75	+24°	1852	7	57.2	+24	27.3	8.4	✓
76	+24°	1847	7	56.8	+24	30.9	8.5	✓
77	+24°	1843	7	56.0	+24	48.7	7.8	✓
78	+24°	1840	7	55.4	+24	54.4	8.0	✓
79	+24°	1835	7	54.4	+24	51.6	8.6	✓
80	+25°	1826	7	54.2	+25	23.6	8.5	✓
81	+25°	1825	7	54.0	+25	11.9	8.5	✓

cards made out

Friday, Sept. 20, 1912.

I 37503

No.	Int.	Class	Remark
82	9	Ao	
83	8	Ho	
84	2	Ho	
85	5	Ao	
86	3	Ao	
87	3	Ao	
88	4	Ho	
89	2	F	
90	3	A2	
91	3	A5	
92	2	Ho	
93	3	Ho	
94	5	Ho	
95	42	A2	
96	4	Ho	
97	2	Ho	
98	2	Ho	
99	2	Ho	
100	3	F	
101	10	A2	
102	1	Ho	
103	6	Ho	
104	6	Ho	
105	7	A3	
106	3	Ho	C.
107	4	Ho	E.
108	4	Ho	

82	+25°	1816	7	53.0	+25	22.8	7.0	J
83	+25°	1812	7	52.2	+25	46.4	6.5	J
84	+26°	1696	7	52.0	+26	1.5	8.7	J
85	+23°	1810	7	51.7	+25	25.3	8.0	J
86	+25°	1805	7	50.7	+25	19.1	8.5	J
87	+24°	1811	7	48.8	+24	53.1	8.7	J
88	+25°	1794	7	47.3	+25	2.7	7.5	J
89	+24°	1804	7	47.1	+24	36.3	8.6	J
90	+24°	1802	7	46.8	+24	44.3	8.2	J
91	+24°	1800	7	46.2	+24	33.6	8.3	J
92	+23°	1840	7	45.6	+23	52.7	8.6	J
93	+23°	1832	7	44.1	+23	52.2	8.4	J
94	+25°	1778	7	43.0	+25	11.9	8.0	+25° 1179 Superficial
95	+24°	1787	7	42.5	+24	48.8	9.2	J
96	+25°	1773	7	42.2	+25	27.7	8.2	J
97	+25°	1764	7	42.1	+25	9.8	9.0	^ J
98	+25°	1783	7	41.6	+25	50.1	9.0	J
99	+26°	1665	7	43.9	+26	18.1	8.8	J
100	+26°	1668	7	44.9	+26	56.1	8.0	J
101	+27°	1499	7	44.6	+27	8.0	5.0	J
102	+26°	1661	7	42.3	+26	43.6	8.7	J
103	+26°	1656	7	40.9	+26	37.4	7.0	J
104	+27°	1762	8	40.2	+27	47.2	7.1	J
105	+27°	1760	8	39.4	+27	52.6	7.0	J
106	+27°	1575	8	38.6	+27	19.1	7.5	J
107	+27°	1576	8	38.7	+27	50.7	7.7	J
108	+28°	1566	8	39.9	+28	8.7	7.6	J

cards made out



Friday, Sept. 20, 1912.

I 37503

No.	Int.	Class	Remark
109	4	A <sub>0</sub>	
110	5	F	E. Focus very poor.
111	4	F <sub>0</sub>	
112	3	F <sub>0</sub>	
113	6	F <sub>0</sub>	
114	6	A <sub>0</sub>	
115	2	A	E.
116	10	B <sub>9</sub>	E.
117	2	F <sub>1</sub>	E.
118	10	F <sub>0</sub>	E.
119	4	F <sub>5</sub>	E.
120	3	A	E.
121	4	A <sub>3</sub>	E.
122	3	F <sub>0</sub>	
123	1	F <sub>1</sub>	
124	7	A <sub>2</sub>	
125	4	F <sub>0</sub>	
126	3	F <sub>0</sub>	
127	4	F <sub>0</sub>	
128	1	F <sub>5</sub>	
Time: 2.48	129	3	F <sub>0</sub>

130

4

ma

109	+23 <sup>0</sup>	1563	8	57.2	+28 <sup>7</sup>	33.0	8.3	✓
110	+28 <sup>0</sup>	1570	8	5.0	+28 <sup>8</sup>	12.5	7.5	✓
111	+26 <sup>1</sup>	1742	8	3.9	+26	40.6	8.5	✓
112	+27 <sup>0</sup>	1554	8	11.4	+27	30.6	7.8	✓
113	+27 <sup>0</sup>	1544	7	0.0	+27	54.7	7.8	✓
114	+27 <sup>0</sup>	1541	7	58.9	+27	26.3	7.7	✓
115	+28 <sup>0</sup>	1556	7	38.7	+28	14.2	8.5	✓
116	+27 <sup>1</sup>	1536	7	56.8	+27	56.1	7.5	✓
117	+28 <sup>0</sup>	1541	7	55.9	+28	0.4	8.7	✓
118	+28 <sup>0</sup>	1532	7	54.6	+28	11.9	5.4	✓
119	+28 <sup>0</sup>	1529	7	54.3	+28	20.1	8.2	✓
120	+28 <sup>0</sup>	1527	7	53.3	+28	34.7	8.5	✓
121	+29 <sup>0</sup>	1668	7	52.9	+29	1.8	8.3	✓
122	+26 <sup>0</sup>	1713	7	56.8	+26	31.2	8.2	✓
123	+26 <sup>0</sup>	1711	7	56.3	+26	10.3	8.9	✓
124	+26 <sup>1</sup>	1707	7	54.5	+26	40.2	7.5	✓
125	+27 <sup>0</sup>	1524	7	53.3	+27	1.5	8.2	✓
126	+26 <sup>0</sup>	1689	7	49.8	+26	24.4	8.8	✓
127	+26 <sup>1</sup>	1684	7	48.0	+26	29.2	8.2	✓
128	+26 <sup>0</sup>	1675	7	45.8	+26	20.3	8.9	✓
129	+26 <sup>0</sup>	1673	7	45.6	+26	32.7	8.5	✓

Identified by M. C. W. Sept. 30, 1912

checked by A. M. S. Oct. 7, 1912

cards made out by M. C. W.

130

+21

1714

7

45.7

+21

29

7.2

45 on 37605

Saturday Sept. 21, 1912

Time 3.26

B40953 Unit

Mo. Det. class Remark

1	3	F2	
2	3	Ko	
3	3	Ma	
4	4	Bo	
5	3	Ko	
6	5	Ko	
7	2	Ko	
8	7	Bo	
9	4	Fo	
10	4	F2	
11	7	Bo	
12	5	Bo	Another star fairly superposed.
13	2	F	
14	2	Bo	
15	2	Ko	
16	4	Bo	
17	7	Mt	
18	2	Ma	
19	5	Ko	
20	3	F8	
21	10	Fo	
22	3	Fo	
23	4	Bo	
24	2	Bo	
25	7	Bo	
26	4	Bq	
27	3	F2	

1	-57°	484	2	50.2	-57	52.0	8.9	✓
2	-56°	477	2	53.6	-56	41.8	8.8	✓
3	-56°	481	2	55.7	-56	40.1	9.0	✓
4	-56°	482	2	56.5	-56	28.3	8.5	✓
5	-56°	488	2	59.9	-56	34.1	9.0	✓
6	-57°	499	3	4.1	-57	18.2	8.4	✓
7	-57°	502	3	5.2	-57	29.2	9.4	✓
8	-57°	496	3	1.6	-57	39.1	7.6	✓
9	-57°	497	3	1.7	-57	53.6	8.0	✓
10	-58°	248	2	54.6	-58	3.5	8.5	✓
11	-58°	250	2	55.7	-58	16.1	8.4	✓
12	-58°	251	2	56.8	-58	44.1	8.3	✓
13	-58°	252	2	56.9	-58	7.1	8.9	✓
14	-57°	491	2	59.2	-57	52.0	9.2	✓
15	-58°	255	3	0.2	-58	1.0	9.0	✓
16	-58°	257	3	1.4	-58	53.2	8.6	✓
17	-59°	250	3	0.4	-59	25.2	8.4	✓
18	-59°	251	3	0.5	-59	43.6	9.0	✓
19	-60°	232	2	57.2	-60	19.0	8.2	✓
20	-60°	235	3	0.0	-60	16.6	8.5	✓
21	-60°	236	3	0.7	-60	13.3	5.2	✓
22	-59°	253	3	4.8	-59	16.1	8.8	✓
23	-59°	255	3	6.6	-59	13.5	8.5	✓
24	-59°	258	3	7.5	-59	18.1	8.8	✓
25	-59°	257	3	7.2	-59	41.7	7.7	✓
26	-59°	254	2	5.5	-59	51.1	8.6	✓
27	-60°	244	3	9.6	-60	19.2	8.7	✓

Cards made out

Saturday Sept. 19, 1912  
B 40953

Mo. Int. class Remark

28	2	A2	
29	8	Ko	
30	4	Ko	
31	21	A2	
32	2	Ko	
33	9	K5	
34	3	Ko	
35	2	K5	
36	1	K	
37	1	F5	
38	4	F8	
39	6	M	0, Sept 10
40	4	B9	
41	3	Ko	
42	7	Ko	
43	1	F5	
44	1	K	
45	2	K5	
46	5	Ko	
47	2	Ko	
48	6	K5	Strong line approx 4387. Look up.
49	1	A2	
50	6	K2	
51	6	Fo	Another star fairly superimposed
52	4	K5	
53	5	Ko	
54	1	K5	

25	-59°	261	3	10.0	-59	52.9	7.7	✓
29	-59°	263	3	12.0	-59	58.7	7.6	✓
30	-59°	262	3	11.1	-59	34.6	8.4	✓
31	-59°	264	3	12.2	-59	39.2	9.0	✓
32	-59°	265	3	13.2	-59	28.5	9.1	✓
33	-58°	265	3	7.5	-58	17.0	6.9	✓
34	-58°	266	3	7.7	-58	10.3	8.7	✓
35	-57°	506	3	6.6	-57	25.3	9.4	✓
36	-57°	570	3	8.5	-57	26.9	9.4	✓
37	-57°	508	3	8.0	-57	39.8	9.4	✓
38	-57°	517	3	10.7	-57	22.9	8.6	✓
39	-57°	513	3	9.4	-57	47.3	7.4	✓
40	-58°	271	3	10.0	-58	18.0	8.3	✓
41	-58°	274	3	12.5	-58	17.0	8.5	✓
42	-58°	275	3	15.9	-58	26.1	7.8	✓
43	-56°	516	3	12.6	-56	49.9	9.2	✓
44	-57°	523	3	14.6	-57	0.3	9.2	✓
45	-57°	524	3	15.2	-57	1.5	9.2	✓
46	-56°	523	3	16.2	-56	58.1	8.7	✓
47	-57°	533	3	20.0	-57	19.4	9.0	✓
48	-57°	538	3	21.4	-57	59.6	7.4	✓
49	-58°	278	3	19.8	-58	17.4	8.8	✓
50	-59°	268	3	19.3	-59	8.8	8.5	✓
51	-59°	269	3	20.1	-59	24.1	8.2	✓
52	-59°	273	3	20.8	-59	26.0	8.2	✓
53	-59°	272	3	20.5	-59	16.6	8.4	✓
54	-60°	246	3	15.1	-60	3.9	8.9	✓

Cards made out



Saturday Sept. 19, 1912

B 409 53 *thick*

No.	Int.	Class	Remark
55	5	K <sub>0</sub>	
56	6	K <sub>0</sub>	
57	4	F <sub>8</sub>	Auricular stars partly superposed
58	6	K <sub>5</sub>	
59	7	K <sub>5</sub>	
60	1	K	
61	6	F <sub>20</sub>	
62	5	F <sub>5</sub>	
63	8	K <sub>5</sub>	
64	6	A <sub>0</sub>	
65	3	A <sub>20</sub> X	
66	4	A <sub>5</sub>	
67	3	K <sub>5</sub>	
68	7	K <sub>0</sub>	
69	1	K	
70	2	F <sub>8</sub>	
71	5	K <sub>5</sub>	
72	4	F <sub>20</sub>	
73	5	A <sub>20</sub>	
74	4	K <sub>5</sub>	
75	9	A <sub>20</sub>	
76	3	F <sub>5</sub>	Partly superposed on 77
77	8	F <sub>20</sub>	
78	3	F <sub>5</sub>	
79	3	K <sub>5</sub>	
80	1	K <sub>5</sub>	
81	1	K <sub>0</sub>	

55	-60°	24.9	3	18.5	-60	5.4	8.2	1 1
56	-60°	25.0	3	19.7	-60	9.0	8.2	1 1
57	-59°	27.5	3	23.5	-59	48.5	8.2	-59° 276 magn. 9.0 superposed
58	-58°	28.3	3	24.3	-58	45.6	8.1	1 1
59	-58°	28.5	3	25.4	-58	18.8	7.3	1 1
60	-58°	28.7	3	27.1	-58	13.8	8.8	1 1
61	-59°	28.0	3	27.8	-59	0.1	7.8	1 1
62	-58°	29.2	3	28.9	-58	31.3	8.0	1 1
63	-58°	29.1	3	28.9	-58	48.7	8.5	1 1
64	-59°	28.1	3	30.3	-59	3.9	8.0	1 1
65	-58°	29.4	3	30.3	-58	21.8	8.5	1 1
66	-58°	29.5	3	30.8	-58	23.6	8.0	1 1
67	-58°	29.8	3	31.8	-58	8.2	9.0	1 1
68	-58°	29.9	3	32.3	-58	13.7	7.4	1 1
69	-58°	30.0	3	33.6	-58	29.9	8.8	1 1
70	-59°	36.0	3	33.8	-59	58.0	8.6	1 1
71	-59°	36.4	3	35.2	-59	41.6	8.0	1 1
72	-58°	30.4	3	35.5	-58	3.0	8.4	1 1
73	-58°	30.6	3	37.2	-58	25.1	8.2	1 1
74	-58°	30.7	3	39.2	-58	23.7	8.2	1 1
75	-60°	28.4	3	28.8	-60	16.8	8.0	1 1
76	-60°	26.1	3	35.5	-60	11.0	8.0	1 1
77	-60°	26.2	3	35.7	-60	11.0	6.4	1 1
78	-60°	26.3	3	36.1	-60	13.6	8.1	1 1
79	-60°	26.4	3	37.0	-60	29.0	8.1	1 1
80	-56°	52.4	3	18.3	-56	23.1	9.2	1 1
81	-56°	52.8	3	19.4	-56	43.6	9.2	1 1

Cards made out

Saturday Sept. 21, 1912

B45953 Short.

No. Dist. class Remark

82	1	K	
83	2	38	
84	3	40	
85	3	30	
86	2	32	
87	1	K	
88	1	K2	
89	1	Ko	
90	5	K5	
91	1	Ko	
92	5	45	
93	6	K5	
94	3	Ko	Partly superseded on 93.
95	4	Ko	
96	3	32	
97	7	40	
98	2	M	
99	3	8	
100	2	Ko	

Time 2:47

+21  
+22

Cont. - B.P. 130, p. 174

82	-56°	529	3	20.1	-56	23.5	9.4	1 J
83	-56°	530	3	20.6	-56	29.1	9.2	1 V
84	-55°	527	3	23.5	-55	54.2	8.9	1 J
85	-56°	542	3	26.8	-56	19.8	8.7	1 J
86	-56°	541	3	25.7	-56	57.1	9.0	1 J
87	-56°	536	3	24.0	-56	57.8	9.4	1 V
88	-57°	544	3	23.7	-57	10.4	9.4	1 J
89	-57°	546	3	24.5	-57	34.1	9.2	1 J
90	-55°	537	3	28.1	-55	40.5	7.7	1 J
91	-56°	550	3	30.8	-56	40.6	9.1	1 J
92	-56°	559	3	35.5	-56	33.0	7.8	1 J
93	-56°	563	3	36.7	-56	38.3	7.4	1 J
94	-56°	564	3	36.7	-56	33.1	8.4	1 J
95	-56°	566	3	37.0	-56	57.4	8.4	1 J
96	-56°	569	3	37.9	-56	29.0	8.6	1 V
97	-55°	558	3	37.0	-55	57.0	7.8	1 J
98	-55°	551	3	44.6	-55	48.2	9.1	1 J
99	-55°	557	3	36.7	-55	47.7	8.8	1 J
100	-56°	570	3	38.6	-56	4.5	8.6	1 V

Identified by DMC, Sept. 26, 1912  
 Checked Oct. 16, 1912 J.W.  
 cards made out by M.C.W.

Monday, Sept. 23, 1914.

June 12 25

B 12036 short days.

No. Int. Class Remark

1	2	$\frac{1}{2}$	
2	3	$\frac{1}{5}$	
3	2	$\frac{1}{2}$	
4	3	$\frac{1}{5}$	
5	1	$\frac{1}{10}$	
6	5	$\frac{1}{10}$	
7	2	$\frac{1}{10}$	
8	2	$\frac{1}{15}$	
9	2	$\frac{1}{10}$	
10	4	A	Poor focus.
11	2	$\frac{1}{15}$	
12	4	$\frac{1}{10}$	
13	1	$\frac{1}{10}$	
14	2	$\frac{1}{10}$	
15	9	$\frac{1}{5}$	B 5648 long exp. Sp. Fr. Sub 5-
16	4	$\frac{1}{10}$	
17	4	$\frac{1}{10}$	
18	3	A	Focus poor.
19	2	$\frac{1}{10}$	
20	4	A	Focus poor.
21	2	$\frac{1}{10}$	
22	3	$\frac{1}{10}$	
23	7	A	B 5648 long exp. A2 Sub 3
24	3	$\frac{1}{10}$	
25	3	$\frac{1}{10}$	
26	1	$\frac{1}{10}$	
27	1	$\frac{1}{10}$	

1	-55°	540	3	37.6	-55	27.7	8.6 ✓
2	-55°	561	3	37.3	-55	51.1	8.4 ✓
3	-55°	563	3	40.1	-55	5.9	8.8 ✓
4	-56°	574	3	41.9	-56	43.4	8.3 ✓
5	-57°	567	3	41.2	-57	1.0	8.8 ✓
6	-57°	569	3	42.0	-57	3.0	8.1 ✓
7	-57°	572	3	44.2	-57	3.6	8.4 ✓
8	-56°	582	3	45.3	-56	50.8	8.5 ✓
9	-56°	584	3	46.8	-56	31.5	8.6 ✓
10	-57°	586	3	48.9	-57	1.6	8.2 ✓
11	-57°	591	3	51.1	-57	27.1	8.8 ✓
12	-57°	602	3	55.2	-57	7.3	8.1 ✓
13	-57°	603	3	55.6	-57	7.0	8.4 ✓
14	-57°	605	3	55.7	-57	14.2	8.5 ✓
15	-57°	606	3	56.0	-57	27.5	6.6 ✓
16	-57°	612	3	59.0	-57	34.0	7.8 ✓
17	-57°	614	3	0.2	-57	48.4	7.8 ✓
18	-56°	615	3	58.5	-56	40.5	8.1 ✓
19	-56°	625	4	1.8	-56	29.4	8.6 ✓
20	-56°	628	4	4.0	-56	54.7	8.3 ✓
21	-56°	634	4	6.1	-56	53.1	8.6 ✓
22	-58°	353	4	9.9	-58	7.6	8.4 ✓
23	-58°	358	4	11.2	-58	20.2	6.8 ✓
24	-58°	359	4	12.1	-58	3.5	8.7 ✓
25	-56°	651	4	13.1	-56	49.8	8.5 ✓
26	-57°	633	4	11.2	-57	13.8	8.8 ✓
27	-57°	630	4	10.5	-57	8.8	8.8 ✓

Cards made out



42	10	20	Conf. in B	long deep.
43	4	15		

28	-57°	628	4	9.0	-57	16.0	58.5
29	-57°	639	4	15.3	-57	36.7	8.5
30	-58°	366	4	15.0	-58	7.4	2.7
31	-58°	371	4	16.2	-58	43.0	2.7
32	-59°	329	4	17.0	-59	2.9	7.1
33	-59°	324	4	14.3	-59	36.1	6.4
34	-59°	321	4	12.4	-59	24.1	8.6
35	-58°	370	4	15.7	-58	52.2	9.1
36	-58°	368	4	15.4	-58	27.8	8.8
37	-58°	364	4	13.9	-58	36.4	9.1
38	-57°	645	4	19.0	-57	50.1	8.5
39	-57°	658	4	21.7	-57	32.3	7.2
40	-57°	659	4	21.8	-57	21.2	7.1
41	-55°	596	4	0.1	-55	56.8	8.8

Identified by J. C. M. Oct. 2, 1912.

Checked by A.M.C. Oct. 4, 1912

cards made out by M. C. W.

✓	42	-61	317	4	14.5	-61	15 <sup>0</sup>	6.0	150 m B23P22
	43	-59°	318	4	9.5	-59	29	7.8	✓

no. 43 ident. in book by J.B.M. April 5, 1916.

on card "M.A.H."

Monday, Sept. 23, 1912.

Time: 1:30

1323803 short dips.

Nr.	Int.	Class	Remark
1	3	ly	
2	3	ly	
3	6	ly	
4	2	ly	
5	2	ly	
6	1	ly	
7	2	ly	
8	3	ly	
9	2	ly	
10	2	ly	
11	5	ly	
12	5	ly	
13	6	ly	
14	2	ly	
15	2	ly	
16	2	ly	
17	2	ly	
18	2	ly	
19	3	ly	
20	1	ly	
21	4	ly	
22	2	ly	
23	4	ly	
24	4	ly	
25	7	ly	
26	9	ly	
27	3	ly	

1	-60°	256	3	30.2	-60	14.0	8.8
2	-60°	257	3	31.5	-60	17.0	9.4
3	-60°	258	3	31.6	-60	33.4	8.4
4	-60°	255	3	28.9	-60	56.0	9.6
5	-60°	259	3	33.4	-60	17.0	9.2
6	-60°	260	3	34.2	-60	9.5	9.8
7	-59°	283	3	33.0	-59	40.8	9.4
8	-59°	287	3	41.0	-59	24.7	9.4
9	-59°	289	3	42.1	-59	35.9	9.4
10	-59°	290	3	42.9	-59	38.5	9.4
11	-60°	267	3	37.6	-60	28.6	8.4
12	-60°	265	3	37.4	-60	35.0	8.6
13	-60°	266	3	39.5	-60	54.6	8.4
14	-60°	268	3	40.6	-60	56.9	9.8
15	-61°	269	3	41.1	-61	54.1	9.8
16	-62°	285	3	34.8	-62	2.9	9.8
17	-61°	272	3	35.3	-62	7.0	9.8
18	-61°	274	3	40.6	-61	42.3	9.4
19	-61°	277	3	42.5	-61	29.4	9.0
20	-61°	279	3	42.6	-61	50.8	9.8
21	-61°	278	3	42.6	-61	10.0	9.0
22	Apr. 1875	1875	3	43.5	-61	7.0	9.0
23	-60°	269	3	44.3	-60	19.3	8.8
24	-60°	270	3	47.2	-60	29.8	9.2
25	-60°	271	3	48.2	-60	48.1	8.8
26	-60°	272	3	49.5	-60	43.9	7.8
27	-61°	280	3	45.4	-61	33.4	8.8

Cards made out

Monday, Sept. 23, 1913.

73 22702 short deep

No. Int. Class Remarks

28	H	110
29	1	110
30	1	110
31	4	110
32	2	110
33	7	Q2
34	5	110
35	7	Q3
36	8	115
37	5	110
38	4	118
39	10+	115
40	10	110
41	9	115
42	5	119
43	7	Q3
44	7	115
45	1	115
46	2	110
47	6	112
48	10+	Ma
49	3	115
50	2	110
51	7	110
52	2	115
53	5	110
54	2	115

The following of two.

28	-61°	283	3	47.0	-61	21.0	8.6 ✓
29	-61°	281	3	46.1	-61	59.1	9.8 ✓
30	-61°	282	3	46.7	-61	43.2	9.8 ✓
31	-59°	293	3	51.3	-59	47.0	8.8 ✓
32	-60°	273	3	51.8	-60	53.1	9.4 ✓
33	-60°	274	3	53.3	-60	20.7	8.5 ✓
34	-60°	276	3	53.9	-60	57.3	8.9 ✓
35	-61°	285	3	53.6	-61	8.9	8.0 ✓
36	-61°	284	3	53.3	-61	16.2	7.4 ✓
37	-61°	289	3	56.7	-61	39.4	8.6 ✓
38	-61°	291	3	57.2	-61	31.2	8.8 ✓
39	-61°	290	3	56.8	-61	45.2	6.6 ✓
40	-61°	293	3	59.3	-61	25.8	6.5 ✓
41	-61°	295	4	0.4	-61	42.3	6.8 ✓
42	-61°	296	4	1.3	-61	35.8	8.4 ✓
43	-61°	299	4	3.2	-61	49.2	8.2 ✓
44	-62°	310	3	58.1	-62	14.7	7.6 ✓
45	-62°	311	3	58.6	-62	15.5	9.2 ✓
46	-62°	314	3	59.4	-62	20.4	9.5 ✓
47	-62°	315	3	59.8	-62	18.3	8.0 ✓
48	-62°	312	3	59.1	-62	30.5	6.5 ✓
49	-62°	319	4	1.1	-62	43.7	8.8 ✓
50	-62°	317	4	0.5	-62	58.4	9.2 ✓
51	-63°	285	3	58.6	-63	15.2	8.1 ✓
52	-63°	286	3	59.1	-63	33.2	8.8 ✓
53	-63°	267	3	49.0	-63	32.1	8.7 ✓
54	-63°	265	3	48.5	-63	36.2	9.2 ✓

-63° 287 unperfected.

cards made out



Thursday, Sept. 23, 1912.

1323802 short dips.

No.	Lat.	Class	Remark
55	3	Ho	
56	3	Ho	
57	2	Ho	
58	1	Ho	
59	1	Ho	Maybe Mr. Grant unless confirmed.
60	2	Ho	
12.54	61	4	Ho
1.09	62	5	Ho
	63	2	Ho
	64	2	Ho
	65	2	Ho
	66	2	Ho
	67	1	Ho
	68	3	Ho
	69	2	Ho
	70	2	Ho
	71	4	Ho
	73	3	Ho
	73	6	Ho
	74	4	Ho
	75	5	Ho
	76	7	Ho
	77	7	Ho
	78	3	Ho
	79	4	Ho
	80	5	Ho
	81	2	Ho

55	-64°	279	3	49.4	-64	9.4	9.01
56	-64°	277	3	48.9	-64	26.9	9.01
57	-64°	273	3	47.2	-64	30.2	9.41
58	-63°	271	3	52.3	-63	33.0	9.21
59	-63°	274	3	53.5	-63	38.1	9.51
60	-63°	276	3	54.6	-63	18.2	9.11
61	-62°	307	3	54.8	-62	37.0	8.81
62	-62°	302	3	52.9	-62	27.3	8.61
63	-61°	286	3	53.6	-61	55.0	9.51
64	-62°	306	3	54.7	-62	42	9.61
65	-62°	309	3	56.6	-62	23.4	9.11
66	-63°	270	3	51.3	-63	0.5	9.11
67	-62°	300	3	51.7	-62	58.2	9.51
68	-63°	280	3	55.7	-63	31.7	9.21
69	-64°	289	3	56.5	-64	6.2	9.21
70	-64°	291	3	57.3	-64	11.2	9.41
71	-64°	295	3	02	-64	3.3	9.01
72	-63°	291	4	1.8	-63	55.7	9.51
73	-63°	293	4	2.5	-63	27.0	8.71
74	-63°	292	4	2.4	-63	7.4	9.21
75	-63°	294	4	3.2	-63	3.9	9.01
76	-63°	299	4	6.2	-63	5.5	8.41
77	-62°	324	4	7.3	-62	53.3	8.71
78	-63°	301	4	6.7	-63	26.2	9.41
79	-63°	300	4	6.5	-63	39.7	9.11
80	-63°	305	4	9.6	-63	28.8	8.51
81	-63°	309	4	11.2	-63	46.9	9.51

cards made out

Monday, Sept. 23, 1912.

B 23802 short circ.

hr	Int.	Class	Remarks
82	3	J <sub>10</sub>	
83	3	J <sub>10</sub>	
84	2	J <sub>10</sub>	
85	1	J <sub>10</sub>	
86	10	J <sub>10</sub>	
87	2	J <sub>10</sub>	
88	2	A <sub>2</sub>	
89	2	J <sub>10</sub>	
90	4	J <sub>10</sub>	
91	3	J <sub>10</sub>	
92	5	J <sub>10</sub>	
93	7	J <sub>10</sub>	
94	2	J <sub>10</sub>	
95	2	J <sub>10</sub>	
96	2	J <sub>10</sub>	
97	10+	J <sub>10</sub>	Maybe J <sub>10</sub> .
98	10+	J <sub>10</sub>	Burned out.
99	3	J <sub>10</sub>	
100	6	J <sub>10</sub>	
101	7	J <sub>10</sub>	
102	3	J <sub>10</sub>	
103	4	J <sub>10</sub>	
104	4	J <sub>10</sub>	
105	3	B <sub>9</sub>	
106	2	J <sub>10</sub>	
107	4	J <sub>10</sub>	
108	1	J <sub>10</sub>	

82	-64°	314	4	13.4	-64	9.8	9.21
83	-62°	326	4	9.4	-62	46.0	9.11
84	-62°	323	4	6.9	-62	38.7	9.21
85	-62°	322	4	6.1	-62	26.9	9.41
86	-61°	307	4	8.3	-61	55.2	7.11
87	-61°	305	4	7.8	-61	45.0	9.51
88	-61°	300	4	5.3	-61	33.0	9.41
89	-61°	303	4	6.9	-61	29.9	9.41
90	-61°	309	4	9.5	-61	42.0	8.91
91	-61°	312	4	10.8	-61	43.1	9.61
92	-61°	310	4	10.3	-61	54.8	8.61
93	-61°	314	4	12.2	-61	57.4	8.71
94	-62°	330	4	11.2	-62	7.4	9.21
95	-62°	328	4	10.8	-62	18.9	9.21
96	-62°	333	4	12.9	-62	17.8	9.41
97	-62°	334	4	13.2	-62	30.3	6.41
98	-62°	332	4	12.8	-62	47.3	4.01
99	-62°	336	4	16.7	-62	18.4	9.01
100	-62°	338	4	18.1	-62	34.3	8.41
101	-62°	337	4	17.6	-62	44.6	8.21
102	-62°	342	4	19.8	-62	9.9	8.91
102	-62°	345	4	20.8	-62	7.6	8.61
104	-58°	313	3	45.0	-58	0.9	8.01
105	-58°	311	3	44.7	-58	27.6	8.81
106	-58°	316	3	46.1	-58	23.1	8.81
107	-58°	315	3	45.5	-58	36.1	8.61
108	Approx. 1875		3	44.8	-59	8.5	J.M.V.

cards made out

Monday, Sept. 23, 1912.

B 23002 short dirps.

No.	Int.	Class	Remark
109	2	L <sub>5</sub>	
110	3	L <sub>5</sub>	
111	3	L <sub>5</sub>	
112	5	L <sub>5</sub>	
113	3	L <sub>5</sub>	
114	3	L <sub>5</sub>	
115	2	L <sub>5</sub>	
116	3	L <sub>5</sub>	
117	5	L <sub>5</sub>	
118	4	L <sub>5</sub>	
119	2	L <sub>5</sub>	
120	9	A <sub>0</sub>	
121	2	L <sub>5</sub>	
122	3	A	Region of J <sub>1</sub> superposed on 123.
123	3	L <sub>5</sub>	
124	2	L <sub>5</sub>	
125	7	L <sub>5</sub>	
126	8	A <sub>0</sub>	
127	3	L <sub>5</sub>	Focus very poor.
128	4	L <sub>5</sub>	
129	3	A <sub>0</sub>	
130	2	L <sub>5</sub>	
131	3	L <sub>5</sub>	Partly superposed on 132.
132	7	L <sub>5</sub>	
133	1	L <sub>5</sub>	
134	1	L <sub>5</sub>	
135	1	L <sub>5</sub>	

109	-59°	291	3	44.4	-59	26.4	9.2	✓	Two stars superposed. The southern star is the brighter. The northern star is the fainter. The distance between the two stars is about 1.5".
110	Approx.	1875	3	48.0	-59	27	9.0	✓	
111	-59°	292	3	49.0	-59	37.4	9.0	✓	
112	-58°	320	3	48.9	-58	57.0	8.6	✓	
113	-58°	326	3	52.2	-58	5.4	8.4	✓	
114	-58°	325	3	52.1	-58	18.2	8.8	✓	
115	-58°	323	3	51.7	-58	36.1	9.2	✓	
116	-58°	327	3	52.3	-58	34.1	8.8	✓	
117	-58°	328	3	52.3	-58	45.1	8.9	✓	
118	-58°	330	3	54.2	-58	50.9	9.0	✓	
119	-59°	296	3	57.2	-59	1.7	9.4	✓	
120	-59°	298	3	58.3	-59	0.8	6.8	✓	
121	-58°	336	3	58.5	-58	42.9	9.2	✓	
122	-57°	300	3	58.5	-59	17.7	9.1	✓	
123	-59°	299	3	58.3	-59	22.9	9.0	✓	
124	-59°	297	3	58.2	-59	39.4	9.1	✓	
125	-59°	308	4	1.9	-59	17.7	8.5	✓	
126	-58°	344	4	3.1	-58	49.0	7.2	✓	
127	-58°	340	4	2.4	-58	31.0	8.8	✓	-58° 34' superposed.
128	-58°	346	4	5.5	-58	51.4	8.6	✓	
129	-58°	347	4	6.4	-58	49.0	8.6	✓	
130	-58°	349	4	7.2	-58	54.0	8.8	✓	
131	-59°	304	4	0.6	-59	52.7	9.0	✓	
132	-59°	305	4	0.6	-59	55.3	7.4	✓	
133	-60°	283	3	57.9	-60	1.4	9.4	✓	
134	-60°	285	3	58.3	-60	42.2	9.6	✓	
135	Approx.	1875	3	59.2	-60	57	9.0	✓	SM. ✓

Cards made out



Monday, Sept. 23, 1912.

9328802 short disp.

No.	Int.	Class	Remark
136	2	G	
137	2	J <sub>15</sub>	
138	7	J <sub>15</sub>	
139	6	J <sub>15</sub>	
140	2	Ma.	
141	3	J <sub>15</sub>	
142	2	J <sub>15</sub>	
143	2	J <sub>15</sub>	Another star partly super passed?
144	3	J <sub>16</sub>	
145	3	J <sub>12</sub>	
146	6	J <sub>10</sub>	
147	3	J <sub>15</sub>	
148	2	J <sub>15</sub>	
149	3	J <sub>15</sub>	
150	10+	G	Turned out.
151	2	J <sub>12</sub>	
152	2	J <sub>18</sub>	
153	2	J <sub>10</sub>	
154	1	J <sub>11</sub>	
155	3	J <sub>12</sub>	
156	2	J <sub>15</sub>	
157	3	J <sub>16</sub>	
158	3	J <sub>13</sub>	
159	2	J <sub>15</sub>	
Time: 1.26	160	2	J <sub>12</sub>

Cook Bl. 52, 32

136	-61°	294	4	0.2	-61	9.1	9.4 J
137	-60°	288	4	3.6	-60	18.1	9.6 J
138	-60°	289	4	4.0	-60	12.5	7.9 J
139	-60°	293	4	5.2	-60	3.8	8.2 J
140	-60°	294	4	5.3	-60	46.7	9.4 J
141	-60°	295	4	7.4	-60	37.7	8.9 J
142	-60°	296	4	7.6	-60	42.7	9.0 J
143	-60°	291	4	4.5	-60	38.8	9.0 J
144	-61°	308	4	8.7	-61	5.5	9.2 J
145	-60°	298	4	10.0	-60	59.1	9.2 J
146	-60°	300	4	12.3	-60	31.2	8.6 J
147	-61°	315	4	12.6	-61	11.0	9.4 J
148	-61°	313	4	12.1	-61	28.7	9.6 J
149	-61°	316	4	13.6	-61	31.1	9.2 J
150	-61°	317	4	14.5	-61	15.3	6.0 J
151	-61°	321	4	15.2	-61	11.0	9.4 J
152	-61°	322	4	15.3	-61	17.2	9.4 J
153	-61°	318	4	14.6	-61	23.3	9.2 J
154	-61°	320	4	15.1	-61	34.6	9.4 J
155	-61°	324	4	15.9	-61	41.6	9.0 J
156	-61°	326	4	17.6	-61	33.5	9.2 J
157	-61°	328	4	18.2	-61	18.1	9.2 J
158	-61°	331	4	19.6	-61	11.2	8.8 J
159	-61°	327	4	17.8	-61	48.2	9.2 J
160	-61°	330	4	19.4	-61	56.6	8.8 J

-60° 292 super passed

Identified by J. C. W. October 2, 1912

Checked by Am. Oct. 4, 1912

cards made out by M. C. W.

Tuesday Sept. 24, 1910

Time: 9.35

N 37504

Nr. Int. Class Remark

1	3	Ho	
2	2	Ly	
3	2	Ho	
4	5	Ho	
5	4	Ho	
6	4	Ho	
7	3	Ly	
8	3	Ho	
9	4	Ho	
10	2	Ly	
11	3	Ly	
12	3	Ho	
13	6	Ly	
14	4	As	
15	4	As	
16	3	As	
17	2	Ho	
18	5	Ho	
19	2	Ly	
20	2	Ho	
21	2	Ly	
22	2	Ly	
23	1	Ho	
24	2	Ly	
25	2	As	
26	3	Ho	
27	3	Ly	E

1	+17°	2273	10	39.0	+17	17.5	7.0	1 ✓
2	+17°	2274	10	39.7	+17	41.3	8.7	1 ✓
3	+18°	2408	10	41.0	+18	1.1	8.9	1 ✓
4	+17°	2279	10	41.7	+17	55.4	7.0	1 ✓
5	+18°	2175	10	43.3	+18	49.2	7.7	1 ✓
6	+18°	2180	10	44.3	+16	51.7	8.0	1 ✓
7	+17°	2286	10	45.0	+17	57.2	8.2	1 ✓
8	+17°	2287	10	45.2	+17	27.2	8.6	1 ✓
9	+17°	2289	10	45.5	+17	43.7	8.2	1 ✓
10	+17°	2291	10	46.2	+17	53.0	8.9	1 ✓
11	+19°	2392	10	47.7	+19	18.9	8.5	1 ✓
12	+19°	2394	10	48.4	+19	36.7	8.7	1 ✓
13	+18°	2420	10	48.2	+18	58.8	7.2	1 ✓
14	+18°	2422	10	48.9	+18	24.7	8.3	1 ✓
15	+18°	2427	10	50.0	+18	43.8	8.0	1 ✓
16	+19°	2398	10	50.8	+19	22.6	8.8	1 ✓
17	+18°	2428	10	51.3	+18	29.5	8.0	1 ✓
18	+18°	2429	10	51.4	+18	36.7	7.0	1 ✓
19	+18°	2420	10	51.9	+18	47.1	8.5	1 ✓
20	+18°	2431	10	52.3	+18	16.1	8.9	1 ✓
21	+17°	2301	10	50.8	+17	57.2	8.8	1 ✓
22	+16°	2186	10	48.4	+16	55.2	7.9	1 ✓
23	+16°	2191	10	50.0	+16	31.9	7.3	1 ✓
24	+16°	2193	10	50.5	+16	15.5	8.7	1 ✓
25	+16°	2195	10	50.6	+16	26.8	9.0	1 ✓
26	+16°	2220	10	51.7	+16	19.8	7.7	1 ✓
27	+15°	2267	10	50.3	+15	14.2	8.2	1 ✓

Cards made out

Tuesday, Sept. 24, 1912.

I 37504

Nr.	Int.	Class	Remarks
28	4	I <sub>10</sub>	E.
29	3	I <sub>10</sub>	
30	2	I <sub>10</sub>	
31	1	I <sub>10</sub>	
32	4	I <sub>10</sub>	
33	3	I <sub>10</sub>	
34	1	I <sub>10</sub>	
35	2	I <sub>10</sub>	
36	2	I <sub>10</sub>	
37	2	I <sub>10</sub>	
38	3	I <sub>10</sub>	
39	5	I <sub>10</sub>	
40	5	I <sub>10</sub>	
41	7	I <sub>10</sub>	
42	4	I <sub>10</sub>	E.
43	4	Ma	E.
44	2	I <sub>10</sub>	
45	2	I <sub>10</sub>	
46	2	I <sub>10</sub>	
47	2	I <sub>10</sub>	
48	1	I <sub>10</sub>	Confirmed on I 22657.
49	1	I <sub>10</sub>	
50	2	I <sub>10</sub>	
51	1	I <sub>10</sub>	
52	2	I <sub>10</sub>	
53	4	I <sub>10</sub>	
54	6	I <sub>10</sub>	

28 +15°	2276	10	53.8 +15	47.9	8.0	1.1
29 +17°	2304	10	52.1 +17	10.2	8.0	1.1
30 +17°	2300	10	50.7 +17	22.6	8.2	1.1
31 +18°	2433	10	53.6 +18	29.0	8.9	1.1
32 +18°	2436	10	54.0 +18	7.1	8.0	1.1
33 +17°	2308	10	54.7 +17	39.6	8.0	1.1
34 +18°	2438	10	54.5 +18	24.4	8.3	1.1
35 +18°	2439	10	54.7 +18	50.5	9.0	1.1
36 +17°	2309	10	56.4 +17	1.7	8.3	1.1
37 +17°	2312	10	57.7 +17	21.8	8.8	1.1
38 +17°	2314	10	58.8 +17	38.1	9.0	1.1
39 +18°	2452	10	59.1 +18	30.9	6.5	1.1
40 +17°	2318	11	1.0 +17	59.6	6.8	1.1
41 +16°	2224	11	2.4 +16	41.1	7.0	1.1
42 +15°	2283	10	56.7 +15	31.0	8.0	1.1
43 +15°	2290	10	57.1 +15	57.9	7.5	1.1
44 +16°	2221	11	2.1 +16	39.6	8.5	1.1
45 +15°	2294	11	1.3 +15	59.4	8.0	1.1
46 +15°	2295	11	2.1 +15	55.1	8.5	1.1
47 +15°	2291	10	59.6 +15	48.5	9.0	1.1
48 +16°	2212	10	59.5 +16	5.6	9.1	1.1
49 +16°	2206	10	56.5 +16	38.1	8.7	1.1
50 +17°	2316	11	0.2 +17	39.8	8.6	1.1
51 +17°	2319	11	1.1 +17	35.0	8.9	1.1
52 +17°	2323	11	3.3 +17	51.1	9.0	1.1
53 +19°	2425	11	3.2 +19	9.9	8.6	1.1
54 +19°	2426	11	4.0 +19	29.5	8.1	1.1

cards made out



Tuesday, Sept. 24, 1912.

I 87504

No.	Int.	Class	Remarks
55	2	To	
56	7	Ly	
57	5	Ly	
58	10+	Co	
59	4	To	
60	9	Ma	
61	5	Co	E.
62	2	Ly	E.
63	3	To	E.
64	4	To	E.
65	4	To	E.
66	4	To	
67	3	Ly	E.
68	3	To	E.
69	3	Co	
70	1	Ly	
71	2	To	
72	3	To	
73	2	Ly	
74	10+	Co	
75	4	To	E.
76	8	Co	E.
77	2	Ly	E.
78	2	Ly	
79	3	To	E.
80	3	Ly	
81	3	Ly	

55	+19°	2429	11	5.0	+19	40.6	8.3	11
56	+20°	2572	11	6.1	+20	56.0	7.5	11
57	+20°	2573	11	6.7	+20	49.3	7.7	11
58	+21°	2298	11	6.4	+21	18.6	2.3	11
59	+22°	2334	11	7.1	+22	14.6	8.0	11
60	+23°	2322	11	7.5	+23	53.4	5.0	11
61	+22°	2348	11	10.4	+22	58.6	6.9	11
62	+22°	2340	11	9.4	+22	6.5	8.0	11
63	+21°	2304	11	11.9	+21	30.6	6.8	11
64	+21°	2308	11	13.4	+21	38.9	7.6	11
65	+22°	2347	11	12.4	+22	42.0	7.7	11
66	+20°	2577	11	8.0	+20	24.6	8.6	11
67	+19°	2436	11	8.9	+19	25.1	8.5	11
68	+18°	2438	11	12.2	+18	52.9	8.0	11
69	+17°	2330	11	6.7	+17	42.9	8.4	11
70	+17°	2328	11	5.4	+17	33.6	8.9	11
71	+16°	2230	11	5.0	+16	57.7	8.4	11
72	+17°	2331	11	7.0	+17	7.6	8.4	11
73	+17°	2333	11	8.0	+17	47.9	9.2	11
74	+16°	2234	11	6.6	+16	13.9	3.3	11
75	+15°	2311	11	7.8	+15	57.8	8.2	11
76	+15°	2301	11	4.1	+15	11.2	6.8	11
77	+15°	2297	11	2.3	+15	29.9	8.5	11
78	+16°	2226	11	3.3	+16	2.4	8.7	11
79	+15°	2302	11	4.5	+15	5.8	8.5	11
80	+17°	2337	11	9.7	+17	44.3	8.6	11
81	+16°	2242	11	10.6	+16	46.2	8.5	11

cards made out

82	+17°	2340	11	11.1	+17	14.4	8.0	✓	
83	+17°	2343	11	12.6	+17	14.6	7.8	✓	2342 magh. 9.0 suprac. 10.0 act.
84	+18°	2475	11	12.8	+18	6.6	7.2	✓	
85	+18°	2466	11	6.8	+18	12.1	8.8	✓	
86	+19°	2431	11	5.5	+19	52.2	9.2	✓	
87	+19°	2368	10	36.0	+19	4.7	6.7	✓	
88	+20°	2514	10	36.4	+20	30.8	6.8	✓	
89	+19°	2371	10	38.6	+19	39.5	5.6	✓	
90	+19°	2373	10	39.9	+19	44.0	8.1	✓	
91	+18°	2410	10	42.0	+18	50.5	9.0	✓	
92	+19°	2387	10	44.1	+19	28.9	8.5	✓	
93	+19°	2385	10	43.7	+19	56.4	9.1	✓	
94	+21°	2247	10	43.7	+21	3.3	7.9	✓	
95	+20°	2526	10	44.8	+20	55.8	9.0	✓	
96	+21°	2253	10	45.8	+21	23.8	9.3	✓	
97	+21°	2256	10	46.1	+21	17.2	8.5	✓	+21° 2257 9.3 suprac. 10.0
98	+21°	2260	10	46.6	+21	29.3	9.1	✓	
99	+21°	2262	10	46.8	+21	31.7	8.2	✓	
100	+20°	2531	10	47.9	+20	47.3	9.0	✓	
101	+20°	2532	10	48.3	+20	29.9	8.6	✓	
102	+20°	2533	10	48.5	+20	49.3	9.0	✓	
103	+21°	2265	10	49.5	+21	54.7	7.8	✓	
104	+22°	2290	10	49.4	+22	35.2	7.5	✓	
105	+22°	2291	10	50.8	+22	39.6	7.8	✓	
106	+22°	2293	10	50.9	+22	16.7	7.4	✓	
107	+22°	2292	10	50.8	+22	0.7	7.5	✓	
108	+22°	2295	10	51.0	+22	26.8	8.4	✓	

Cards made out

Tuesday, Sept. 24, 1912.

H37504

No.	Lat.	Class	Remark
109	5	No	
110	3	No	
111	4	No	
112	10	No	
113	5	No	
114	2	No	
115	1	No	Confirmed on H31665
116	1	No	
117	1	No	
118	5	No	
119	3	No	
120	2	No	
121	2	No	
122	5	No	
123	2	No	
124	6	No	
125	3	No	
126	2	No	
127	2	No	
128	4	No	
129	8	No	
130	5	No	
131	3	No	Partly obscured on 130.
132	5	No	
133	4	No	
134	1	No	
135	9	No	

109	+22°	2296	10	52.3	+22	47.5	7.0	✓
110	+21°	2270	10	53.5	+21	52.1	8.7	✓
111	+21°	2271	10	54.0	+21	56.8	8.0	✓
112	+20°	2547	10	54.6	+20	57.1	4.3	✓
113	+20°	2538	10	53.9	+20	24.5	6.8	✓
114	+20°	2540	10	52.1	+20	32.1	9.0	✓
115	+19°	2401	10	57.3	+19	57.7	8.7	✓
116	+19°	2420	10	57.1	+19	20.8	9.3	✓
117	+19°	2406	10	54.0	+19	49.3	9.2	✓
118	+20°	2546	10	54.2	+20	17.5	8.0	✓
119	+20°	2552	10	55.9	+20	21.8	9.0	✓
120	+20°	2553	10	55.9	+20	42.8	9.0	✓
121	+21°	2276	10	56.3	+21	40.3	8.8	✓
122	+21°	2279	10	57.4	+21	35.2	8.4	✓
123	+20°	2538	10	57.5	+20	55.5	8.8	✓
124	+21°	2282	10	59.2	+21	15.9	7.2	✓
125	+20°	2285	10	59.9	+21	8.3	8.3	✓
126	+21°	2286	10	0.0	+21	11.5	8.8	✓
127	+22°	2313	10	59.2	+22	19.7	8.6	✓
128	+21°	2283	10	59.4	+21	53.6	8.3	✓
129	+21°	2284	10	59.8	+21	56.8	7.3	✓
130	+21°	2288	11	0.7	+21	49.4	7.8	✓
131	+21°	2289	11	0.8	+21	57.5	8.0	✓
132	+22°	2316	10	59.7	+22	50.0	7.7	✓
133	+22°	2317	11	0.1	+22	50.4	8.3	✓
134	+22°	2318	11	0.3	+22	8.6	9.2	✓
135	+23°	2318	10	59.9	+24	6.7	6.5	✓

cards made out



Tuesday, Sept. 24, 1913.

I 37504

No. Int. Class Remarks

136	3	Fr
137	2	Fr
138	7	Fr
139	1	Ly
140	2	Ly
141	5	Ly
142	2	Ly
143	1	Ly
144	1	Ly
145	1	Ly
146	1	Ly
147	3	Ly
148	2	Fr
149	3	Ly
149a	1	Fr
150	2	Fr
151	3	Fr
152	3	Fr
153	2	Ly
154	2	Ly
155	3	Fr
156	2	Ly
157	1	Ly
158	1	Ly
159	2	Ly
160	1	Fr
161	2	Ly
162	2	Ly

Another star partly superseded.

136 + 23°	2308 11	0.2 + 23	46.3	8.0	Λ
137 + 23°	2310 11	1.1 + 23	42.3	8.8	Λ
138 + 23°	2313 11	2.6 + 23	29.2	7.5	Λ
139 + 22°	2323 11	2.3 + 22	23.1	9.2	Λ
140 + 22°	2324 11	2.4 + 22	25.2	8.8	Λ
141 + 22°	2326 11	3.2 + 22	7.0	7.0	Λ
142 + 22°	2329 11	4.5 + 22	50.8	8.7	Λ
143 + 19°	2408 10	53.1 + 19	7.4	9.0	Λ
144 + 19°	2407 10	55.0 + 19	19.2	9.3	Λ
145 + 19°	2410 10	55.7 + 19	15.2	9.3	Λ
146 + 19°	2412 10	57.1 + 19	36.4	9.0	Λ
147 + 19°	2415 10	58.0 + 19	37.6	8.3	Λ
148 + 19°	2444 10	56.7 + 18	40.5	9.0	Λ
149 + 19°	2419 10	59.1 + 19	54.8	4.20	25.59 mag 8.8 superseded
149a + 18°	2450 10	57.7 + 18	26.4	9.5	Λ
150 + 20°	2560 10	59.2 + 20	30.1	8.8	Λ
151 + 19°	2420 10	59.8 + 19	29.2	8.5	Λ
152 + 19°	2421 11	1.0 + 19	28.2	8.8	Λ
153 + 20°	2561 11	0.5 + 20	43.1	9.1	Λ
154 + 20°	2562 11	1.1 + 20	35.2	9.0	Λ
155 + 21°	2292 11	1.2 + 21	3.3	8.3	Λ
156 + 21°	2293 11	1.7 + 21	47.9	8.8	Λ
157 + 22°	2321 11	1.9 + 22	5.2	9.4	Λ
158 + 19°	2424 11	2.7 + 19	59.4	9.3	Λ
159 + 20°	2565 11	3.2 + 20	11.0	9.5	Λ
160 + 20°	2568 11	4.6 + 20	32.1	9.2	Λ
161 + 20°	2569 11	4.9 + 20	54.1	9.3	Λ
162 + 18°	2460 11	4.0 + 18	57.0	9.0	Λ

Cards made out

Tuesday, Sept. 24, 1912.

I 37504

No.	Int.	Class	Remark
163	2	H <sub>0</sub>	
164	3	H <sub>0</sub>	E.
165	2	H <sub>0</sub>	Extrema edge.
166	3	H <sub>0</sub>	E.
167	1	H <sub>0</sub>	
168	2	H <sub>0</sub>	
169	3	H <sub>0</sub>	
170	2	H <sub>0</sub>	
171	1	H <sub>0</sub>	
172	5	H <sub>0</sub>	
173	3	H <sub>0</sub>	
174	2	H <sub>0</sub>	
175	4	H <sub>0</sub>	
176	3	H <sub>0</sub>	
177	2	H <sub>0</sub>	
178	1	H <sub>0</sub>	
179	2	H <sub>0</sub>	
180	3	H <sub>0</sub>	
181	5	H <sub>0</sub>	
182	7	H <sub>0</sub>	E.
183	2	H <sub>0</sub>	E.
184	2	H <sub>0</sub>	E.
185	3	H <sub>0</sub>	E.
186	2	H <sub>0</sub>	
187	5	H <sub>0</sub>	
188	6	H <sub>0</sub>	
189	7	H <sub>0</sub>	

163 +19°	2432	11	6.1	+19	23.7	8.5	^
164 +21°	2280	10	36.8	+21	27.6	8.5	^
165 +22°	2268	10	37.0	+22	2.2	9.2	^
166 +21°	2232	10	37.4	+21	58.5	8.5	^
167 +21°	2234	10	39.3	+21	21.2	9.5	^
168 +21°	2236	10	39.5	+21	33.4	8.5	^
169 +21°	2235	10	39.4	+21	48.2	8.5	^
170 +22°	2272	10	39.6	+22	40.2	8.5	^
171 +23°	2259	10	39.3	+23	0.1	9.0	^
172 +23°	2261	10	39.4	+23	20.6	8.0	^
173 +22°	2273	10	40.5	+22	51.7	8.1	^
174 +22°	2274	10	40.7	+22	35.1	9.2	^
175 +22°	2278	10	41.6	+22	28.1	8.7	^
176 +21°	2240	10	41.2	+21	39.6	8.4	^
177 +20°	2520	10	41.2	+20	33.5	9.1	^
178 +20°	2522	10	41.7	+20	45.8	9.2	^
179 +21°	2246	10	43.3	+21	35.8	9.1	^
180 +23°	2264	10	41.8	+23	35.8	8.5	^
181 +23°	2265	10	42.0	+23	56.6	7.8	^
182 +24°	2279	10	42.8	+24	10.8	6.8	^
183 +24°	2280	10	43.3	+24	16.8	8.8	^
184 +24°	2281	10	43.6	+24	10.3	8.9	^
185 +24°	2285	10	47.0	+24	31.4	8.5	^
186 +23°	2276	10	46.7	+23	43.0	8.7	^
187 +23°	2277	10	47.7	+23	56.2	7.3	^
188 +24°	2287	10	48.5	+24	2.4	7.3	^
189 +23°	2279	10	48.5	+23	7.9	6.2	^

cards made out

Tuesday, Sept. 24, 1913.

I 27504

No.	Int.	Class	Remark
190	1	G	
191	1	G	
192	1	G	Partly superposition 191.
193	1	G	
194	3	G	E.
195	2	A	E.
196	4	G	
197	3	G	E.
198	3	G	
199	3	G	E.
200	5	A	E.
201	2	G	The m. f. of two.
202	2	G	
203	4	G	
204	4	G	
205	1	G	
206	2	G	
207	2	G	
208	3	G	
209	1	G	
210	2	G	
211	3	G	
212	2	G	

Time: 10.36

213

214

The faint stars on this plate were looked  
upon short discussion I 22657, 36615

190 + 22°	2284	10	45.1	+ 22	37.5	9.0	✓
191 + 22°	2285	10	45.1	+ 22	54.8	9.2	✓
192 + 22°	2286	10	45.2	+ 22	55.1	9.0	✓
193 + 23°	2274	10	45.4	+ 23	2.7	9.2	✓
194 + 24°	2291	10	45.4	+ 24	54.8	7.7	✓
195 + 23°	2286	10	51.1	+ 23	55.7	9.3	✓
196 + 23°	2281	10	52.0	+ 23	43.7	8.7	✓
197 + 24°	2298	10	52.8	+ 24	29.0	8.3	✓
198 + 24°	2299	10	53.1	+ 24	4.9	8.0	✓
199 + 24°	2300	10	53.1	+ 24	50.9	8.4	✓
200 + 24°	2305	10	54.6	+ 24	27.1	8.1	✓
201 + 23°	2301	10	55.2	+ 23	54.8	9.0	✓
202 + 24°	2308	10	55.5	+ 24	9.3	8.6	✓
203 + 23°	2303	10	56.2	+ 23	56.6	8.2	✓
204 + 23°	2306	10	58.1	+ 23	27.8	8.5	✓
205 + 23°	2293	10	53.7	+ 23	18.0	8.8	✓
206 + 23°	2297	10	54.3	+ 23	22.3	8.5	✓
207 + 22°	2299	10	54.2	+ 22	46.9	9.0	✓
208 + 22°	2300	10	54.5	+ 22	46.1	8.8	✓
209 + 22°	2302	10	54.9	+ 22	44.1	9.2	✓
210 + 22°	2303	10	55.5	+ 22	29.3	9.3	✓
211 + 22°	2305	10	55.9	+ 22	43.1	9.0	✓
212 + 22°	2308	10	56.8	+ 22	57.6	9.4	✓

Identified by J. B. W. Dec. 11, 1917.

Checked, May 20, 1913, J. B. W.  
cards made out by M. C. W.



Wednesday, Sept 25, 1912

Time: 12.03

No.	Lat.	Class	Remarks
1	5	45	
2	2	40	
3	2	45	
4	3	<del>45</del>	
5	3	45	
6	1	45	
7	4	40	
8	5	40	
9	2	47	
10	3	40	
11	3	40	
12	1	40	
13	5	40	
14	4	40	
15	8	45	
16	6	45	
17	3	45	
18	2	40	
19	1	45	
20	3	42	
21	4	42	
22	3	40	
23	2	45	
24	2	45	Partly superseded on 16.
25	2	45	
26	7	40	E.
27	10	42	E.

I 3735 A<sup>0</sup>  
 (Plate numbers changed after the first 8 then were changed)  
 all were re. changed on 37350  
 No. 4 was changed from  
 K<sub>0</sub> to M<sub>0</sub>, as the image  
 is clearer on 37350. By  
 allis, I started to write  
 M<sub>0</sub>, although thinking M<sub>0</sub>

1 +1°	4731	23	23.7 + 1	33.5	8.0	✓
2 +2°	4674	23	24.5 + 2	37.8	8.1	✓
3 +2°	4676	23	25.1 + 2	14.1	8.1	✓
4 +2°	4680	23	25.5 + 2	35.1	8.3	✓
5 +3°	4867	23	25.0 + 3	14.7	8.5	✓
6 +3°	4868	23	25.7 + 3	1.3	9.0	✓
7 +3°	4869	23	25.8 + 3	33.1	8.1	✓
8 +3°	4870	23	26.0 + 3	50.8	8.0	✓
9 +3°	4872	23	26.6 + 3	24.4	8.8	✓
10 +2°	4684	23	27.1 + 2	29.0	8.5	✓
11 +3°	4878	23	28.2 + 3	14.7	9.0	✓
12 +2°	4685	23	28.5 + 2	25.8	8.8	✓
13 +2°	4686	23	28.7 + 2	20.4	8.0	✓
14 +1°	4742	23	28.5 + 1	37.7	8.5	✓
15 +1°	4744	23	29.0 + 1	17.7	6.8	✓
16 +0°	5018	23	28.1 + 0	31.2	7.2	✓
17 +1°	4740	23	28.0 + 1	23.6	8.5	✓
18 +1°	4737	23	27.0 + 1	12.5	8.5	✓
19 +1°	4736	23	26.8 + 1	29.7	9.0	✓
20 +0°	5012	23	24.3 + 0	25.6	9.0	✓
21 +0°	5009	23	23.3 + 0	4.5	7.7	✓
22 +0°	5008	23	22.5 + 0	21.7	8.5	✓
23 +0°	5015	23	27.1 + 0	25.1	9.0	✓
24 +0°	5019	23	28.1 + 0	10.1	9.1	✓
25 -0°	4532	23	27.7 - 0	36.4	9.0	✓
26 -1°	4450	23	24.6 - 1	51.8	6.7	✓
27 -2°	5986	23	26.7 - 2	3.0	6.0	✓

candle made out

Wednesday, Sept. 25, 1913.

I 87350

No.	Int.	Class	Remarks
28	2	g.	E.
29	6	A2	E.
30	1	H	E.
31	2	g.	E.
32	3	g <sub>5</sub>	E.
33	4	g <sub>0</sub>	E.
34	5	g <sub>0</sub>	
35	3	g <sub>1</sub>	
36	4	g <sub>0</sub>	
37	2	g <sub>5</sub>	
38	1	g	
39	10	A5	
40	3	H2	
41	2	g <sub>5</sub>	Partly superposed on 42.
42	2	g <sub>0</sub>	
43	4	g <sub>0</sub>	
44	5	A0	
45	2	g <sub>0</sub>	
46	2	g <sub>0</sub>	
47	3	g <sub>5</sub>	
48	3	g <sub>2</sub>	
49	5	g <sub>5</sub>	
50	5	g <sub>0</sub>	
51	6	g <sub>5</sub>	
52	2	g <sub>0</sub>	
53	5	g <sub>5</sub>	
54	5	g <sub>0</sub>	

28	-2°	5998	2.3	29.8	-2	18.9	8.6	↓
29	-2°	6000	2.3	30.7	-2	8.5	8.1	↓
30	-1°	4468	2.3	32.0	-1	45.9	9.0	↓
31	-1°	4469	2.3	32.3	-1	32.8	8.8	↓
32	-1°	4472	2.3	32.6	-1	32.3	9.0	↓
33	-1°	4473	2.3	33.3	-1	10.2	8.2	↓
34	0°	4547	2.3	33.3	-0	23.1	7.5	↓
35	+1°	4752	2.3	31.0	+1	6.6	9.0	↓
36	+1°	4751	2.3	31.0	+1	26.5	8.5	↓
37	+0°	5028	2.3	32.2	+0	42.2	9.2	↓
38	+0°	5029	2.3	32.6	+0	43.7	9.0	↓
39	+0°	5037	2.3	34.7	+0	59.1	4.6	↓
40	+1°	4758	2.3	33.9	+1	39.4	8.2	↓
41	+0°	5039	2.3	35.8	+0	6.2	8.9	↓
42	+0°	5038	2.3	35.8	+0	13.5	9.1	↓
43	0°	4561	2.3	36.9	-0	5.4	8.3	↓
44	0°	4560	2.3	35.9	-0	57.8	8.1	↓
45	0°	4558	2.3	35.5	-0	33.6	8.5	↓
46	0°	4553	2.3	34.5	-0	47.9	8.8	↓
47	-1°	4479	2.3	35.9	-1	31.4	8.0	↓
48	-2°	6021	2.3	34.9	-2	18.1	8.3	↓
49	-1°	4485	2.3	37.6	-1	28.0	7.3	↓
50	0°	4563	2.3	38.6	-0	31.9	8.2	↓
51	0°	4566	2.3	39.2	-0	16.3	7.9	↓
52	+1°	4764	2.3	36.7	+1	20.4	8.5	↓
53	+1°	4766	2.3	37.7	+1	17.0	8.5	↓
54	+0°	5042	2.3	36.4	+0	57.7	6.6	↓

cards made out

Wednesday, Sept. 25, 1912.  
I 37350

Nr.	Int.	Class	Remarks
55	2	ly	
56	5	h	9, 8, 10
57	3	ly	
57	2	f	Partly superseded on 57
59	8	f <sub>2</sub>	
60	3	A3	
61	2	ly	
62	9	A2	
63	6	h <sub>0</sub>	
64	3	ly	
65	2	ly	
66	2	f <sub>2</sub>	
67	2	f <sub>2</sub>	
68	1	ly	
69	4	ly	
70	1	ly	
71	4	ly	
72	3	ly	
73	4	h <sub>0</sub>	
74	5	ly	
75	4	f <sub>2</sub>	
76	5	f <sub>2</sub>	
77	4	ly	
78	3	ly	
79	1	f <sub>2</sub>	
80	3	f <sub>0</sub>	
81	4	h <sub>0</sub>	

55	+2°	4708	23	38.4	+2	4.7	9.0	✓
56	+2°	4709	23	39.0	+2	40.8	6.2	✓
57	+2°	4710	23	39.9	+2	4.9	8.5	✓
58	+1°	4770	23	40.0	+1	56.3	8.7	✓
59	+1°	4773	23	41.4	+1	23.9	7.7	✓
60	+0°	5052	23	41.3	+0	11.8	8.9	✓
61	-0°	4570	23	41.5	-0	21.3	8.7	✓
62	+0°	5054	23	42.0	+0	15.9	6.5	✓
63	-1°	4489	23	40.3	-1	33.5	7.5	✓
64	-1°	4490	23	40.8	-1	34.2	8.5	✓
65	+0°	5059	23	43.7	+0	46.2	9.1	✓
66	+0°	5057	23	43.1	+0	54.5	9.1	✓
67	+1°	4713	23	42.9	+1	6.5	8.7	✓
68	+1°	4710	23	42.7	+1	10.1	8.8	✓
69	+2°	4723	23	42.6	+2	3.8	8.3	✓
70	+2°	4720	23	42.1	+2	10.7	9.0	✓
71	+2°	4718	23	41.6	+2	22.3	8.5	✓
72	+2°	4719	23	41.8	+2	43.5	8.7	✓
73	+3°	4895	23	40.3	+3	25.2	8.2	✓
74	+3°	4896	23	40.4	+3	21.1	8.2	✓
75	+4°	5049	23	39.6	+4	26.8	8.5	✓
76	+4°	5054	23	41.9	+4	10.6	8.5	✓
77	+4°	5055	23	42.2	+4	5.5	8.5	✓
78	+3°	4897	23	42.7	+3	39.7	8.7	✓
79	+4°	5059	23	43.0	+4	6.4	9.0	✓
80	+4°	5057	23	42.6	+4	35.1	9.0	✓
81	+5°	5225	23	43.2	+5	13.0	8.7	✓

cards made out



Wednesday, Sept. 25, 1913.

I 37350

No.	Lat.	Class	Remark
82	6	F <sub>5</sub>	
83	9	G <sub>0</sub>	
84	4	F <sub>5</sub>	
85	3	F <sub>5</sub>	
86	4	F <sub>0</sub>	
87	4	F <sub>0</sub>	
88	6	F <sub>0</sub>	
89	8	F <sub>0</sub>	
90	5	F <sub>5</sub>	
91	4	F <sub>0</sub>	
92	2	F <sub>0</sub>	
93	1	F <sub>5</sub>	
94	9	G <sub>0</sub>	
95	3	F <sub>0</sub>	
96	4	F <sub>5</sub>	Region of H <sub>2</sub> superimposed on 94.
97	3	F <sub>5</sub>	
98	6	G <sub>0</sub>	
99	3	F <sub>0</sub>	
100	5	F <sub>5</sub>	
101	4	F <sub>5</sub>	
102	1	F <sub>0</sub>	
103	3	F <sub>5</sub>	
104	4	F <sub>2</sub>	Partly superimposed on 105.
105	2	F <sub>5</sub>	" " " 104.
106	6	F <sub>0</sub>	
107	2	F <sub>0</sub>	
108	2	F <sub>5</sub>	

82 + 3°	4899	2.3	44.3 + 3	58.6	7.5	1
83 + 3°	4900	2.3	44.5 + 3	58.9	7.7	2
84 + 4°	5064	2.3	45.8 + 4	21.3	8.7	1
85 + 4°	5065	2.3	46.1 + 4	0.5	8.4	2
86 + 4°	5066	2.3	46.7 + 4	4.8	7.9	1
87 + 4°	5067	2.3	47.2 + 4	15.1	8.5	1
88 + 8°	4728	2.3	46.9 + 2	52.6	7.8	2
89 + 8°	4725	2.3	44.6 + 2	7.8	6.5	1
90 + 1°	4786	2.3	43.7 + 1	25.9	7.5	1
91 + 0°	5064	2.3	44.9 + 0	41.6	8.3	2
92 + 1°	4790	2.3	45.0 + 1	34.3	9.0	1
93 + 1°	4791	2.3	45.5 + 1	39.5	9.0	1
94 + 1°	4792	2.3	45.7 + 1	16.1	7.2	2
95 + 0°	5066	2.3	46.1 + 0	53.2	8.6	2
96 + 1°	4793	2.3	45.7 + 1	30.6	8.5	2
97 + 1°	4795	2.3	46.3 + 1	54.5	8.8	2
98 + 1°	4799	2.3	47.0 + 1	40.2	8.2	2
99 + 2°	4730	2.3	47.7 + 2	26.4	8.5	1
100 + 2°	4781	2.3	48.2 + 2	42.6	8.0	2
101 + 2°	4732	2.3	48.6 + 2	44.1	8.5	1
102 + 2°	4733	2.3	49.0 + 2	46.9	9.0	2
103 + 2°	4734	2.3	49.3 + 2	56.1	8.5	1
104 + 2°	4735	2.3	49.6 + 2	12.4	8.5	1
105 + 2°	4736	2.3	49.7 + 2	16.2	8.2	1
106 + 2°	4737	2.3	50.0 + 2	12.2	8.5	2
107 + 1°	4804	2.3	49.1 + 1	6.7	9.0	2
108 + 0°	5071	2.3	49.1 + 0	26.4	8.7	2

Cards made out

Wednesday, Sept 25, 1913.

137350

Nr.	Lat.	Class	Remark
109	2	fs	
110	4	ma	
111	3	ly	
112	8	ly	
113	2	fs	
114	3	fs	
115	2	fly	Focus very poor. C.
116	2	H	" " " C.
117	5	ma	C.
118	4	fs	C.
119	4	ly	C.
120	5	fs	
121	7	Q3	
122	3	Q5	
123	4	Q0	
124	8	fs	C.
125	2	ly	
126	7	fs	
127	1	ly	
128	3	Q2	
129	1	fs	
130	5	fs	
131	3	fs	
132	6	Q5	
133	10 +	ly	
134	3	fs	
135	2	fs	

109 +0°	5068	23	48.5 +0	18.8	9.2	✓
110 -0°	4581	23	46.4 -0	12.5	7.9	✓
111 -0°	4584	23	47.2 -0	2.2	8.9	✓
112 -0°	4585	23	47.4 -0	42.2	6.2	✓
113 -0°	4500 <del>4584</del>	23	47.4 -0	44 <del>42.5</del>	8.5 <del>7.9</del>	✓
114 -0°	4592	23	49.0 -0	19.4	8.8	✓
115 -0°	4596	23	50.6 -0	56.2	8.6	✓
116 -1°	4513	23	51.7 -1	17.3	8.5	✓
117 -1°	4514	23	52.4 -1	4.7	7.0	✓
118 -1°	4515	23	52.8 -1	9.5	7.3	✓
119 -0°	4605	23	53.7 -0	52.5	8.0	✓
120 +4°	5016	23	22.8 +4	12.9	7.0	✓
121 +4°	5019	23	23.3 +4	26.0	7.5	✓
122 +4°	5020	23	23.6 +4	50.4	8.8	✓
123 +5°	5183	23	23.0 +5	38.0	7.8	✓
124 +6°	5168	23	24.8 +6	17.7	6.5	✓
125 +4°	5026	23	26.3 +4	46.3	9.0	✓
126 +4°	5029	23	27.0 +4	40.0	8.0	✓
127 +4°	5027	23	26.6 +4	20.0	8.8	✓
128 +5°	5197	23	29.4 +5	6.6	8.6	✓
129 +5°	5198	23	29.6 +5	21.6	8.8	✓
130 +6°	5174	23	28.9 +6	3.8	7.8	✓
131 +5°	5200	23	31.2 +5	26.1	8.6	✓
132 +5°	5204	23	31.8 +5	23.9	7.9	✓
133 +4°	5035	23	32.5 +4	50.7	4.2	✓
134 +4°	5036	23	32.9 +4	0.4	8.2	✓
135 +4°	5088	23	33.4 +4	23.2	8.8	✓

cards made out

Wednesday Sept. 25, 1912.

I 37356

No.	Int.	Class	Remark
136	2	I <sub>2</sub>	
137	2	I <sub>2</sub>	
138	1	I <sub>2</sub>	
139	1	I <sub>2</sub>	
140	6	I <sub>2</sub>	
141	2	I <sub>2</sub>	
142	4	O <sub>0</sub>	
143	1	I <sub>1</sub>	
144	5	I <sub>2</sub>	
145	2	I <sub>2</sub>	
146	6	I <sub>2</sub>	
147	2	I <sub>2</sub>	Another star superposed? No
148	4	O <sub>0</sub>	
149	10	O <sub>0</sub>	
150	4	I <sub>2</sub>	
151	5	I <sub>2</sub>	
152	2	I <sub>2</sub>	
153	2	I <sub>2</sub>	
154	2	I <sub>2</sub>	
155	5	I <sub>2</sub>	
156	2	I <sub>2</sub>	0, 2, 10. Dark band seen towards right.
157	3	O <sub>0</sub>	
158	3	I <sub>2</sub>	E.
159	4	O <sub>0</sub>	E.
160	2	I <sub>2</sub>	
161	2	I <sub>2</sub>	
162	9	O <sub>0</sub>	E.

136 +4°	5039	2.3	32.9 +4	25.6	8.7	J
137 +2°	4687	2.3	29.5 +2	50.5	9.3	J
138 +2°	4668	2.3	29.7 +2	32.1	9.2	J
139 +2°	4689	2.3	29.8 +2	40.4	8.8	V
140 +2°	4690	2.3	30.4 +2	34.4	8.0	J
141 +2°	4695	2.3	31.6 +2	34.8	9.0	V
142 +2°	4701	2.3	33.4 +2	49.5	8.7	J
143 +3°	4888	2.3	34.7 +3	28.0	9.0	J
144 +4°	5046	2.3	37.9 +4	18.8	8.7	V
145 +3°	4893	2.3	38.4 +3	29.4	9.3	V
146 +5°	5209	2.3	33.8 +5	27.2	8.5	V
147 +5°	5210	2.3	34.2 +5	28.7	8.8	J
148 +6°	5180	2.3	32.0 +6	16.0	8.4	V
149 +6°	5183	2.3	34.6 +6	27.1	6.5	V
150 +6°	5194	2.3	36.5 +6	27.0	8.0	J
151 +6°	5197	2.3	37.4 +6	23.6	7.4	V
152 +5°	5214	2.3	36.3 +5	40.3	8.8	V
153 +5°	5219	2.3	38.1 +5	40.3	8.7	J
154 +6°	5198	2.3	38.9 +6	23.0	8.4	V
155 +6°	5203	2.3	40.9 +6	22.6	8.0	J
156 +5°	5223	2.3	41.7 +5	35.1	8.7	V
157 +5°	5224	2.3	42.9 +5	44.6	8.5	V
158 +6°	5208	2.3	42.7 +6	14.5	8.4	J
159 +6°	5212	2.3	44.5 +6	39.7	8.3	J
160 +5°	5230	2.3	45.7 +5	52.3	8.5	V
161 +5°	5234	2.3	47.1 +5	46.4	8.7	J
162 +6°	5216	2.3	47.7 +6	15.8	6.8	V

cards on side out



Wednesday Sept 25, 1913  
I 37350

No. Lat. Class Remark

163	3	I <sub>2</sub>	
164	5	I <sub>10</sub>	
165	1	I <sub>1</sub>	
166	1	I <sub>1</sub>	
167	3	I <sub>30</sub>	
168	8	I <sub>30</sub>	
169	2	I <sub>5</sub>	
170	2	I <sub>10</sub>	
171	4	I <sub>1</sub>	E. Focus from
172	3	I <sub>1</sub>	E. " "
Time: 12.43	173	3	I <sub>10</sub>

174

175

163 +5°	5237 23	47.6 +5	8.2	8.8	✓
164 +5°	5236 23	47.5 +5	17.9	8.5	✓
165 +5°	5226 23	45.0 +5	8.0	9.0	✓
166 +5°	5233 23	46.8 +5	10.6	9.0	✓
167 +3°	4908 23	48.9 +3	50.4	8.8	✓
168 +3°	4909 23	49.4 +3	54.6	7.2	✓
169 +3°	4905 23	48.3 +3	16.8	8.8	✓
170 +4°	5093 23	50.4 +4	35.4	9.0	✓
171 +4°	5076 23	50.9 +4	50.8	9.0	✓
172 +3°	4913 23	51.7 +3	54.5	8.8	✓
173 +2°	4739 23	51.0 +2	45.2	8.5	✓

Identified by AMC. Oct. 18, 1912  
checked by Mr. C.W. Oct. 21, 1912.  
cards made out by Mr. C.W.

Wednesday Sept 25, 1932

Time 2.42

T 97260

No. Int. class Remark

1 3 G5 E

2 2 G 2

3 3 G 2

4 2 K 2

5 10 K0

6 3 G0

7 5 K0

8 3 K5

9 2 K Anthesis later superposed?

10 7 K0

11 20 mid 18 10 to 10 H p h c h. Cont. Sp. Ma

12 3 K0

13 4 G5

14 8 G0

15 3 K0

16 5 F0

17 2 K2

18 10+ K

19 20 G5

20 5 F0

21 1 K0

22 3 F0

23 3 G0

24 6 K0

25 3 K2

26 5 G0

27 4 K0

Mink Unstable which star is new

1 +5°	5150 23	8.1 +5	23.6	7.51	
2 +4°	4992 23	11.4 +4	22.7	9.1 +4	4993 superposed
3 +4°	4994 23	11.5 +4	37.0	8.5	
4 +5°	5157 23	12.1 +5	5.6	8.3	
5 +4°	4997 23	13.0 +4	35.3	5.5	
6 +7°	5004 23	11.0 +7	2.9	8.1	
7 +6°	5141 23	12.0 +6	26.5	7.7	
8 +6°	5143 23	13.0 +6	4.4	7.8	
9 +7°	5007 23	11.8 +7	27.0	8.8 +7	mag. 9.3
10 +7°	5009 23	12.5 +7	11.7	7.3	5006 superposed
11 +8°	50472 23	13.2 +8	7.6	Var	
12 +6°	5147 23	14.6 +6	49.5	8.3	
13 +6°	5148 23	15.2 +6	43.0	8.3	
14 +5°	5165 23	17.0 +5	23.5	7.8	
15 +4°	5003 23	16.0 +4	27.7	8.3	
16 +4°	5004 23	16.7 +4	8.4	8.3	
17 +6°	5153 23	17.6 +6	13.7	8.5	
18 +5°	5173 23	20.6 +5	35.3	4.7	
19 +4°	5013 23	20.4 +4	56.3	5.9	
20 +5°	5175 23	20.9 +5	17.4	8.2	
21 -5°	5176 23	21.1 +5	0.5	8.5	
22 +5°	5178 23	22.2 +5	17.4	8.3	
23 +6°	5160 23	21.3 +6	33.9	8.6	
24 +7°	5032 23	20.0 +7	16.2	7.7	
25 +7°	5038 23	20.7 +7	50.0	7.9	
26 +7°	5030 23	19.1 +7	51.8	7.1	
27 +8°	5058 23	18.8 +8	7.6	7.3	

cards made out

Wednesday Sept. 25, 1912

I 37360

No. Dist. class Remark

28	2	So	
29	6	So	
30	2	So	
31	20	K	
32	4	Ko	
33	4	So	
34	4	K2	
35	1	K	
36	4	K5	
37	2	g	Partly perpendicular on 36
38	2	So	
39	4	So	
40	7	Ko	
41	8	So	
42	3	Ko	
43	2	Ko	
44	1	K	
45	5	Q3	
46	3	So	
47	3	Q3	
48	1	g	
49	6	Ko	
50	6	Qo	
51	3	So	
52	5	So	
53	9	Q3	
54	3	Q2	

June 21, 48  
Sept. 28, 1912  
9.27

28	+7°	5028 23	18.0 +7	46.5	9.25
29	+8°	5066 23	21.2 +8	37.6	7.8 J
30	+9°	5221 23	21.5 +9	4.6	9.1 J
31	+9°	5224 23	22.6 +9	27.8	8.5 V
32	+9°	5226 23	23.4 +9	33.3	8.3 J
33	+8°	5071 23	23.6 +8	41.1	8.2 J
34	+8°	5072 23	24.0 +8	57.2	7.9 J
35	+8°	5074 23	24.3 +8	30.7	8.5 J
36	+7°	5040 23	23.5 +7	11.9	8.1 J
37	+6°	5166 23	23.5 +6	55.8	8.6 J
38	+7°	5045 23	25.3 +7	19.8	8.7 J
39	+7°	5055 23	26.9 +7	54.7	8.5 J
40	+7°	5059 23	28.1 +7	43.4	6.5 J
41	+7°	5060 23	28.2 +7	35.1	7.2 J
42	+10°	4945 23	24.0 +10	5.7	8.4 V
43	+10°	4947 23	24.8 +10	43.2	8.3 J
44	+10°	4948 23	25.0 +10	23.3	8.3 J
45	+10°	4949 23	25.2 +10	11.0	8.0 J
46	+10°	4950 23	25.6 +10	42.8	8.8 V
47	+10°	4953 23	26.8 +10	22.8	8.3 J
48	+9°	5243 23	27.0 +9	51.9	9.0 V
49	+10°	4958 23	27.9 +10	9.1	7.5 J
50	+10°	4963 23	29.6 +10	12.5	7.8 J
51	+11°	5020 23	27.0 +11	33.3	8.2 V
52	+11°	5022 23	27.4 +11	44.4	8.6 J
53	+11°	5026 23	27.9 +11	52.3	7.7 J
54	+12°	5008 23	30.7 +12	4.7	8.7 V

Can do made out



Thursday Sept. 27, 1912.

I 37360

No. Int. Class Remark

55	8	A3	
56	3	A3	E.
57	2	A5	
58	7	A5	
59	2	A5	
60	10	A2	
61	2	A3	
62	4	A5	
63	6	A5	
64	3	A5	
65	2	A5	Partly superposed on 64.
66	2	A5	Another star partly superposed.
67	2	A5	
68	2	A5	
69	2	A5	
70	2	A5	
71	3	A5	
72	8	A5	
73	4	A5	
74	2	A5	
75	5	A5	
76	8	A3	
77	6	A5	
78	2	A5	
79	4	A5	
80	3	A5	
81	10	A5	E.

55 + 11°	5038 23	31.6 + 11	24.1	7.8	✓
56 + 11°	5044 23	34.7 + 11	56.3	7.4	✓
57 + 10°	4978 23	33.0 + 10	3.3	9.0	✓
58 + 9°	5258 23	33.2 + 9	35.3	7.1	✓
59 + 9°	5254 23	32.4 + 9	15.8	7.7	✓
60 + 8°	5095 23	32.5 + 8	52.3	6.0	✓
61 + 8°	5092 23	29.8 + 8	41.6	7.9	✓
62 + 7°	5066 23	31.5 + 7	30.6	7.5	✓
63 + 7°	5075 23	33.4 + 7	32.3	7.3	✓
64 + 7°	5072 23	33.3 + 7	2.1	7.3	✓
65 + 7°	5071 23	33.2 + 7	13.7	7.3	✓
66 + 7°	5073 23	33.3 + 7	7.6	7.3 + 7°	✓
67 + 7°	5078 23	34.3 + 7	24.1	8.8	✓
68 + 9°	5260 23	33.7 + 9	13.7	7.7	✓
69 + 9°	5262 23	34.2 + 9	25.1	9.0	✓
70 + 9°	5263 23	34.7 + 9	39.4	7.9	✓
71 + 9°	5266 23	35.5 + 9	40.5	8.3	✓
72 + 9°	5268 23	36.0 + 9	31.4	5.0	✓
73 + 9°	5265 23	35.4 + 9	5.3	7.0	✓
74 + 9°	5074 23	37.4 + 9	43.4	9.2	✓
75 + 9°	5276 23	37.9 + 9	17.3	7.0	✓
76 + 9°	5277 23	38.0 + 9	22.9	6.5	✓
77 + 8°	5112 23	38.9 + 8	59.5	7.9	✓
78 + 7°	5080 23	36.9 + 7	42.1	9.0	✓
79 + 7°	5081 23	37.1 + 7	42.4	8.2	✓
80 + 7°	5082 23	37.8 + 7	25.1	8.2	✓
81 + 7°	5085 23	40.8 + 7	26.9	6.8	✓

mag. 8.3

5072 superposed

Cando made out

Thursday, Sept. 26, 1913.  
I 37360

No.	Lat.	Class	Remark
82	2	R	E.
83	5	To	E.
84	5	To	
85	2	To	
86	1	Ly	
87	3	Ly	
88	2	Ma	
89	3	To	
90	3	As	
91	4	To	
92	1	R	
93	1	Ly	Partly superseded on 94.
94	2	Ly	
95	2	Ly	
96	4	Ly	
97	2	To	
98	1	To	
99	4	Ly	
100	4	To	
101	10	Ly	
102	4	Co	E.
103	9	To	
104			
105			

Time: 9.38

104 1 F  
105 7 F

emb 101, 306.

82 +7°	5086 23	40.9 +7	22.9	8.2 ✓
83 +10°	4989 23	38.9 +10	17.6	8.0 ✓
84 +8°	5039 23	10.7 +8	42.7	8.2 ✓
85 +8°	5041 23	11.6 +8	38.3	8.6 ✓
86 +9°	5199 23	12.3 +9	1.8	9.1 ✓
87 +9°	5201 23	12.7 +9	11.4	8.7 ✓
88 +9°	5205 23	13.6 +9	23.9	8.6 ✓
89 +9°	5206 23	13.6 +9	33.0	8.3 ✓
90 +8°	5048 23	13.7 +8	50.9	8.6 ✓
91 +10°	4926 23	15.3 +10	24.2	8.7 ✓
92 +8°	5210 23	15.2 +8	34.0	9.1 ✓
93 +8°	5215 23	17.5 +8	43.8	8.9 ✓
94 +8°	5216 23	17.8 +8	50.4	8.7 ✓
95 +8°	5061 23	19.3 +8	56.9	8.4 ✓
96 +10°	4938 23	20.6 +10	20.5	7.9 ✓
97 +10°	4939 23	21.4 +10	42.5	8.5 ✓
98 +11°	5007 23	21.3 +11	8.8	8.9 ✓
99 +11°	5010 23	22.4 +11	13.3	8.7 ✓
100 +10°	4943 23	22.5 +10	52.6	8.5 ✓
101 +11°	5009 23	21.8 +11	56.8	4.8 ✓
102 +12°	4974 23	14.4 +12	24.5	8.7 ✓
103 +11°	4993 23	15.8 +11	31.3	5.3 ✓

Identified by AmC Dec. 3, 1912

checked by J.B.W. Dec. 5, 1912

Cards made out by M.C.W.

Cards checked by B.R.B.

✓ 104 +11 4967 23 8.7 +11 156 9.0 63 m 938101  
✓ 105 +6 5768 124. 937750

Friday, Sept 27, 1912.

Time: 10.12

7390711 abal (cont. from page 20)

No.	Lat.	Class	Remark
260	4	B <sub>7</sub>	
261	3	A <sub>0</sub>	
262	3	B <sub>35</sub>	
263	3	A <sub>2</sub>	
264	2	A	Another star partly superimposed.
265	3	A <sub>0</sub>	
266	5	B <sub>30</sub>	
267	10	B	Burned out.
268	5	B <sub>38</sub>	
269	3	B <sub>31</sub>	
270	8	B <sub>30</sub>	
271	3	A <sub>0</sub>	
272	7	B <sub>3</sub>	
273	8	B <sub>3</sub>	
274	4	B <sub>35</sub>	
275	5	A <sub>0</sub>	
276	6	A <sub>0</sub>	
277	2	B <sub>30</sub>	
278	4	B <sub>30</sub>	Another star partly superimposed at south.
279	3	A <sub>2</sub>	
280	5	B <sub>35</sub>	
281	8	B <sub>35</sub>	
282	8	B <sub>35</sub>	
283	5	B	284 superimposed line 4025 as strong as in 735
284	3	A	Nearly all superimposed on 283.
285	3	A <sub>2</sub>	
286	2	B <sub>38</sub>	

260	-22°	4530	17	55.1	-22	13.9	9.0	1✓
261	-22°	4542	17	55.5	-22	3.4	9.2	1✓
262	-22°	4531	17	54.6	-22	18.2	9.1	1✓
263	-22°	4519	17	54.5	-22	1.7	9.1	1✓
264	-22°	4518	17	54.0	-22	4.8	9.6	1✓ <sup>mag. 27</sup> 4827 superimposed
265	-22°	4523	17	53.6	-21	57.3	8.6	1✓
266	-22°	4500	17	52.9	-22	7.2	8.0	1✓
267	-22°	4503	17	53.1	-22	45.7	6.0	1✓
268	-22°	4493	17	52.3	-22	34.9	8.7	1✓
269	-22°	4491	17	52.1	-22	14.4	9.0	1✓
270	-22°	4484	17	51.2	-22	31.9	7.5	1✓
271	-22°	4482	17	51.1	-22	38.2	8.9	1✓
272	-22°	4478	17	50.7	-22	26.6	7.3	1✓
273	-22°	4474	17	50.2	-22	24.7	6.8	1✓
274	-23°	13721	17	51.5	-23	17.7	8.3	1✓
275	-23°	13705	17	50.7	-23	40.9	8.7	1✓
276	-23°	13678	17	49.5	-23	55.2	7.2	1✓
277	-22°	4593	18	1.5	-22	24.4	9.5	1✓
278	-22°	4590	18	1.1	-22	4.1	9.2	1✓ <sup>mag. 27</sup> 4591 superimposed
279	-22°	4584	18	0.4	-22	11.7	9.1	1✓
280	-22°	4582	18	0.2	-22	11.3	9.0	1✓
281	-22°	4581	18	0.0	-22	10.2	8.5	1✓
282	-22°	4576	17	59.4	-22	16.8	8.4	1✓
283	-22°	4570	17	58.9	-22	7.4	9.0	1✓
284	-21°	4571	17	58.9	-22	5.0	8.9	1✓
285	-22°	4561	17	59.0	-22	52.2	8.7	1✓
286	-21°	4559	17	58.5	-21	40.5	9.3	1✓

Cards made out.



Friday, Sept 27, 1913.

B40711 short disp.

No.	Int.	Class	Remarks
287	3	B <sub>8</sub>	
288	4	B <sub>6</sub>	
289	6	B <sub>5</sub>	
290	5	B <sub>8</sub>	
291	3	A <sub>0</sub>	
292	5	B <sub>5</sub>	
293	4	B <sub>5</sub>	
294	2	A <sub>0</sub>	
295	3	B <sub>5</sub>	lines of companion stars seen to south. Probably same type.
296	2	A	
297	2	A	
298	2	B <sub>5</sub>	Almost cent. Traces of H <sub>γ</sub> + H seen.
299	2	A <sub>0</sub>	
300	2	B <sub>5</sub>	
301	3	B <sub>5</sub>	
302	3	B <sub>8</sub>	
303	3	B <sub>9</sub>	
304	6	B <sub>5</sub>	
305	6	A <sub>0</sub>	
306	4	B <sub>8</sub>	
307	7	B <sub>2</sub>	
308	10	B <sub>5</sub>	
309	4	B <sub>5</sub>	
310	6	B <sub>5</sub>	
311	2	B <sub>5</sub>	
312	8	B <sub>5</sub>	
313	2	B <sub>5</sub>	

287	-21°	4857	17	58.6	-21	59.6	9.3	1✓
288	-22°	4862	17	58.1	-22	3.1	8.4	1✓
289	-22°	4857	17	57.4	-22	7.0	8.7	1✓
290	-22°	4855	17	57.1	-22	12.6	9.0	1✓
291	-22°	4865	17	58.3	-22	23.9	9.7	1✓
292	-22°	4861	17	58.0	-22	28.4	8.5	1✓
293	-22°	4858	17	57.4	-22	27.7	9.2	1✓
294	-22°	4866	17	58.4	-22	41.5	9.5	1✓
295	-22°	4859	17	57.6	-22	48.6	9.1	1✓
296	-22°	4856	17	57.2	-22	38.2	9.5	1✓
297	-22°	4851	17	56.5	-22	50.9	9.8	1✓
298	-23°	13859	17	57.1	-23	27.7	9.1	1✓
299	-22°	4854	17	57.0	-22	51.2	9.5	1✓
300	-22°	4850	17	56.4	-22	24.3	9.3	1✓
301	-22°	4848	17	56.0	-22	27.1	9.5	1✓
302	-22°	4847	17	55.8	-22	22.6	9.4	1✓
303	-21°	4841	17	56.8	-21	56.6	9.4	1✓
304	-21°	4839	17	56.7	-21	40.0	8.5	1✓
305	-21°	4842	17	56.8	-21	8.7	8.5	1✓
306	-21°	4848	17	57.5	-21	27.9	8.8	1✓
307	-21°	4853	17	58.2	-21	30.9	8.2	1✓
308	-21°	4855	17	58.5	-21	26.7	6.4	1✓
309	-21°	4858	17	58.7	-21	12.5	8.2	1✓
310	-21°	4864	17	59.8	-21	15.7	9.8	1✓
311	-21°	4865	17	59.8	-21	39.0	9.1	1✓
312	-21°	4866	17	59.9	-21	27.8	6.8	1✓
313	-21°	4869	18	0.2	-21	25.0	8.7	1✓

cards made out.

Friday, Sept. 27, 1912.

B 40711 shot disp.

No.	Lat.	Class	Remark
314	3	B	
315	3	B <sub>1</sub>	
316	3	B	The following of two. Breeding I think
317	5	B <sub>1</sub>	
318	4	B <sub>2</sub>	
319	6	B <sub>1</sub>	
320	2	A <sub>1</sub>	
321	2	B <sub>1</sub>	
322	2	B <sub>1</sub>	
323	2	A <sub>1</sub>	
324	3	A <sub>1</sub>	
325	5	B <sub>1</sub>	
326	2	A <sub>1</sub>	
327	6	B <sub>2</sub>	
328	4	B <sub>1</sub>	
329	3	Ant.	Ant. - no bright lines. B <sub>1</sub> too red in class I.
330	3	B <sub>2</sub>	
331	3	A <sub>1</sub>	
332	3	A <sub>1</sub>	
333	1	K	
334	2	A <sub>1</sub>	
335	3	A	Another star superposed to <sup>with</sup> <del>with</del> rocky class of 3
336	2	A	
337	4	A <sub>1</sub>	
338	3	M <sub>1</sub>	
339	3	B <sub>1</sub>	
340	2	A <sub>1</sub>	

Breeding.

314	-21°	4871	18	0.4	-21	25.3	9.0	1✓
315	-21°	4873	18	0.7	-21	31.6	8.9	1✓
316	-21°	4875	18	0.8	-21	35.4	9.0	1✓ <sup>Miss common &amp; not breeding - too 2/3</sup>
317	-21°	4879	18	1.6	-21	20.5	9.0	1✓
318	-21°	4812	18	1.7	-21	17.8	9.4	1✓
319	-20°	5005	18	0.2	-20	56.1	8.7	1✓
320	-20°	5008	18	0.5	-20	57.5	9.2	1✓
321	-20°	5014	18	1.0	-20	51.3	9.8	1✓
322	-20°	5006	18	0.3	-20	38.7	9.0	1✓
323	-20°	4996	17	58.9	-20	26.2	9.1	1✓
324	-20°	4995	17	58.8	-20	21.3	9.1	1✓
325	-20°	4987	17	57.9	-20	27.6	8.9	1✓
326	-24°	14307	18	18.0	-24	28.8	9.6	1✓
327	-24°	14296	18	17.4	-24	28.8	8.3	1✓
328	-24°	14288	18	16.9	-24	27.1	8.5	1✓
329	-24°	14289	18	16.9	-24	26.6	mit.	1✓
330	-24°	14281	18	16.3	-24	50.4	9.0	1✓
331	-24°	14276	18	16.0	-24	41.4	9.1	1✓
332	-24°	14272	18	15.9	-24	21.0	9.1	1✓
333	-24°	14268	18	15.7	-24	4.4	8.7	1✓
334	-23°	14299	18	15.1	-23	29.5	9.4	1✓
335	-23°	14288	18	14.4	-23	17.4	9.3	1✓ <sup>4</sup> <sup>12288</sup> <sup>mag 8.8</sup> <sup>superposed</sup>
336	-23°	14276	18	14.1	-23	29.2	9.4	1✓
337	-23°	14249	18	13.0	-23	22.1	9.3	1✓
338	-23°	14236	18	12.3	-23	21.7	8.0	1✓
339	-23°	14234	18	12.2	-23	12.3	9.2	1✓ <sup>12288</sup> <sup>mag 10.0</sup> <sup>superposed</sup>
340	-23°	14227	18	11.9	-23	21.4	9.4	1✓

Cards made out.

Friday, Sept. 27, 1913.

340711 short circ.

No.	Int.	Class	Remark
341	2	A	
342	2	A	
343	3	Ao	
344	2	A	
345	2	Ao	
346	4	Ao	
347	1	fs	
348	5	B <sub>r</sub>	
349	7	mb	
350	3	fs	
351	5	B <sub>r</sub>	
352	6	A <sub>2</sub>	
353	3	fs	
354	2	A <sub>2</sub>	
355	3	Ao	
356	6	B <sub>9</sub>	
357	2	A <sub>2</sub>	
358	4	B <sub>9</sub>	
359	3	B <sub>9</sub>	
360	2	A	
361	2	Ao	
362	3	B <sub>r</sub>	
363	4	B <sub>9</sub>	
364	3	Ao	
365	3	fs	
366	4	Ao	
367	3	fs	

341	-23°	14222	18	11.6	-23	46.1	9.5	Λ✓
342	-23°	14244	18	12.8	-23	53.1	9.4	Λ✓
343	-24°	14192	18	12.7	-24	9.5	9.4	Λ✓
344	-24°	14193	18	12.8	-24	1.7	9.4	Λ✓
345	-24°	14206	18	13.3	-24	11.3	9.4	Λ✓
346	-24°	14220	18	14.0	-24	2.4	8.9	Λ✓
347	-24°	14247	18	14.7	-24	12.0	9.0	Λ✓
348	-24°	14244	18	14.5	-24	57.9	9.0	Λ✓
349	-24°	14219	18	13.8	-24	57.9	7.5	Λ✓
350	-25°	13066	18	15.2	-25	27.6	9.0	Λ✓
351	-25°	13053	18	14.4	-25	25.6	8.9	Λ✓
352	-25°	13054	18	14.4	-25	17.6	8.9	Λ✓
353	-25°	13043	18	13.8	-25	25.6	8.7	Λ✓
354	-25°	13040	18	13.5	-25	36.2	9.4	Λ✓
355	-25°	13032	18	13.1	-25	47.8	9.3	Λ✓
356	-25°	13031	18	13.0	-25	31.3	9.0	Λ✓
357	-25°	13025	18	12.7	-25	5.6	9.5	Λ✓
358	-24°	14189	18	12.5	-24	59.9	9.0	Λ✓
359	-24°	14185	18	12.3	-24	39.3	9.3	Λ✓
360	-24°	14174	18	11.8	-24	40.4	9.5	Λ✓
361	-24°	14164	18	11.3	-24	32.4	9.4	Λ✓
362	-24°	14158	18	11.0	-24	26.4	9.3	Λ✓
363	-24°	14147	18	10.6	-24	24.0	9.3	Λ✓
364	-24°	14130	18	9.8	-24	25.9	9.6	Λ✓
365	-24°	14120	18	9.3	-24	43.4	9.2	Λ✓
366	-25°	12962	18	9.2	-25	11.7	9.1	Λ✓
367	-25°	12962	18	9.2	-25	12.7	8.9	Λ✓

Cards made out.



Friday, Sept. 27, 1912.

B 40711 about disp.

No.	Int.	Class	Remarks
368	2	A	Nearly all superposed on 69
369	5	A <sub>0</sub>	
370	3	B <sub>8</sub>	
371	5	F <sub>0</sub>	
372	3	B <sub>9</sub>	
373	6	B <sub>0</sub>	
374	7	A <sub>2</sub>	
375	3	G <sub>5</sub>	
376	5	A <sub>0</sub>	
377	4	B <sub>9</sub>	
378	3	A <sub>5</sub>	Region of Knot area clearly.
379	3	F <sub>5</sub>	
380	3	A	
381	2	G <sub>5</sub>	Partly superposed on 380.
382	2	A	
383	2	A	Partly superposed on 384. Maybe B.
384	2	A	" " " 383.
385	2	A <sub>0</sub>	
386	2	A	
387	4	B <sub>9</sub>	
388	3	F <sub>2</sub>	
389	20	F <sub>2</sub>	
390	10	B <sub>8</sub>	
391	3	F <sub>0</sub>	
392	5	B	
393	5	B <sub>9</sub>	
394	2	G <sub>5</sub>	Partly superposed on 393.

368	-25°	12963	18	9.2	-25	3.7	9.1	✓
369	-25°	12960	18	9.1	-25	2.7	8.9	✓
370	-25°	12950	18	8.7	-25	2.3	9.1	✓
371	-25°	12918	18	7.4	-25	5.5	9.5	✓
372	-25°	12897	18	6.8	-25	4.3	9.2	✓
373	-25°	12900	18	6.4	-25	20.2	8.5	✓
374	-25°	12889	18	5.7	-25	10.7	7.9	✓
375	-24°	14079	18	6.9	-24	35.9	9.1	✓
376	-24°	14057	18	5.9	-24	37.9	8.6	✓
377	-24°	14038	18	5.1	-24	40.7	9.2	✓
378	-24°	14042	18	5.1	-24	31.0	9.0	✓
379	-24°	14060	18	5.9	-24	18.9	8.5	✓
380	-24°	14067	18	6.2	-24	26.6	9.5	✓
381	-24°	14068	18	6.3	-24	20.4	9.9	✓
382	-24°	14075	18	6.6	-24	13.9	9.5	✓
383	-25°	12862	18	4.2	-25	4.6	9.4	✓
384	-25°	12861	18	4.1	-25	6.3	9.8	✓
385	-25°	12855	18	3.8	-25	3.0	9.6	✓
386	-25°	12845	18	3.4	-25	4.9	9.5	✓
387	-25°	12835	18	2.9	-25	20.1	9.3	✓
388	-25°	12815	18	2.2	-25	18.1	8.8	✓
389	-25°	12812	18	2.1	-25	28.5	9.5	✓
390	-25°	12793	18	1.2	-25	29.1	7.2	✓
391	-25°	12776	18	0.6	-25	44.1	9.1	✓
392	-25°	12769	18	0.4	-25	21.6	8.5	✓
393	-25°	12749	17	59.9	-25	36.7	8.5	✓
394	-25°	12748	17	59.8	-25	35.1	8.5	✓

Counts made out.

Friday, Sept. 27, 1913.

B340711 short exp.

No.	Int.	Class	Remarks
395	4	Cont.	Perhaps Be 5. No lines clearly seen.
396	2	A	
397	1	Be	precipitating
398	3	Be	The first of two.
399	3	Be	
Time: 10.58	400	2	Be
" 11.31	401	3	Be
	402	2	Be
	403	3	Be
	404	5	Be
	405	5	Be Other star superposed.
	406	3	Be
	407	4	Be
	408	4	Be
	409	2	A
	410	3	F Another star faintly superposed.
	411	8	Be
	412	3	Be
	413	2	Be
	414	2	Be
	415	8	Be
	416	7	Be
	417	2	Be
	418	2	Be? lines very indistinct.
	419	2	Be
	420	3	Be
	421	6	Be

395	-25°	12744	17	59.8	-25	7.2	8.2	✓
396	-24°	13929	18	0.4	-24	54.7	9.2	✓
397	-24°	13885	17	58.6	-24	46.4	8.9	✓
398	-25°	12698	17	58.0	-25	14.3	9.3	✓
399	-25°	12715	17	58.8	-25	29.1	8.5	✓
400	-25°	12704	17	58.3	-25	31.7	9.4	✓
401	-25°	12723	17	59.1	-25	54.3	9.6	✓
402	-26°	12805	17	58.7	-26	1.7	9.6	✓
403	-26°	12802	17	58.5	-26	17.2	8.7	✓
404	-26°	12804	17	58.6	-26	12.4	8.6	✓
405	-26°	12812	17	59.2	-26	7.2	9.0	✓ -26° 12813 more 9.3 superposed.
406	-26°	12817	17	59.4	-26	14.4	9.0	✓
407	-26°	12819	17	59.5	-26	8.2	9.3	✓
408	-26°	12825	17	59.8	-26	41.9	8.7	✓
409	-26°	12831	18	0.1	-26	32.5	9.5	✓
410	-26°	12858	18	1.3	-26	18.5	9.4	✓ -26° 12858 superposed.
411	-26°	12862	18	1.5	-26	7.3	7.7	✓
412	-26°	12864	18	1.7	-26	21.3	9.0	✓
413	-26°	12854	18	1.1	-26	34.0	8.7	✓
414	-26°	12878	18	2.5	-26	7.3	9.5	✓
415	-26°	12884	18	2.8	-26	2.8	7.7	✓
416	-25°	12844	18	3.3	-25	47.7	7.1	✓
417	-25°	12837	18	3.0	-25	41.8	9.6	✓
418	-25°	12847	18	3.5	-25	58.3	9.7	✓
419	-26°	12915	18	3.9	-26	1.8	9.0	✓
420	-26°	12918	18	4.0	-26	2.3	9.5	✓
421	-26°	12925	18	4.3	-26	25.6	8.5	✓

cards made out.

Friday, Sept 27, 1913.

1340711 about disp

No.	Int.	Class	Remarks
422	3	As	
423	2	A	
424	5	As	
425	3	As	
426	3	B8	
427	2	No	
428	3	B9	
429	4	As	
430	3	As	
431	6	B8	
432	2	B9	
433	3	Ma	
434	3	Lys	
435	6	As	
436	2	As	
437	3	As	
438	4	As	
439	2	As	
440	7	As	
441	3	As	
442	3	As	
443	2	Lys	
444	3	Lys	
445	3	As	
446	1	As	
447	9	As	
448	5	B9	Another star superposed at cont.

422	-26°	12906	18	3.5	-26	40.0	9.1	1✓
423	-26°	12942	18	5.3	-26	6.3	9.7	✓
424	-26°	12964	18	6.7	-26	13.6	8.8	1✓
425	-25°	12920	18	7.4	-25	49.4	8.2	1✓
426	-25°	12937	18	8.2	-25	29.9	9.3	1✓
427	-25°	12935	18	8.2	-25	46.1	8.8	1✓
428	-25°	12938	18	8.3	-25	44.8	9.6	1✓
429	-25°	12943	18	8.5	-25	54.5	9.4	1✓
430	-25°	12949	18	8.7	-25	47.9	9.6	1✓
431	-25°	12946	18	8.6	-25	34.9	8.9	1✓
432	-25°	12959	18	9.1	-25	48.5	9.6	1✓
433	-26°	12975	18	7.4	-26	21.0	8.2	1✓
434	-26°	12982	18	7.9	-26	27.0	8.8	1✓
435	-26°	12981	18	7.9	-26	21.7	8.5	1✓
436	-26°	13010	18	9.9	-26	13.0	9.6	1✓
437	-25°	12973	18	9.9	-25	23.2	8.4	1✓
438	-25°	12983	18	10.3	-25	8.1	9.0	1✓
439	-25°	12989	18	10.6	-25	18.2	9.7	1✓
440	-25°	12995	18	11.0	-25	38.9	6.9	1✓
441	-25°	12994	18	10.9	-25	59.0	8.4	1✓
442	-25°	13008	18	11.7	-25	43.5	9.5	1✓
443	-25°	13004	18	11.4	-25	34.2	9.3	1✓
444	-25°	13002	18	11.3	-25	22.3	9.2	1✓
445	-25°	13007	18	11.6	-25	22.9	9.5	1✓
446	-25°	13023	18	12.4	-25	59.0	9.4	1✓
447	-26°	13068	18	13.4	-26	8.1	7.0	1✓
448	-26°	13049	18	12.3	-26	13.4	8.8	1✓

Cuts made out.

1-2693050 mag 8.7  
superposed.



Friday, Sept. 27, 1912.

B 407 11 chat disp.

No.	Int.	Class	Remarks
449	4	No	
450	3	A	
451	9	No	
452	3	Ma	
453	6	No	
454	5	A <sub>3</sub>	
11.45 455	5	No	
456			
457			
458			
459			
456	4	B <sub>0</sub>	
457	2.5	A	
458	4	B <sub>5</sub>	
459	3	B	
460	5	B	Amplitude class sup. abs. <sup>probably</sup> also B.

449	-26°	13040	18	11.6	-26	22.1	8.3	1✓
450	-26°	13032	18	11.3	-26	46.4	8.4	1✓
451	-27°	12684	18	10.2	-27	5.9	5.1	1✓
452	-27°	12682	18	10.0	-27	23.4	7.4	1✓
453	-27°	12658	18	9.1	-27	45.4	7.3	1✓
454	-27°	12721	18	11.9	-27	32.9	8.3	1✓
455	-27°	12729	18	12.5	-27	27.9	7.3	1✓

Most of the stars south of -23° identified by J.C.M. Aug. 28, 1913.

Others identified by J.M.B.

All checked by J.D.W. Sept. 30, 1913

Cards made out by S.R.B.

Cards checked by P.L. Oct. 4, 1913.

✓ 456	-20	5020	18	2.8	-20	44	8.5	248 m B 24.6
✓ 457	-24	14340	18	12.6	-24	6	9.6	20 m B 406.6
458	-24	13845	17	57.0	-24	21	9.2	✓
459	-24	13843	17	57.0	-24	27	9.3	✓
460	-24	13826	17	56.6	-24	11	8.3	✓ 24° 13123 mag. 9.5



Friday, Sept 27, 1913

Time: 11.55

B 40616 short dirp.

No.	Int.	Class	Remarks
✓ 1	4	B?	Focus pos. E.
✓ 2	7	Fo	
✓ 3	3	Co	
✓ 4	3	Fo	
✓ 5	5	Co	
✓ 6	2	Ma	
✓ 7	2	Co	
✓ 8	2	Co	
✓ 9	2	Ma	
✓ 10	3	Co	
✓ 11	2	Fo	
✓ 12	4	Fo	
✓ 13	3	B?	
✓ 14	10+	Fo	
✓ 15	2	B?	
✓ 16	3	Fo	
✓ 17	2	Co	
✓ 18	6	Co	
✓ 19	1	Fo	Partly superseded on 20.
✓ 20	1	B?	
✓ 21	3	Co	
✓ 22	5	Fo	
✓ 23	2	Co	
✓ 24	8	Fo	
✓ 25	4	B?	
✓ 26	4	Fo	
✓ 27	3	Co	

1	-26°	13081	18	14.6	-26	28.2	8.5	✓
2	-26°	13106	18	15.8	-26	13.7	7.9	✓
3	-26°	13108	18	16.0	-26	25.5	8.9	✓
4	-26°	13114	18	16.4	-26	30.3	7.8	✓
5	-26°	13121	18	16.9	-26	33.7	8.6	✓
6	-26°	13102	18	15.7	-26	1.9	9.2	✓
7	-25°	13077	18	16.6	-25	28.3	7.5	✓
7	-28°	5222	18	11.8	-26	59.5	7.2	✓
8	-25°	13054	18	16.6	-25	21.2	9.6	✓
8	-20°	5221	18	21.1	-20	51.7	9.1	✓
9	-26°	13128	18	17.3	-26	0.4	8.5	✓
9	-26°	5224	18	21.3	-26	47.7	8.6	✓
10	-26°	13138	18	17.8	-26	22.5	9.6	✓
11	-25°	13108	18	18.2	-25	52.5	9.1	✓
12	-25°	13121	18	18.9	-25	58.7	9.2	✓
13	-25°	13150	18	20.3	-25	45.4	9.3	✓
14	-25°	13149	18	20.3	-25	29.0	2.7	✓
15	-25°	13137	18	19.7	-25	17.3	9.4	✓
16	-24°	14339	18	19.5	-24	54.0	9.3	✓
17	-24°	14353	18	20.0	-24	39.4	9.6	-24° 14354 mag 9.7 sup. at north
18	-24°	14361	18	20.4	-24	38.1	8.1	✓
19	-24°	14339	18	19.5	-24	54.0	9.8	✓
20	-24°	14340	18	19.6	-24	6.4	9.6	✓
21	-23°	14379	18	20.4	-23	32.6	9.3	✓
22	-23°	14383	18	20.7	-23	38.1	8.5	✓
23	-23°	14381	18	20.5	-23	23.5	9.3	✓
24	-23°	14382	18	20.5	-23	3.8	7.3	✓
25	-22°	4736	18	19.7	-22	54.5	9.0	✓
26	-22°	4744	18	20.9	-22	46.3	8.7	✓
27	-23°	14411	18	22.0	-23	0.8	9.2	✓



Friday, Sept. 27, 1912.

40616 shot disp.

No.	Int.	Class	Remark
✓ 28	7	50	
✓ 29	5	50	
✓ 30	2	50	
✓ 31	1	50	
✓ 32	3	50	
✓ 33	6	50	
✓ 34	2	50	
✓ 35	1	50	
✓ 36	3	50	
✓ 37	3	50	
✓ 38	8	50	
✓ 39	2	50	
✓ 40	10	50	B36137 shows N's a narrow bright line
✓ 41	5	50	
✓ 42	3	50	
✓ 43	6	50	
✓ 44	3	50	
✓ 45	1	50	
✓ 46	2	50	
✓ 47	2	50	
✓ 48	4	50	
✓ 49	2	50	
✓ 50	3	50	
✓ 51	7	50	
✓ 52	4	50	
✓ 53	2	50	
✓ 54	3	50	

18	-23°	14431	18	22.9	-23	19.2	7.3	✓
19	-23°	14447	18	23.8	-23	23.9	7.6	✓
30	-23°	14408	18	21.8	-23	44.2	9.4	✓
31	-23°	14403	18	21.6	-23	55.9	8.6	✓
32	-23°	14409	18	21.9	-23	54.5	8.7	✓
33	-24°	14402	18	22.8	-24	8.7	8.1	✓
34	-23°	14432	18	22.9	-23	50.5	9.0	✓
35	-23°	14434	18	23.0	-23	58.5	9.0	✓
36	-24°	14382	18	21.6	-24	31.8	8.3	✓
37	-24°	14383	18	21.6	-24	42.0	9.5	✓
38	-25°	13163	18	21.2	-25	6.6	8.0	✓
39	-25°	13160	18	21.1	-25	20.8	9.3	✓
40	-25°	13170	18	21.7	-25	19.9	7.6	✓
41	-25°	13172	18	22.0	-25	37.3	8.8	✓
42	-25°	13180	18	22.5	-25	25.3	9.7	✓
43	-25°	13182	18	22.6	-25	38.0	8.5	✓
44	-26°	13218	18	22.1	-26	6.0	9.1	✓
45	-25°	13195	18	23.1	-25	54.9	9.5	✓
46	-25°	13198	18	23.4	-25	49.5	9.3	✓
47	-25°	13200	18	23.5	-25	57.2	9.3	✓
48	-25°	13207	18	23.9	-25	46.7	8.5	✓
49	-25°	13216	18	24.4	-25	48.0	9.5	✓
50	-26°	13237	18	23.8	-26	19.2	9.3	✓
51	-26°	13247	18	24.4	-26	34.5	8.3	✓
52	-26°	13262	18	25.3	-26	16.0	8.6	✓
53	-26°	13266	18	25.4	-26	30.7	9.5	✓
54	-24°	14404	18	22.8	-24	53.5	9.5	✓

Friday, Sept 27 1912.

B 4616 shot disp.

No.	Int.	Class	Remark
✓ 55	2	h <sub>5</sub>	
✓ 56	2	Q <sub>5</sub>	
✓ 57	2	h <sub>5</sub>	
✓ 58	9	B <sub>9</sub>	
✓ 59	2	F	
✓ 60	1	J <sub>1</sub>	
✓ 61	2	B <sub>1</sub>	
✓ 62	6	F <sub>5</sub>	
✓ 63	3	F <sub>5</sub>	
✓ 64	2	Q <sub>5</sub>	
✓ 65	5	B <sub>9</sub>	
✓ 66	2	h <sub>5</sub>	
✓ 67	1	A	
✓ 68	2	B <sub>9</sub>	
✓ 69	7	B <sub>9</sub>	
✓ 70	4	B <sub>1</sub>	
✓ 71	3	B <sub>9</sub>	
✓ 72	2	F <sub>5</sub>	
✓ 73	2	A	
✓ 74	3	Q <sub>5</sub>	
✓ 75	2	h <sub>5</sub>	
✓ 76	2	B <sub>9</sub>	
✓ 77	9	B <sub>9</sub>	
✓ 78	3	J <sub>12</sub>	
✓ 79	7	B <sub>9</sub>	
✓ 80	8	h <sub>5</sub>	
✓ 81	7	h <sub>5</sub>	

55	-24°	14403	18	22.8	-24	34.2	9.2	✓
56	-24°	14409	18	23.0	-24	33.6	9.6	✓
57	-24°	14407	18	22.9	-24	19.1	9.5	✓
58	-24°	14415	18	23.3	-24	59.0	7.5	✓
59	-25°	13196	18	23.1	-25	38.0	9.6	-25° 13.97 mch. sup.
60	-24°	14418	18	23.6	-24	45.0	8.8	✓
61	-24°	14428	18	24.0	-24	49.0	9.5	✓
62	-24°	14443	18	24.5	-24	49.0	8.6	✓
63	-24°	14441	18	24.4	-24	59.6	9.2	✓
64	-25°	13218	18	24.5	-25	6.6	9.3	✓
65	-25°	13227	18	25.2	-25	10.6	8.5	✓
66	-25°	13232	18	25.4	-25	16.0	9.0	✓
67	-25°	13234	18	25.6	-25	23.6	9.8	✓
68	-25°	13245	18	26.0	-25	20.3	9.7	✓
69	-25°	13246	18	26.0	-25	32.3	8.2	✓
70	-25°	13252	18	26.4	-25	28.3	8.9	✓
71	-25°	13262	18	26.9	-25	18.0	9.1	✓
72	-25°	13242	18	25.9	-25	47.6	9.2	✓
73	-25°	13255	18	26.5	-25	49.2	9.2	✓
74	-25°	13274	18	27.9	-25	42.7	9.0	✓
75	-25°	13272	18	27.6	-25	14.3	8.9	✓
76	-25°	14473	18	25.2	-23	58.2	9.2	✓
77	-24°	14462	18	25.6	-24	12.1	7.3	✓
78	-24°	14466	18	26.0	-24	10.9	8.2	✓
79	-24°	14470	18	26.2	-24	12.5	8.5	✓
80	-24°	14472	18	26.3	-24	7.5	5.9	✓
81	-24°	14479	18	26.9	-24	18.5	7.2	✓

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B 40616 short circ.

No.	Int.	Class	Remark
✓ 82	2	A5	
✓ 83	4	B <sub>9</sub>	
✓ 84	4	B <sub>9</sub>	
✓ 85	3	A5	
✓ 86	4	F <sub>7</sub>	
✓ 87	2	F <sub>10</sub>	
✓ 88	4	B <sub>9</sub>	
✓ 89	7	A <sub>5</sub>	
✓ 90	1	A <sub>5</sub>	
✓ 91	5	B <sub>9</sub>	
✓ 92	2	A <sub>0</sub>	
✓ 93	3	A <sub>5</sub>	
✓ 94	4	B <sub>9</sub>	
✓ 95	2	A	
✓ 96	3	A <sub>0</sub>	
✓ 97	2	A <sub>5</sub>	
✓ 98	2	A	
✓ 99	5	Cont.	Net. without bright lines.
✓ 100	2	B <sub>9</sub>	
✓ 101	3	Ma	
✓ 102	4	B <sub>9</sub>	
✓ 103	4	B <sub>9</sub>	
✓ 104	6	A <sub>5</sub>	
✓ 105	3	A <sub>0</sub>	
✓ 106	10+	B	Turned out
✓ 107	6	A <sub>5</sub>	
✓ 108	4	A <sub>2</sub>	

82	-24°	14482 18	27.3	-24	47.0	9.2
83	-24°	14500 18	28.3	-24	35.1	9.3
84	-24°	14502 18	28.5	-24	32.6	8.5
85	-24°	14510 18	28.7	-24	44.6	9.4
86	-24°	14512 18	28.8	-24	58.1	8.8
87	-24°	14521 18	29.1	-24	55.1	9.0
88	-25°	13281 18	28.9	-25	25.0	8.4
89	-25°	13291 18	29.5	-25	46.0	7.4
90	-25°	13294 18	29.7	-25	23.7	9.0
91	-25°	13305 18	30.5	-25	31.3	8.0
92	-25°	13315 18	31.7	-25	20.0	9.5
93	-24°	14555 18	31.3	-24	49.1	8.8
94	-23°	14487 18	25.7	-23	36.9	8.7
95	-23°	14505 18	27.3	-23	39.2	9.4
96	-23°	14525 18	28.3	-23	38.5	9.5
97	-23°	14536 18	28.8	-23	27.7	8.9
98	-23°	14538 18	28.8	-23	53.6	9.8
99	-24°	14516 18	28.9	-24	0.7	net
100	-23°	14535 18	28.7	-23	48.2	9.7
101	-23°	14543 18	29.2	-23	51.6	8.6
102	-24°	14520 18	29.0	-24	9.5	9.1
103	-23°	14552 18	29.8	-23	42.9	8.8
104	-23°	14564 18	30.2	-23	29.4	8.4
105	-23°	14568 18	30.6	-23	48.9	8.4
106	-23°	14572 18	30.9	-23	36.4	6.1
107	-23°	14580 18	31.5	-23	17.5	7.1
108	-23°	14570 18	30.9	-23	12.5	7.5



Friday, Sept 27, 1912.

B 40616 short dispo.

No.	Lat	Class	Remarks
✓ 109	2	B <sub>9</sub>	
✓ 110	3	B <sub>0</sub>	
✓ 111	4	A <sub>5</sub>	
✓ 112	2	A	
✓ 113	3	B <sub>9</sub>	
✓ 114	3	B <sub>9</sub>	
✓ 115	3	A <sub>0</sub>	
✓ 116	2	A <sub>0</sub>	
✓ 117	7	B <sub>1</sub>	
✓ 118	4	B <sub>9</sub>	11
✓ 119	6	B <sub>9</sub>	
✓ 120	1	H	
✓ 121	3	A <sub>0</sub>	
✓ 122	5	B <sub>5</sub>	
✓ 123	6	A <sub>0</sub>	
✓ 124	4	B <sub>8</sub>	
✓ 125	3	H <sub>0</sub>	
✓ 126	6	B <sub>3</sub>	
✓ 127	3	A <sub>0</sub>	
✓ 128	2	B <sub>9</sub>	
✓ 129	2	A <sub>0</sub>	
✓ 130	3	B <sub>9</sub>	
✓ 131	2	A	
✓ 132	2	B <sub>9</sub>	
✓ 133	2	A <sub>5</sub>	
✓ 134	3	B <sub>9</sub>	
✓ 135	3	B <sub>8</sub>	

109	-23°	14565	18	30.4	-23	18.0	9.4	✓
110	-23°	14576	18	31.3	-23	2.8	8.4	✓
111	-22°	4808	18	29.1	-22	33.6	8.5	✓
112	-22°	4810	18	29.5	-22	40.3	9.4	✓
113	-22°	4805	18	28.9	-22	14.1	9.3	✓
114	-22°	4821	18	29.5	-22	11.4	9.1	✓
115	-22°	4814	18	30.4	-22	25.9	9.0	✓
116	-22°	4816	18	30.6	-22	29.1	9.5	✓
117	-22°	4817	18	30.8	-22	5.4	8.0	✓
118	-21°	5097	18	32.0	-21	47.1	8.5	✓
119	-21°	5096	18	32.0	-21	36.8	8.5	✓
120	-22°	4824	18	31.9	-22	16.4	9.5	✓
121	-22°	4826	18	32.2	-22	25.7	9.0	✓
122	-22°	4820	18	31.4	-22	47.3	8.7	✓
123	-22°	4783	18	25.9	-22	38.8	8.5	✓
124	-22°	4781	18	25.6	-22	18.6	8.8	✓
125	-22°	4788	18	26.4	-22	5.4	8.4	✓
126	-22°	4790	18	26.6	-22	11.8	8.0	✓
127	-22°	4792	18	26.7	-22	30.6	9.0	✓
128	-22°	4793	18	26.7	-22	42.5	9.3	✓
129	-22°	4797	18	27.0	-22	50.2	9.1	✓
130	-22°	4800	18	27.5	-22	58.7	8.9	✓
131	-23°	14538	18	28.8	-23	7.8	9.4	✓
132	-23°	14529	18	28.4	-23	9.8	9.5	✓
133	-23°	14518	18	27.9	-23	18.4	9.5	✓
134	-22°	4780	18	25.3	-22	54.6	9.5	✓
135	-22°	4776	18	25.0	-22	44.4	9.2	✓

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B 40616 about circ.

No.	Int.	Class	Remarks
✓ 136	4	H <sub>0</sub>	
✓ 137	6	H <sub>0</sub>	
✓ 138	3	H <sub>0</sub>	
✓ 139	4	B <sub>9</sub>	
✓ 140	3	L <sub>5</sub>	4-6 strong, other lines very indistinct.
✓ 141	6	L <sub>5</sub>	
✓ 142	5	B <sub>1</sub>	
✓ 143	3	A	Partly superposed on 142.
✓ 144	3	A <sub>2</sub>	
✓ 145	1	H	
June 13-19 ✓ 146	3	H <sub>5</sub>	
Sept. 28 ✓ 147	6	B <sub>9</sub>	
✓ 148	6	A <sub>0</sub>	
✓ 149	9	A <sub>0</sub>	
✓ 150	1	H <sub>5</sub>	
✓ 151	3	A <sub>0</sub>	
✓ 152	6	A <sub>0</sub>	
✓ 153	2	L <sub>5</sub>	
✓ 154	4	A <sub>0</sub>	
✓ 155	3	A <sub>0</sub>	
✓ 156	4	B <sub>5</sub>	
✓ 157	2	L <sub>5</sub>	
✓ 158	3	A <sub>5</sub>	
✓ 159	3	A <sub>0</sub>	
✓ 160	2	A <sub>0</sub>	
✓ 161	1	H <sub>25</sub>	
✓ 162	1	H <sub>0</sub>	

June 13-19 ✓ 146  
Sept. 28 ✓ 147  
✓ 148

136	-22°	4771	18	24.4	-22	54.9	8.5	✓
137	-22°	4772	18	24.6	-22	43.8	8.3	✓
138	-22°	4778	18	25.1	-22	32.1	8.7	✓
139	-22°	4777	18	25.1	-22	22.0	8.9	✓
140	-22°	4773	18	24.7	-22	27.5	9.2	✓
141	-22°	4767	18	24.0	-22	13.9	8.0	✓
142	-22°	4763	18	23.8	-22	23.6	8.9	✓
143	-22°	4761	18	23.7	-22	29.9	9.0	✓
144	-22°	4760	18	23.5	-22	9.3	8.7	✓
145	-22°	4764	18	23.8	-22	1.2	9.0	✓
146	-21°	5029	18	22.3	-21	36.9	8.7	✓
147	-21°	5027	18	21.9	-21	50.6	8.0	✓
148	-21°	5022	18	20.8	-21	43.3	8.5	✓
149	-21°	5025	18	21.2	-21	2.4	7.5	✓
150	-21°	5020	18	20.3	-21	36.2	9.2	✓
151	-21°	5017	18	20.1	-21	43.5	9.2	✓
152	-21°	5019	18	20.2	-21	27.1	8.5	✓
153	-21°	5015	18	19.8	-21	24.9	8.8	✓
154	-21°	5010	18	19.3	-21	40.2	8.5	✓
155	-21°	5005	18	18.6	-21	45.0	9.0	✓
156	-21°	5004	18	18.2	-21	36.0	9.2	✓
157	-21°	4997	18	17.6	-21	32.9	9.4	✓
158	-21°	4995	18	17.3	-21	36.4	9.1	✓
159	-22°	4718	18	16.9	-22	5.0	9.3	✓
160	-22°	4759	18	15.4	-22	16.1	9.6	✓
	-22°	4755	18	17.2	-22	18		✓
161	-22°	4722	18	17.8	-22	16.2	9.2	✓
162	-21°	5002	18	17.9	-21	51.9	9.2	✓

-22° 4762 magn 7.5  
sup.

Saturday, Sept. 25, 1910.  
134616 short circ.

No.	Int.	Class	Remark
✓ 163	3	Co	
✓ 164	2	Co	Another star superposed at south.
✓ 165	3	B <sub>9</sub>	
✓ 166	1	B <sub>9</sub>	
✓ 167	4	Co	
✓ 168	3	B <sub>9</sub>	The following of two.
✓ 169	2	Co	
✓ 170	3	Co	
✓ 171	2	Co	
✓ 172	2	Co	
✓ 173	2	Co	
✓ 174	2	Co	
✓ 175	2	Co	
✓ 176	3	Co	
✓ 177	3	B <sub>9</sub>	
✓ 178	3	Co	
✓ 179	2	Co	
✓ 180	2	Co	
✓ 181	7	B <sub>9</sub>	
✓ 182	5	Co	
✓ 183	7	Co	
✓ 184	2	Co	
✓ 185	3	Co	
✓ 186	2	Co	
✓ 187	2	Co	
✓ 188	4	B <sub>9</sub>	
✓ 189	2	B <sub>9</sub>	Almost cont. H & a sharp line maybe Co.

163	-22°	4719	18	17.5	-22	44.2	9.4	✓	-22° 4720 mag. 9.8
164	-22°	4724	18	18.0	-22	58.9	9.3	✓	sup. full.
165	-22°	4729	18	18.8	-22	42.9	9.4	✓	
166	-22°	4780	18	18.8	-22	28.1	9.4	✓	
167	-22°	4733	18	19.4	-22	30.2	9.0	✓	
168	-22°	4739	18	20.2	-22	23.2	9.6	✓	
169	-22°	4742	18	20.8	-22	15.8	9.1	✓	
170	-22°	4754	18	22.9	-22	48.8	9.1	✓	
171	-23°	14450	18	23.8	-23	3.3	9.2	✓	
172	-22°	4753	18	22.8	-22	59.1	9.3	✓	
173	-22°	4759	18	23.4	-22	48.4	9.5	✓	
174	-22°	4758	18	23.3	-22	43.3	9.0	✓	
175	-21°	5032	18	22.8	-21	20.8	8.5	✓	
176	-20°	5164	18	22.8	-20	58.2	9.1	✓	
177	-26°	5168	18	23.4	-20	46.0	9.0	✓	
178	-26°	5172	18	23.7	-20	49.8	9.0	✓	
179	-20°	5175	18	24.3	-20	45.3	9.2	✓	
180	-20°	5176	18	24.3	-20	29.1	9.1	✓	
181	-20°	5179	18	24.9	-20	28.2	8.0	✓	
182	-19°	5065	18	25.0	-19	56.5	8.5	✓	
183	-19°	5071	18	25.8	-19	53.1	7.5	✓	
184	-20°	5184	18	25.1	-20	22.4	9.1	✓	
185	-20°	5185	18	25.5	-20	28.1	9.0	✓	
186	-20°	5187	18	26.0	-20	19.4	9.2	✓	
187	-21°	5041	18	28.9	-21	20.4	9.0	✓	
188	-21°	5048	18	24.9	-21	20.3	8.8	✓	
189	-21°	5052	18	25.6	-21	39.3	9.0	✓	



Saturday, Sept. 28, 1913.

B 40616 short circ.

No.	Lat.	Class	Remarks
✓ 190	2	A5	
✓ 191	2	A5	
✓ 192	1	A	
✓ 193	2	A	
✓ 194	1	A5	
✓ 195	3	A3	
✓ 196	2	A	Partly superseded on 195.
✓ 197	3	B8	
✓ 198	5	F5	
✓ 199	3	F5	
✓ 200	5	A3	
✓ 201	2	A5	
✓ 202	10	A5	
✓ 203	3	A5	
✓ 204	2	A5	
✓ 205	10	A5	
✓ 206	4	A5	
✓ 207	3	A5	
✓ 208	3	A5	
✓ 209	5	F5	
✓ 210	5	B9	
✓ 211	2	A5	
✓ 212	5	A2	
✓ 213	10	A3	
✓ 214	2	A5	
✓ 215	3	A5	
✓ 216	5	F5	

190	-21°	5040	18	23.9	-21	49.1	9.5	✓
191	-21°	5056	18	26.5	-21	47.0	9.1	✓
192	-21°	5056	18	28.6	-21	42.2	9.6	✓
193	-21°	5062	18	27.4	-21	33.4	9.4	✓
194	-21°	5063	18	27.7	-21	28.9	9.4	✓
195	-21°	5064	18	27.7	-21	48.2	9.3	✓
196	-21°	5065	18	27.9	-21	48.8	9.5	✓
197	-21°	5069	18	28.3	-21	45.8	9.0	✓
198	-21°	5071	18	28.8	-21	47.2	8.3	✓
199	-21°	5075	18	29.2	-21	52.4	8.8	✓
200	-21°	5070	18	28.8	-21	36.5	8.5	✓
201	-21°	5074	18	29.0	-21	31.7	8.8	✓
202	-21°	5076	18	29.2	-21	30.8	6.3	✓
203	-21°	5078	18	29.7	-21	39.5	9.1	✓
204	-21°	5079	18	29.8	-21	17.6	8.9	✓
205	-21°	5081	18	30.2	-21	9.9	6.0	✓
206	-21°	5088	18	30.8	-21	8.6	8.8	✓
207	-21°	5089	18	31.0	-21	1.9	8.9	✓
208	-20°	5221	18	31.1	-20	51.9	9.1	✓
209	-20°	5224	18	31.3	-20	47.7	8.6	✓
210	-21°	5090	18	31.4	-21	5.4	8.2	✓
211	-20°	5217	18	30.3	-20	24.1	9.2	✓
212	-20°	5220	18	30.6	-20	27.5	8.5	✓
213	-20°	5223	18	31.3	-20	11.5	6.5	✓
214	-20°	5227	18	32.0	-20	40.7	9.1	✓
215	-20°	5228	18	32.2	-20	37.6	9.0	✓
216	-20°	5237	18	33.7	-20	39.2	8.7	✓

Saturday, Sept 28, 1935.  
B4616 shot disp.

No.	Int.	Class	Remark
✓ 217	9	A	Focus poor
✓ 218	4	Fo	
✓ 219	7	Fo	
✓ 220	5	Fo	
✓ 221	5	Fo	Focus poor
✓ 222	2	Fo	
✓ 223	10	Fo	
✓ 224	3	Fo	
✓ 225	5	Fo	
✓ 226	3	Ao	
✓ 227	8	Fo	
✓ 228	5	Fo	
✓ 229	1	Fo	
✓ 230	2	Ao	
✓ 231	2	Fo?	
✓ 232	3	Fo	
✓ 233	4	Fo	
✓ 234	4	Ao	
✓ 235	2	Fo	
✓ 236	4	Fo	
✓ 237	2	Fo	
✓ 238	4	Fo	
✓ 239	9	Ao	
✓ 240	6	Fo	
✓ 241	1	Fo	
✓ 242	6	Fo	
✓ 243	4	Ao	

217	-20°	5240	18	33.8	-20	26.2	7.4	✓
218	-21°	5104	18	33.3	-21	27.1	8.3	✓
219	-21°	5118	18	34.9	-21	3.3	7.5	✓
220	-21°	5127	18	36.0	-21	6.5	8.1	✓
221	-20°	5253	18	36.7	-20	47.0	8.0	✓
222	-20°	5255	18	36.8	-20	55.9	8.7	✓
223	-21°	5131	18	36.6	-21	8.4	6.8	✓
224	-22°	4831	18	33.7	-22	7.7	9.0	✓
225	-22°	4833	18	33.9	-22	17.9	8.6	✓
226	-22°	4832	18	33.7	-22	28.5	9.1	✓
227	-22°	4835	18	34.6	-22	32.6	7.3	✓
228	-22°	4837	18	35.0	-22	48.3	7.8	✓
229	-22°	4838	18	35.2	-22	45.6	9.0	✓
230	-23°	14605	18	33.2	-23	15.1	9.6	✓
231	-23°	14618	18	33.7	-23	10.5	9.4	✓
232	-23°	14622	18	33.9	-23	17.4	9.4	✓
233	-23°	14634	18	34.6	-23	24.4	7.6	✓
234	-23°	14633	18	34.6	-23	14.8	9.1	✓
235	-23°	14639	18	35.0	-23	10.5	9.4	✓
236	-23°	14660	18	36.1	-23	20.5	8.8	✓
237	-23°	14679	18	36.8	-23	23.1	8.9	✓
238	-23°	14687	18	37.5	-23	23.4	8.4	✓
239	-23°	14625	18	34.2	-23	56.6	6.6	✓
240	-24°	14620	18	35.3	-24	4.0	7.8	✓
241	-24°	14604	18	34.5	-24	8.6	8.2	✓
242	-24°	14599	18	34.2	-24	28.8	8.1	✓
243	-24°	14606	18	34.6	-24	50.2	9.0	✓

Saturday, Sept. 28, 1912.

B 40616 short circ.

No.	Int.	Class	Remark
✓ 244	1	P	
✓ 245	2	fo	
✓ 246	3	fo	
✓ 247	3	fo	
✓ 248	4	fo	
✓ 249	3	fo	
✓ 250	1	fo	
9.50 ✓ 251	4	fo	
10.10 ✓ 252	2	fo	
✓ 253	2	fo	
✓ 254	3	fo	
✓ 255	1	fo	
✓ 256	2	fo	
✓ 257	4	fo	
✓ 258	2	fo	
✓ 259	2	fo	
✓ 260	2	fo	
✓ 261	2	fo	
✓ 262	2	A	
✓ 263	2	A	He appears faint.
✓ 264	2	fo	
✓ 265	2	fo	
✓ 266	2	A	
✓ 267	3	fo	
✓ 268	4	fo	
✓ 269	3	fo	
✓ 270	3	fo	

244-24°	14607 18	34.8-24	44.2	9.0	✓
245-24°	14623 18	35.4-24	26.1	9.1	✓
246-24°	14630 18	36.0-24	37.2	9.0	✓
247-24°	14640 18	36.4-24	48.6	9.0	✓
248-25°	13368 18	35.2-25	9.1	8.3	✓
249-25°	13351 18	33.9-25	5.8	8.3	✓
250-25°	13352 18	34.1-25	16.7	9.2	✓
251-25°	13341 18	33.1-25	7.4	8.9	✓
252-25°	13331 18	32.8-25	6.4	9.1	✓
253-24°	14590 18	33.6-24	43.2	9.4	✓
254-24°	14592 18	33.8-24	2.0	9.4	✓
255-23°	14617 18	33.7-23	51.9	9.2	✓
256-23°	14600 18	32.8-23	47.6	9.5	✓
257-24°	14581 18	33.0-24	13.1	9.2	-24° 14579 sup. n. p. mag. 9.6
258-24°	14578 18	32.7-24	16.1	9.5	✓
259-24°	14577 18	32.6-24	24.6	9.5	✓
260-23°	14579 18	31.4-23	56.3	9.4	✓
261-24°	14537 18	30.4-24	8.6	9.5	✓
262-24°	14543 18	30.6-24	23.1	9.7	✓
263-24°	14530 18	29.9-24	42.1	9.4	✓
264-22°	4815 18	30.5-22	45.7	9.3	✓
265-21°	5108 18	33.9-21	17.5	8.8	✓
266-21°	5111 18	34.4-21	25.9	9.6	-21° 5110 mag. 9.6 sup. p. d.
267-21°	5117 18	34.7-21	27.5	8.8	✓
268-21°	5128 18	36.3-21	30.5	9.1	✓
269-21°	5129 18	36.4-21	40.2	9.0	✓
270-21°	5130 18	36.4-21	53.7	9.0	✓



Saturday, Sept. 28, 1930.  
B 40616 short circ.

No.	Int.	Class	Remark
✓ 271	3	F2	
✓ 273	3	Ma	
✓ 273	3	A	Another star partly superposed.
✓ 274	2	A	E.
✓ 275	2	A	E.
✓ 276	10	ly	
✓ 277	3	F2	
✓ 278	5	A2	
✓ 279	2	Fo	
✓ 280	2	A	
✓ 281	2	A	E.
✓ 282	2	Fo	E.
✓ 283	2	Fo	E.
✓ 284	2	A	E.
✓ 285	2	ly	
✓ 286	2	A	Nearly all superposed on 287.
✓ 287	5	B9	
✓ 288	3	F	Partly superposed on 289.
✓ 289	1	ly	
✓ 290	1	A	
✓ 291	4	Fo	
✓ 292	2	A	Another star partly superposed?
✓ 293	2	F2	
✓ 294	4	F	E.
✓ 295	3	ly	
✓ 296	2	F	E.
✓ 297	2	A	E.

271	-21°	4963	18	13.3	-21	8.9	9.1	✓
272	-20°	5118	18	14.7	-20	43.3	8.0	✓
273	-20°	5116	18	14.6	-20	38.4	9.0	✓ -20° 5119 magn. 9.4 sup.
274	-20°	5115	18	14.5	-20	12.7	9.1	✓
275	-20°	5124	18	15.6	-20	23.7	8.9	✓
276	-20°	5134	18	16.7	-20	36.9	5.4	✓
277	-20°	5129	18	16.3	-20	51.2	8.5	✓
278	-21°	4992	18	17.0	-21	6.2	8.5	✓
279	-20°	5141	18	17.9	-20	56.1	9.0	✓
280	-20°	5139	18	17.6	-20	42.4	9.3	✓
281	-20°	5140	18	17.9	-20	21.4	9.1	✓
282	-20°	5145	18	19.3	-20	1.5	9.1	✓
283	-19°	5015	18	20.0	-19	51.8	8.8	✓
284	-19°	5047	18	21.4	-19	52.9	9.2	✓
284	-19°	5185	18	20.3	-19	52		
285	-20°	5148	18	19.5	-20	47.3	8.9	✓
286	-20°	5146	18	19.4	-20	53.6	9.0	✓
287	-20°	5147	18	19.5	-20	52.7	8.7	✓
288	-21°	5012	18	19.4	-21	26.1	9.0	✓
289	-21°	5013	18	19.5	-21	19.0	8.7	✓
290	-20°	5152	18	19.9	-20	53.2	9.5	✓
291	-20°	5160	18	21.9	-20	22.8	7.5	✓
292	-20°	5165	18	23.1	-20	9.5	9.2	✓
293	-20°	5169	18	23.4	-20	8.1	8.7	✓
294	-19°	5057	18	23.9	-19	33.5	8.7	✓
295	-19°	5063	18	24.8	-19	36.5	9.3	✓
296	-19°	5067	18	25.4	-19	35.0	9.0	✓
297	-19°	5068	18	25.4	-19	45.1	9.4	✓

Saturday, Sept. 28, 1913.

B40616 short disp.

Mr.	Lat.	Class	Remark
✓ 297	3	So	
✓ 299	3	So	
✓ 300	3	So	
✓ 301	5	So	
✓ 303	3	So	
✓ 303	5	So	
✓ 304	3	So	
✓ 305	8	So	
✓ 306	7	So	
✓ 307	3	A	Partly superposed on 306.
✓ 308	2	So	
✓ 309	2	So	
✓ 310	2	A	Another star partly superposed.
✓ 311	3	So	
✓ 312	3	So	Hydrogen lines very broad.
✓ 313	5	So	
✓ 314	2	So	
Time: 10.38	315	2	A
✓ 316	1	P	$H\gamma = 10$ $H\beta = 1$ $4959 = 40$ $5007 = 40$ $H\delta = 1$ $H\epsilon = 5$ $H\zeta = 15$
✓ 317	1	P	$H\gamma = 10$ $H\beta = 2$ $4959 + 5007 = 60$
318	1	So	
319	1	So	
320	7	So	

298	-19°	5072	18	25.9	-19	46.1	9.3	✓
299	-19°	5075	18	26.4	-19	38.4	8.8	✓
300	-19°	5073	18	26.2	-19	23.4	9.1	✓
301	-19°	5077	18	26.8	-19	22.3	7.0	✓
302	-19°	5078	18	26.9	-19	30.1	9.0	✓
303	-19°	5080	18	27.3	-19	39.6	8.5	✓
304	-19°	5083	18	27.7	-19	57.2	8.8	✓
305	-19°	5085	18	28.9	-19	40.3	9.1	✓
not a day								
306	-20°	5196	18	28.0	-20	25.5	7.3	✓
307	-20°	5197	18	28.1	-20	26.6	9.0	✓
308	-20°	5199	18	28.2	-20	17.7	8.5	✓
309	-20°	5201	18	28.4	-20	34.1	9.4	✓
310	-20°	5202	18	28.5	-20	45.5	9.6	✓
311	-20°	5207	18	28.7	-20	27.3	9.4	✓
312	-20°	5209	18	29.0	-20	11.2	9.1	✓
313	-19°	5095	18	28.5	-19	53.6	8.6	✓
314	-19°	5087	18	27.9	-19	44.7	9.0	✓
not a day								
→ 315	-20°	5189	18	26.7	-20	57.3	6.5	✓
316	-25°	13223	18	24.9	-25	13.6	9.6	✓
317	-23°	14850	18	18.1	-23	16.7	9.9	✓
Ident on cards by Amc. July 30, 1915								
Ident. in Book by M. A. H. Aug. 3, 1925								
Identification confirmed by E. R. B. August 5, 1915								
318	-21°	4978	18	15.4	-21	53	9.5	18.00 B 40.711
319	-23°	14343	18	17.5	-23	1	9.3	8 " "
320	-25°	13391						

Saturday, Sept. 28, 1912

Time: 11.40

7338105 shot, dips.

No.	Lat.	Class	Remarks
✓ 1	31	A	E.
✓ 2	31	A	E.
✓ 3	21	A3	E.
✓ 4	21	A5	E.
✓ 5	7	A7	E.
✓ 6	4	A0	
✓ 7	3	A0	
✓ 8	10	B0	Burned out.
✓ 9	2	A0	
✓ 10	4	B9	Another star partly superposed.
✓ 11	2	A0	
✓ 12	2	A0	
✓ 13	2	A0	
✓ 14	2	A0	
✓ 15	4	A5	
✓ 16	2	A0	
✓ 17	3	A0	
✓ 18	2	A0	
✓ 19	1	A0	
✓ 20	4	A0	
✓ 21	6	A0	
✓ 22	5	A0	
✓ 23	1	M0	
✓ 24	2	A0	
✓ 25	6	A5	
✓ 26	3	B9	
✓ 27	1	A0	

1	-25° 13347	18	33.6	-25	33	9.3	✓
2	-25° 13367	18	35.2	-25	37	8.9	✓
3	-25° 13383	18	36.5	-25	36	9.3	✓
4	-25° 13384	18	36.6	-25	33	9.4	✓
5	-25° 13391	18	37.0	-25	35	8.8	✓
	-25° 13390	18	37.0	-25	37	8.0	✓
6	-25° 13390	18	37.0	-25	29	8.4	✓
7	-25° 13393	18	37.1	-25	30	9.0	✓
8	-25° 13394	18	37.1	-25	8	6.2	✓
9	-25° 14668	18	37.6	-24	25	8.8	✓
10	-24° 14661	18	37.2	-24	16	9.1	✓
11	-24° 14651	18	36.7	-24	28	9.4	✓
12	-24° 14647	18	36.6	-24	17	9.4	✓
13	-24° 14641	18	36.4	-24	20	9.5	✓
14	-23° 14675	18	37.0	-23	37	9.6	✓
15	-23° 14684	18	37.4	-23	46	8.8	✓
16	-23° 14688	18	37.6	-23	34	9.4	✓
17	-23° 14694	18	37.9	-23	36	9.4	✓
18	-23° 14692	18	37.7	-23	44	9.6	✓
19	-23° 14699	18	38.3	-23	46	9.1	✓
20	-24° 14684	18	38.8	-24	2	8.7	✓
21	-23° 14709	18	39.2	-23	46	8.8	✓
22	-23° 14726	18	40.3	-23	23	8.4	✓
23	-23° 14733	18	41.1	-23	21	9.0	✓
24	-23° 14744	18	42.2	-23	30	9.1	✓
25	-22° 13325	18	42.6	-22	37	7.5	✓
26	-22° 4878	18	41.8	-22	59	8.9	✓
27	-23° 14737	18	43.3	-23	58	7.8	✓

Two stars on plate - 5th class. Water 13 28105  
Two in C.P.D. Over in C.D.M.



Saturday, Sept. 28, 1913.

1332105 short disp.

No.	Int.	Class	Remark
✓ 28	2	Ho	
✓ 29	3	Ho	
✓ 30	5	Co	
✓ 31	2	Ho	
✓ 32	6	Co	
✓ 33	1	Ho	
✓ 34	4	Co	
✓ 35	3	Co	
✓ 36	4	Ho	
✓ 37	2	Ho	
✓ 38	2	Co	
✓ 39	4	Ho	
✓ 40	3	Co	
✓ 41	5	Ho	
✓ 42	2	Co	
✓ 43	2	Ho	
✓ 44	2	Ho	
✓ 45	5	Co	
✓ 46	5	Ho	
✓ 47	5	Ho	
✓ 48	4	Co	
✓ 49	2	Ho	
✓ 50	2	Co	
✓ 51	2	Ho	The preceding of two
✓ 52	3	Ho	
✓ 53	2	Co	
✓ 54	2	Ho	

28	-23° 14760	18	43.5	23	11	8.6	✓
29	-23° 14758	18	43.3	23	45	8.6	✓
30	-24° 14737	18	41.8	24	41	8.8	✓
31	-24° 14739	18	41.9	24	32	9.3	✓
32	-24° 14715	18	40.5	24	52	8.5	✓
33	-24° 14718	18	40.6	24	42	9.5	✓
34	-24° 14714	18	40.4	24	30	9.3	✓
35	-24° 14705	18	39.9	24	38	8.8	✓
36	-24° 14706	18	39.9	24	27	8.0	✓
37	-25° 13427	18	39.2	25	3	9.0	✓
38	-25° 13430	18	39.6	25	8	9.4	✓
39	-25° 13431	18	39.6	25	20	9.2	✓
40	-25° 13420	18	38.8	25	28	9.5	✓
41	-24° 14750	18	42.5	24	46	8.3	✓
42	-25° 13426	18	41.0	25	4	9.4	✓
43	-24° 14748	18	42.5	24	23	9.6	✓
44	-24° 14761	18	43.3	24	39	9.1	✓
45	-24° 14762	18	43.5	24	32	8.5	✓
46	-24° 14767	18	43.9	24	30	8.2	✓
47	-24° 14772	18	44.2	24	48	8.0	✓
48	-25° 13422	18	43.5	25	8	8.9	✓
49	-25° 13486	18	43.7	25	20	9.1	✓
50	-25° 13491	18	44.2	25	31	9.4	✓
51	-25° 13495	18	44.5	25	30	9.1	✓
52	-25° 13498	18	44.7	25	7	9.6	✓
53	-25° 13518	18	46.5	25	18	9.6	✓
54	-25° 13505	18	45.3	25	2	9.0	✓

See C.P.D. 5 on plate 170.30  
 This star slightly precedes

-24° 14712 18 40.4 -24 28 9.4<sup>2</sup> per.

Saturday, Sept. 28, 1913.  
B38105 short drags.

No.	Int.	Class	Remarks
✓ 55	25	B <sub>9</sub>	
✓ 56	3	B <sub>9</sub>	
✓ 57	3	B <sub>9</sub>	
✓ 58	4	F <sub>0</sub>	
✓ 59	2	A <sub>0</sub>	
✓ 60	3	F <sub>0</sub>	
✓ 61	8	F <sub>0</sub>	
✓ 62	6	A <sub>0</sub>	
✓ 63	3	F <sub>0</sub>	
✓ 64	3	A <sub>0</sub>	
✓ 65	2	A <sub>0</sub>	
✓ 66	2	F <sub>0</sub>	Another class of same class exp. at Smith.
✓ 67	2	A <sub>0</sub>	
✓ 68	1	F <sub>0</sub>	
✓ 69	2	A	
✓ 70	2	F <sub>0</sub>	
✓ 71	3	F <sub>0</sub>	
✓ 72	2	F <sub>0</sub>	
✓ 73	6	B <sub>9</sub>	
✓ 74	2	F <sub>0</sub>	
✓ 75	3	F <sub>0</sub>	
✓ 76	2	F <sub>0</sub>	
✓ 77	3	A <sub>0</sub>	
✓ 78	3	A <sub>0</sub>	
✓ 79	3	F <sub>0</sub>	
✓ 80	4	A <sub>0</sub>	
✓ 81	3	A <sub>0</sub>	

55	-24° 14798	18	45.7	-24	44	8.5	✓
56	-24° 14773	18	44.2	-24	22	8.3	✓
57	-24° 14778	18	44.7	-24	9	9.0	✓
58	-24° 14800	18	45.5	-24	8	8.6	✓
59	-23° 14772	18	44.4	-23	30	9.3	✓
60	-23° 14794	18	45.6	-22	31	8.4	✓
61	-22° 14834	18	37.6	-22	32	6.2	✓
62	-22° 4858	18	38.2	-22	44	8.5	✓
63	-22° 4860	18	38.5	-22	55	9.0	✓
64	-23° 14708	18	39.2	-23	14	9.3	✓
65	-23° 14683	18	37.4	-23	9	9.5	✓
66	-23° 14618	18	36.7	-23	7	8.6	✓
67	-23° 14673	18	36.7	-23	8	9.6	✓
68	-23° 14715	18	37.5	-23	17	9.4	✓
69	-23° 14724	18	40.2	-23	14	9.6	✓
70	-23° 4864	18	39.5	-22	34	8.6	✓
71	-22° 4863	18	39.1	-22	19	8.8	✓
72	-22° 4865	18	39.7	-22	14	9.0	✓
73	-22° 4869	18	38.2	-22	26	8.5	✓
74	-22° 4855	18	37.8	-22	5	8.9	✓
75	-21° 3733	18	37.4	-21	20	9.1	✓
76	-20° 5260	18	37.6	-20	35	9.1	✓
77	-21° 3787	18	38.7	-21	17	9.2	✓
78	-21° 5138	18	39.3	-21	7	8.8	✓
79	-20° 5264	18	38.4	-20	37	8.7	✓
80	-20° 5265	18	38.5	-20	33	9.0	✓
81	-20° 5266	18	39.0	-20	33	9.4	✓

-20.3 1467015 36.7 23 10 9.2<sup>2/4</sup>

Saturday, Sept 25, 1910.

B38105 short exp.

No.	Int.	Class	Remarks
✓ 82	8	B8	
✓ 83	5	F8	
✓ 84	3	F5	C.
✓ 85	6	A0	C.
✓ 86	3	A0	C.
✓ 86 <sup>a</sup>	7	B8	
✓ 87	3	F8	
✓ 88	10	F5	
✓ 89	2	B9	
✓ 90	2	B9	
✓ 91	2	A5	
✓ 92	2	F5	
✓ 93	2	A2	
✓ 94	2	F0	
✓ 95	2	A	
✓ 96	2	A5	
✓ 96 <sup>a</sup>	2	A0	
✓ 97	2	A0	
✓ 98	3	F0	
✓ 99	1	F5	
✓ 100	6	A0	
✓ 101	3	F0	
✓ 102	4	F0	
✓ 103	3	A0	
✓ 104	3	F0	
✓ 105	2	F5	
✓ 106	3	F0	
✓ 107	5	A0	
✓ 108	3	F2	

	82	-20° 5268	18	39.3	-20	25	7.0	
	83	-20° 5267	18	39.1	-20	25	7.2	
	84	-19° 5169	18	39.7	-19	45	9.1	
	85	-19° 5170	18	39.7	-19	51	8.8	
Two stars 86 86 <sup>a</sup>	86	-19° 5184	18	41.4	-19	54	9.2	
	86 <sup>a</sup>	-40° 5272	18	40.2	-20	18	8.0	
	87	-20° 5278	18	41.2	-20	10	8.3	
	88	-20° 5277	18	41.1	-20	28	5.3	
	89	-20° 5279	18	41.2	-20	45	9.5	
	90	-21° 5151	18	41.0	-21	3	9.5	
	91	-20° 5281	18	42.0	-20	60	9.2	
	92	-20° 5282	18	42.1	-20	48	8.8	
	93	-21° 5144	18	40.0	-21	44	9.4	
	94	-22° 4873	18	41.4	-22	1	9.2	
	95	-22° 4872	18	41.4	-22	14	10.0	
Not in sec. 96 96 <sup>a</sup>	96	CR 111 - 22° 1322	18	42.6	-22	21	9.9	
	96 <sup>a</sup>	<del>CR 111 - 22° 1322</del>	18	<del>41.4</del>	<del>-22</del>	<del>22</del>		
	97	-22° 4876	18	41.6	-22	14	9.5	
	98	-22° 4880	18	42.0	-22	26	8.5	
	99	-22° 4881	18	42.1	-22	19	6.9	
	100	-22° 4887	18	42.7	-22	30	8.5	
	101	-22° 4882	18	42.2	-22	45	9.2	
	102	-22° 4886	18	42.6	-22	11	8.3	
	103	-21° 5159	18	42.8	-21	53	9.3	
	104	-21° 5160	18	42.8	-21	37	9.2	
	105	-21° 5162	18	43.2	-21	42	9.0	
			18	43.7	-21	31	9.4	
	106	-21° 5165	18	43.3	-21	52	9.4	
	107	-22° 4890	18	43.0	-22	2	9.0	
	108	-21° 5162	18	43.1	-21	51	9.1	

Two stars on plate - see short plate B38105.  
Two in CR 111 same as above - only one in CR 111.  
Which is classed as combined light (CR 111).



Saturday, Sept. 28, 1913.  
B38105 chat disp.

No.	Int.	Class	Remark
✓ 109	2	h <sub>0</sub>	
✓ 110	2	h <sub>0</sub>	
✓ 111	1	h <sub>0</sub>	
✓ 112	1	h <sub>0</sub>	
✓ 113	1	h <sub>0</sub>	
✓ 114	6	h <sub>0</sub>	
✓ 115	3	h <sub>0</sub>	
✓ 116	4	h <sub>0</sub>	
✓ 117	2	h <sub>0</sub>	
✓ 118	2	h <sub>0</sub>	
✓ 119	4	h <sub>0</sub>	
✓ 120	3	h <sub>0</sub>	
✓ 121	3	h <sub>0</sub>	
✓ 122	5	h <sub>0</sub>	
✓ 123	3	h <sub>0</sub>	
✓ 124	4	h <sub>0</sub>	
✓ 125	9	h <sub>0</sub>	
✓ 126	2	h <sub>0</sub>	
✓ 127	1	h <sub>0</sub>	
✓ 128	1	h <sub>0</sub>	The s.f. of two.
✓ 129	3	h <sub>0</sub>	
✓ 130	3	h <sub>0</sub>	
✓ 131	3	h <sub>0</sub>	
✓ 132	6	h <sub>0</sub>	
✓ 133	8	h <sub>0</sub>	
✓ 134	2	h <sub>0</sub>	
✓ 135	3	h <sub>0</sub>	

109	-22° 48' 9"	18	42.9	-22	0	9.3	✓
110	-22° 48' 3"	18	42.5	-22	22	9.4	✓
111	-22° 48' 9"	18	42.4	-22	36	9.6	✓
112	-22° 48' 4"	18	43.7	-22	34	9.8	✓
113	-22° 48' 6"	18	43.8	-22	44	9.5	✓
114	-22° 48' 7"	18	43.9	-22	28	8.8	✓
115	-22° 48' 8"	18	44.0	-22	34	8.7	✓
116	-22° 48' 9"	18	44.2	-22	33	9.7	✓
117	-21° 51' 6"	18	43.8	-21	36	9.3	✓
118	-21° 51' 9"	18	44.1	-21	35	9.4	✓
119	-21° 51' 7"	18	44.6	-21	54	8.5	✓
120	-22° 49' 5"	18	45.3	-22	1	9.3	✓
121	-21° 51' 7"	18	44.7	-21	30	9.1	✓
122	-21° 51' 3"	18	45.0	-21	13	8.3	✓
123	-20° 53' 15"	18	45.2	-20	60	7.1	✓
124	-21° 51' 7"	18	45.5	-21	6	8.5	✓
125	-21° 51' 6"	18	45.3	-21	32	6.2	✓
126	-21° 51' 8"	18	45.8	-21	29	9.1	✓
127	-21° 51' 8"	18	45.8	-21	32	9.5	✓
128	-21° 51' 9"	18	45.8	-21	40	9.5	✓
129	-22° 49' 14"	18	46.2	-22	8	9.0	✓
130	-22° 49' 2"	18	45.8	-22	27	9.3	✓
131	-20° 52' 3"	18	42.1	-20	26	9.1	✓
132	-20° 52' 6"	18	42.4	-20	28	7.8	✓
133	-20° 52' 8"	18	42.5	-20	28	8.3	✓
134	-20° 52' 9"	18	42.3	-20	19	9.1	✓
135	-20° 52' 9"	18	42.9	-20	36	9.2	✓

Saturday, Sept. 28, 1912.

B38105 shot dup.

No.	Int.	Class	Remarks
✓ 136	3	B <sub>9</sub>	
✓ 137	3	F <sub>8</sub>	
✓ 138	5	A <sub>0</sub>	
✓ 139	7	A <sub>0</sub>	
✓ 140	2	F <sub>3</sub>	
✓ 141	4	B <sub>9</sub>	
✓ 142	2	A <sub>0</sub>	
✓ 143	2	F <sub>0</sub>	
✓ 144	4	F <sub>3</sub>	
✓ 145	8	B <sub>9</sub> E.	
✓ 146	8	A <sub>5</sub> E.	
✓ 147	4	A <sub>0</sub>	
✓ 148	3	A <sub>0</sub>	
✓ 149	2	A <sub>0</sub>	
✓ 150	10+	B <sub>9</sub> ?	Burned out.
✓ 151	3	B <sub>9</sub>	
✓ 152	5	A <sub>0</sub>	
✓ 153	10+	F <sub>9</sub>	Burned out
✓ 154	2	A	
✓ 155	4	F <sub>0</sub>	
✓ 156	3	F <sub>0</sub>	
✓ 157	2	F <sub>0</sub>	
✓ 158	1	F <sub>5</sub>	
✓ 159	4	A <sub>3</sub>	
✓ 160	4	F <sub>0</sub>	
✓ 161	3	A <sub>2</sub>	
✓ 162	2	F <sub>0</sub>	

136	-20° 5161	18	43.0	-21	4	9.0	✓
137	-21° 5164	18	43.2	-21	2	8.8	✓
138	-20° 5297	18	43.4	-20	46	8.9	✓
139	-20° 5295	18	43.4	-20	33	8.2	✓
140	-20° 5307	18	43.0	-20	42	9.0	✓
141	-20° 5310	18	44.3	-20	41	8.7	✓
142	-20° 5314	18	44.9	-20	37	10.0	✓
143	-20° 5316	18	45.2	-20	38	8.9	✓
144	-20° 5328	18	46.4	-20	28	8.7	✓
145	-20° 5329	18	46.6	-20	26	8.0	✓
146	-20° 5333	18	47.1	-20	11	7.8	✓
147	-21° 5183	18	46.7	-21	1	8.8	✓
148	-21° 5184	18	46.8	-21	5	8.8	✓
149	-21° 5186	18	47.0	-21	4	9.4	✓
150	-20° 5339	18	48.7	-20	50	5.5	✓
151	-21° 5196	18	48.5	-21	30	7.4	✓
152	-21° 5200	18	49.0	-21	20	8.5	✓
153	-21° 5201	18	49.1	-21	17	4.0	✓
154	-22° 4925	18	48.7	-22	4	9.5	✓
155	-21° 5202	18	49.1	-21	55	8.5	✓
156	-21° 5204	18	49.5	-21	46	9.1	✓
157	-22° 4929	18	49.7	-22	10	8.8	✓
158	-22° 4932	18	50.0	-22	10	9.2	✓
159	-22° 4937	18	50.5	-22	6	9.1	✓
160	-22° 4938	18	50.9	-22	1	8.3	✓
161	-21° 5210	18	51.2	-21	56	9.3	✓
162	-21° 5209	18	50.8	-21	34	9.2	✓

-21° 5197 superdup.

Saturday, Sept 28, 1912.

B38105 short circs.

No	Lat.	Class	Remark
✓ 163	6	B <sub>9</sub>	
✓ 164	8	B	Burned out
Time: 12.14	165	Ho	
Sept. 30.	10.08	166	1
✓ 167	1	A5	
✓ 168	1	A <sub>10</sub>	
✓ 169	2	A	
✓ 170	1	A	
✓ 171	2	Ho	
✓ 172	5	B <sub>9</sub>	
✓ 173	1	Ho	
✓ 174	1	A	
✓ 175	2	Ho	
Time: 10.13	176	Ho	
✓ 177	3	A5	
178	10	Ho	Planet?

cont. 137, 12

163	-21° 52.07	18	50.6	-21	25	8.3	✓
164	-20° 53.44	18	49.6	-20	36	7.8	✓
165	-22° 49.17	18	46.8	-22	27	8.2	✓
166	-22° 49.21	18	47.9	-22	17	9.5	✓
167	-21° 51.92	18	47.8	-21	60	9.7	✓
168	-21° 51.91	18	47.6	-21	40	9.2	✓
CPD -21° 51.91	18	47.6	-21	40	9.2		
169	-21° 51.91	18	47.6	-21	40	9.2	✓
170	-21° 52.06	18	50.4	-21	16	9.5	✓
171	-20° 53.48	18	50.1	-20	50	8.0	✓
172	-20° 53.51	18	50.6	-20	41.2	9.0	✓
173	-22° 49.01	18	44.8	-22	24	9.4	✓
174	-22° 49.06	18	45.4	-22	15	8.3	✓
175	-23° 14.810	18	46.5	-23	4	7.1	✓
176	-23° 14.813	18	46.6	-23	8	7.6	✓

Identified here April 5, 1915

177	-23° 14.866	18	36.6	-23	32	9.3	✓
178	Uranus!						

Ident. on cards by AMC. April 15, 1915

Identification confirmed by S.R.B. April 16, 1915



Monday, Sept. 30, 1913.

Time: 10.16

B 23765 short dip.

No.	Int.	Class	Remarks
✓ 1	3	Ma	
✓ 2	4	B <sub>9</sub>	
✓ 3	5	A <sub>3</sub>	
✓ 4	3	J <sub>12</sub>	
✓ 5	2	A <sub>0</sub>	
✓ 6	5	J <sub>10</sub>	
✓ 7	5	A <sub>3</sub>	
✓ 8	2	J <sub>10</sub>	
✓ 9	2	A <sub>0</sub>	
✓ 10	3	L <sub>5</sub>	Partly superposed on 11.
✓ 11	2	L <sub>5</sub>	
✓ 12	3	Ma	
✓ 13	5	B <sub>9</sub>	
✓ 14	4	A <sub>2</sub>	
✓ 15	6	L <sub>5</sub>	
✓ 16	3	B <sub>9</sub>	Another star partly superposed.
✓ 17	2	A <sub>3</sub>	
✓ 18	7	Ma	
✓ 19	2	J <sub>12</sub>	
✓ 20	3	L <sub>5</sub>	
✓ 21	5	J <sub>5</sub>	
✓ 22	1	K	Partly superposed on 21.
✓ 23	2	A <sub>0</sub>	
✓ 24	1	K	
✓ 25	8	K <sub>0</sub>	
✓ 26	7	J <sub>10</sub>	
✓ 27	6	B <sub>9</sub>	Item of class A partly superposed

1	-19° 52.37	18	48.1	-19	49	8.6	✓
2	-19° 52.35	18	48.1	-19	53	9.3	✓
3	-19° 52.36	18	48.1	-19	60	9.0	✓
4	-20° 53.38	18	48.7	-20	27	9.0	✓
5	-20° 53.42	18	49.3	-20	27	9.8	✓
6	-19° 52.44	18	49.3	-19	53	8.4	✓
7	-20° 53.41	18	49.3	-20	1	9.2	✓
8	-20° 53.40	18	48.2	-20	9	10.0	✓
9	alt. 185.5 per	18	49.6	-20	17	10.0	✓
10	-19° 52.49	18	50.0	-19	47	9.4	✓
11	-19° 52.48	18	49.9	-19	51	9.5	✓
12	-19° 52.50	18	50.0	-19	22	8.8	✓
13	-19° 52.47	18	49.7	-19	4	9.4	✓
14	-18° 51.48	18	49.9	-18	50	9.3	✓
15	-18° 51.49	18	50.0	-18	43	8.7	✓
16	-19° 52.51	18	50.2	-19	1	9.6	✓
17	-19° 52.54	18	50.7	-19	14	9.4	✓
18	-19° 52.51	18	50.7	-19	50	9.7	✓
19	-19° 52.50	18	49.7	-19	34	8.8	✓
20	-19° 52.56	18	51.0	-19	52	9.2	✓
21	-19° 52.56	18	51.6	-19	50	9.2	✓
22	-19° 52.59	18	51.1	-19	58	8.8	✓
23	-19° 52.56	18	51.5	-19	27	9.3	✓
24	-19° 52.54	18	51.3	-19	43	9.4	✓
25	-19° 52.50	18	51.6	-19	6	9.8	✓
26	-19° 52.51	18	51.1	-19	51	9.2	✓
27	-19° 52.51	18	52.0	-19	26	9.5	✓
28	-19° 52.52	18	51.3	-19	54	9.3	✓
29	-19° 52.53	18	52.5	-19	52	9.8	✓
30	-19° 52.51	18	48.2	-19	58	9.8	✓
31	-19° 52.52	18	52.0	-19	57	9.3	✓
32	-20° 53.58	18	51.9	-20	5	8.9	✓

According to chart, plate 10 48.50 - 18  
star precedes instead of follows.  
alt. 185.5 perStar at south superposed in Dec. cat.  
CPD. 19° 52.53 9.7

This is CPD. 19° 52.53 18 52.1 - 19 32.97

Another star superposed on preceding side.  
It is placed on upper edge of image.

Star south, not in Dec. cat., superposed

Monday, Sept. 30, 1912  
B 23765 about diff.

No.	Int.	Class	Remarks
✓ 28	3	Fo	The central one of a group
✓ 29	5	Fo	
✓ 30	2	Fo	
✓ 31	2	Fo	
✓ 32	6	Aa	
✓ 33	5	B9	
✓ 34	3	B9	
✓ 35	2	F5	
✓ 36	1	Fo	Another star partly superposed?
✓ 37	10	Fo	
✓ 38	10+	F5	
✓ 39	7	B9	
✓ 40	6	F5	
✓ 41	7	B5	
✓ 42	4	Fo	
✓ 43	3	Fo	
✓ 44	3	F5	
✓ 45	1	Fo	
✓ 46	2	F5	
✓ 47	1	A	
✓ 48	1	A5	
✓ 49	2	F5	
✓ 50	2	Ao	
✓ 51	7	F8	
✓ 52	5	A5	Partly superposed on 51.
✓ 53	6	F5	
✓ 54	5	Fo	

28	-20° 53' 11"	18	52.2	-20	3	9.2	✓
29	-20° 53' 44"	18	52.3	-20	2	9.5	✓
30	-19° 52' 14"	18	52.8	-19	52	9.4	✓
31	-19° 52' 20"	18	53.1	-19	52	9.4	✓
32	-20° 53' 39"	18	53.1	-20	2	8.9	✓
33	-19° 52' 08"	18	53.8	-19	26	9.4	✓
34	-19° 52' 07"	18	54.0	-19	26	9.1	✓
35	-19° 52' 07"	18	53.8	-19	35	9.5	✓
36	-19° 52' 06"	18	53.2	-19	31	9.3	✓
37	-19° 52' 06"	18	53.6	-19	30	9.4	✓
38	-19° 52' 20"	18	54.1	-19	42	9.5	✓
39	-19° 52' 21"	18	54.3	-19	37	9.4	✓
40	-19° 52' 23"	18	54.5	-19	27	6.1	✓
41	-19° 52' 25"	18	54.6	-19	18	7.0	✓
42	-19° 52' 24"	18	54.5	-19	40	9.1	✓
43	-19° 52' 25"	18	54.7	-19	37	9.0	✓
44	-19° 52' 24"	18	54.8	-19	29	9.9	✓
45	-19° 52' 24"	18	55.0	-19	36	9.1	✓
46	-19° 52' 24"	18	54.7	-19	38	9.5	✓
47	-19° 52' 28"	18	54.9	-19	43	9.0	✓
48	-19° 52' 27"	18	54.9	-19	42	9.2	✓
49	-19° 52' 26"	18	55.1	-19	35	9.5	✓
50	-19° 52' 23"	18	55.1	-19	35	9.4	✓
51	-20° 53' 23"	18	55.0	-20	58	9.5	✓
52	-19° 52' 22"	18	55.0	-19	47	8.5	✓
53	-20° 53' 27"	18	54.4	-20	1	9.0	✓
54	-20° 53' 21"	18	54.7	-20	24	9.4	✓
55	-20° 53' 22"	18	54.0	-20	14	9.4	✓
56	-20° 53' 22"	18	54.5	-20	54	9.0	✓
57	-19° 52' 29"	18	54.0	-19	8	9.5	✓
58	-20° 53' 29"	18	53.7	-20	30	9.4	✓
59	-20° 53' 27"	18	54.1	-20	36	8.5	✓
60	-20° 53' 26"	18	54.1	-20	38	8.8	✓
61	-20° 53' 29"	18	54.5	-20	56	8.8	✓
62	-20° 53' 22"	18	55.0	-20	47	8.9	✓

This is CPD-19° 22' 27" 18' 54.2-19 51 72° 1522 pos.

A fainter star, on preceding page, superposed.  
It, however, as the classification might be of diff. pos.  
as -19° 52' 21"

This is CPD-20° 73' 28" 18' 54.9-20 3 97 1522 pos.

This is CPD-20° 73' 22" 18' 55.1-20 10 10.4 1522 pos.

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B 22765 star dup.

No.	Int.	Class	Remark
✓ 55	10	B5	
✓ 56	8	B8	
✓ 57	3	A0	
✓ 58	3	F0	
✓ 59	3	F0	Another star superimposed?
✓ 60	4	F0	" " " "
✓ 61	5	F0	
✓ 62	2	F5	
✓ 63	8	F5	
✓ 64	7	B9	
✓ 65	2	F	
✓ 66	4	F0	
✓ 67	1	F	
✓ 68	3	F5	
✓ 69	2	A5	
✓ 70	1	F	
✓ 71	1	F5	
✓ 72	2	A0	
✓ 73	2	A0	
✓ 74	4	B9	
✓ 75	1	F	
✓ 76	4	A0	
✓ 77	1	F5	
✓ 78	2	A0	
✓ 79	4	A2	
✓ 80	3	A3	
✓ 81	3	F5	

55	-20° 53.71	18	55.0	-20	20	7.8	✓
56	-20° 53.88	18	55.7	-20	21	8.3	✓
57	-20° 53.97	18	55.4	-20	20	9.5	✓
58	-20° 53.88	18	55.4	-19	39	9.0	✓
59	-20° 53.88	18	55.3	-20	53	8.6	✓
60	-21° 52.21	18	55.5	-21	0	8.7	✓
61	-21° 52.88	18	56.0	-21	14	8.8	✓
62	-21° 52.89	18	56.2	-21	13	9.1	✓
63	-21° 52.42	18	56.5	-21	9	9.8	✓
64	-21° 52.43	18	56.6	-21	18	8.7	✓
65	-21° 52.45	18	57.0	-21	15	9.5	✓
66	-21° 52.46	18	57.1	-21	8	8.5	✓
67	-21° 52.40	18	58.2	-21	0	9.4	✓
68	-20° 53.89	18	56.1	-20	43	9.2	✓
69	-20° 53.87	18	55.7	-20	42	9.6	✓
70	-20° 53.52	18	56.6	-20	17	9.4	✓
71	-20° 53.53	18	56.7	-20	17	9.3	✓
72	-20° 53.55	18	57.1	-20	26	9.4	✓
73	-20° 53.59	18	57.9	-20	39	9.5	✓
74	-20° 53.60	18	52.0	-20	49	9.0	✓
75	-21° 52.19	18	52.4	-21	10	9.5	✓
76	-21° 52.21	18	53.1	-21	8	8.8	✓
77	-20° 53.71	18	53.4	-20	53	9.5	✓
78	-20° 52.24	18	53.7	-21	28	9.5	✓
79	-21° 52.16	18	52.1	-21	46	9.1	✓
80	-21° 52.14	18	51.2	-21	57	9.4	✓
81	-22° 49.43	18	52.3	-22	8	9.3	✓

This is CPD -20 7409 18 56.5 -20 29 9.2

star following superband might be identified as 205283 as well as star classified as 21 18 55.6 -21 0 8.7 -21 18 55.6 -21 2 9.5



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B 23765 short dips.

No.	Int.	Class	Remark
✓ 23	2	A <sub>0</sub>	
✓ 23	3	A <sub>0</sub>	The foll. of two.
✓ 24	1	A <sub>0</sub>	
✓ 25	2	A <sub>0</sub>	Partly superposed on do.
✓ 26	3	A <sub>0</sub>	
✓ 27	6	A <sub>2</sub>	
✓ 28	2	A <sub>2</sub>	
✓ 29	2	A <sub>2</sub>	
✓ 30	2	A <sub>2</sub>	
✓ 31	2	A <sub>2</sub>	
✓ 32	2	A <sub>2</sub>	
✓ 33	2	A <sub>2</sub>	
✓ 34	9	A <sub>2</sub>	
✓ 35	10+	A <sub>2</sub>	Burned out.
✓ 36	2	A <sub>2</sub>	
✓ 37	4	A <sub>2</sub>	Lines indistinct.
✓ 38	4	A <sub>2</sub>	
✓ 39	1	A <sub>2</sub>	
10. 35	✓ 100	A <sub>2</sub>	
10. 50	✓ 101	A <sub>2</sub>	
	✓ 102	A <sub>2</sub>	
	✓ 103	A <sub>2</sub>	
	✓ 104	A <sub>2</sub>	
	✓ 105	A <sub>2</sub>	
	✓ 106	A <sub>2</sub>	
	✓ 107	A <sub>2</sub>	
	✓ 108	A <sub>2</sub>	Another star partly superposed.

82	-22° 4939	18	51.2	-22	20	9.8	
83	-22° 4944	18	52.6	-22	19	8.9	Star superposed by a star on preceding side - which at well as to the class. It is -22° 4940. Both stars in CPD but only one in GCM.
84	-22° 4945	18	52.8	-22	15	9.8	
85	GCM -22° 4952.5	18	54.1	-22	18	9.7	
	(Approx. pos. 1855)	18	52.9	-22	19		
86	-22° 4947	18	53.0	-22	24	9.5	✓
87	-22° 4950	18	53.2	-22	17	8.5	✓
88	-22° 4951	18	53.6	-22	40	9.3	✓
89	-22° 4948	18	53.1	-22	0	9.5	✓
90	-21° 5223	18	53.5	-21	51	9.3	✓
91	-22° 4959	18	55.2	-22	4	9.4	✓
92	-21° 5280	18	55.4	-21	48	9.5	✓
	-21° 5239	18	54.8	-21	19	9.0	
93	-18° 5196	18	57.1	-18	19	9.0	✓
94	-21° 5233	18	53.7	-21	44	7.0	✓
95	-21° 5237	18	56.0	-21	59	4.2	✓
96	-21° 5235	18	55.9	-21	41	9.0	✓
97	-22° 4968	18	56.6	-22	4	9.2	✓
98	-21° 5251	18	57.8	-21	55	9.1	✓
	GCM -22° 13612	18	54.3	-22	0	9.4	
99	(Approx. pos. 1855)	18	53.7	-22	2		Star in CPD -22° 7240 18 54.3 -22 1 10.0
100	-22° 4975	18	57.9	-22	18	9.1	✓
101	-22° 4958	18	55.0	-22	55	8.5	✓
102	-22° 4960	18	53.5	-22	38	9.5	✓
103	-22° 4961	18	55.5	-22	45	8.7	✓
104	-22° 4963	18	53.5	-22	60	9.5	✓
105	-23° 15008	18	56.7	-23	4	6.9	✓
106	-22° 4964	18	53.9	-22	37	9.5	✓
107	-22° 4967	18	56.5	-22	31	9.5	✓
108	-22° 4969	18	56.9	-22	35	9.5	Star superposed not in GCM. cat.

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B 23765 short dip.

No.	Lat.	Class	Remarks
✓ 109	8	I <sub>2</sub>	
✓ 110	6	I <sub>0</sub>	
✓ 111	2	I <sub>5</sub>	
✓ 112	10	I <sub>0</sub>	
✓ 113	3	I <sub>2</sub>	
✓ 114	3	A <sub>2</sub>	
✓ 115	4	I <sub>5</sub>	
✓ 116	8	I <sub>0</sub>	
✓ 117	3	A <sub>5</sub>	
✓ 118	3	I <sub>3</sub>	
✓ 119	5	A <sub>3</sub>	
✓ 120	10	I <sub>5</sub>	
✓ 121	4	I <sub>5</sub>	
✓ 122	2	A	Partly eclipsed over 123.
✓ 123	3	I <sub>5</sub>	
✓ 124	3	I <sub>5</sub>	
✓ 125	2	I <sub>0</sub>	
✓ 126	1	I <sub>5</sub>	
✓ 127	1	I <sub>5</sub>	
✓ 128	1	I <sub>5</sub>	
✓ 129	2	A <sub>0</sub>	
✓ 130	3	A <sub>0</sub>	
✓ 131	9	A <sub>0</sub>	
✓ 132	1	I <sub>5</sub>	
✓ 133	3	A <sub>2</sub>	
✓ 134	1	I <sub>0</sub>	
✓ 135	1	I <sub>5</sub>	

109	-23° 15031	18	58.5	-23	2	8.7	✓
110	-22° 4972	18	57.6	-22	49	8.5	✓
111	-22° 4976	18	58.1	-22	46	9.4	✓
112	-22° 4977	18	58.3	-22	48	7.2	✓
113	-23° 15049	18	59.3	-23	2	9.4	✓
114	-22° 13615	18	57.5	-22	60	9.6	✓
115	-22° 4980	18	58.5	-22	57	9.0	✓
116	-23° 15043	18	59.0	-23	27	9.4	✓
117	-23° 15066	19	0.1	-23	31	9.8	✓
118	-23° 15069	19	0.3	-23	19	8.8	✓
119	-23° 15075	19	0.6	-23	22	9.1	✓
120	-23° 15088	19	1.2	-23	23	9.1	✓
121	-23° 15092	19	1.3	-23	39	9.1	✓
122	-23° 15101	19	1.7	-23	42	9.7	✓
123	-23° 15102	19	1.8	-23	42	8.4	✓
124	-23° 15093	19	1.4	-23	57	9.3	✓
125	-24° 15064	19	1.9	-24	3	9.7	✓
126	-23° 15105	19	1.9	-23	49	9.6	✓
127	-23° 15113	19	2.5	-23	42	9.8	✓
128	-23° 15118	19	2.8	-23	60	9.7	✓
129	-23° 15120	19	2.9	-23	48	9.6	✓
130	-23° 15126	19	3.3	-23	41	9.6	✓
131	-23° 15106	19	2.0	-23	23	9.9	✓
132	-23° 15111	19	2.3	-23	15	9.3	✓
133	-23° 15117	19	2.7	-23	17	9.1	✓
134	-23° 15125	19	3.3	-23	15	9.7	✓
135	-23° 15062	19	0.0	-23	4	9.3	✓

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B23765 shot deep.

No.	Lat.	Class	Remarks
✓ 136	2	fo	
✓ 137	3	fo	
✓ 138	2	fo	
✓ 139	4	fo	
✓ 140	2	fo	
✓ 141	3	fo	
✓ 142	5	fo	
✓ 143	3	fo	
✓ 144	4	ma	
✓ 145	7	fo	
✓ 146	6	fo	
✓ 147	3	A2	
✓ 148	4	B9	
✓ 149	7	A0	
✓ 150	3	A0	
✓ 151	1	A	
✓ 152	2	fo	
✓ 153	2	fo	
✓ 154	6	fo	
✓ 155	5	A0	
✓ 156	2	A	
✓ 157	7	fo	
✓ 158	3	fo	
✓ 159	2	fo	
✓ 160	6	A0	
✓ 161	7	fo	
✓ 162	2	fo	

Partly surface fired on 161.

136	-22° 49' 81	18	58.5	-22	59	9.4	✓
137	-22° 49' 82	18	58.7	-22	43	9.3	✓
138	-22° 49' 83	18	58.9	-22	28	9.5	✓
139	-22° 49' 85	18	59.3	-22	35	9.1	✓
140	-22° 49' 88	18	59.7	-22	53	9.8	✓
141	-22° 49' 92	19	0.4	-22	49	9.4	✓
142	-22° 49' 92	19	0.5	-22	36	8.6	✓
143	-22° 49' 90	18	0.4	-22	17	9.3	✓
144	-22° 49' 86	18	59.5	-22	1	8.7	✓
145	-21° 52' 61	18	59.3	-21	53	8.5	✓
146	-21° 52' 57	18	58.7	-21	50	8.5	✓
147	-21° 52' 58	18	58.9	-21	41	9.3	✓
148	-21° 52' 56	18	58.6	-21	32	9.1	✓
149	-21° 52' 55	18	58.4	-21	59	8.5	✓
150	-21° 52' 52	18	58.0	-21	54	9.5	✓
151	-21° 52' 51	18	58.9	-21	28	10.0	✓
152	-21° 52' 48	18	57.7	-21	31	9.5	✓
153	-21° 52' 59	18	59.0	-21	18	9.5	✓
154	-21° 52' 60	18	59.1	-21	28	8.2	✓
155	-21° 52' 62	18	59.3	-21	2	9.0	✓
156	-21° 52' 63	18	59.4	-21	55	9.4	✓
157	-21° 52' 66	18	59.9	-21	13	9.8	✓
158	-21° 52' 68	18	0.2	-21	7	9.0	✓
159	-21° 52' 64	18	59.5	-21	28	9.5	✓
160	-21° 52' 67	18	60.0	-21	28	8.7	✓
161	-21° 52' 73	19	1.0	-21	42	8.5	✓
162	-21° 52' 74	19	1.1	-21	39	9.2	✓



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B 23765 short circ.

No.	Int.	Class	Remark
✓ 163	2	J10	
✓ 164	2	J5	
✓ 165	5	J5	
✓ 166	5	J5	
✓ 167	3	J5	
✓ 168	4	J5	
✓ 169	6	J5	
✓ 170	4	B9	
✓ 171	2	J8	
✓ 172	3	A0	
✓ 173	2	A0	
✓ 174	5	J15	
✓ 175	9	J10	
✓ 176	2	A0	
✓ 177	7	J5	
✓ 178	6	B9	
✓ 179	2	J5	
✓ 180	4	A0	
✓ 181	2	J12	
✓ 182	3	J10	
✓ 183	3	J10	
✓ 184	3	A0	
✓ 185	2	J5	
✓ 186	2	A5	
11.00 ✓ 187	2	Ma	
11.17 ✓ 188	2	J5	
✓ 189	2	J10	Partly obscured on 190.

163	-22° 52' 71	19	0.7	-23	23	9.1	✓
164	-20° 54' 12	19	1.1	-20	57	9.3	✓
165	-20° 54' 18	19	1.9	-20	54	8.2	✓
166	-21° 52' 76	19	1.8	-21	32	8.7	✓
167	-21° 52' 79	19	2.0	-21	36	9.2	✓
168	-21° 52' 81	19	2.2	-21	26	9.1	✓
169	-21° 52' 78	19	1.9	-21	54	8.7	✓
170	-22° 50' 00	19	2.5	-22	8	9.2	✓
171	-21° 52' 82	19	2.6	-21	55	9.4	✓
172	-22° 50' 03	19	2.5	-22	14	9.5	✓
173	-22° 50' 04	19	2.2	-22	20	9.8	✓
174	-22° 50' 07	19	3.4	-22	10	8.0	✓
175	-21° 52' 92	19	3.8	-21	54	7.0	✓
176	-21° 52' 97	19	4.0	-21	58	7.2	✓
177	-21° 52' 90	19	3.4	-21	19	8.0	✓
178	-21° 52' 86	19	2.7	-21	20	8.9	✓
179	-20° 54' 27	19	2.7	-20	56	9.3	✓
180	-21° 52' 84	19	2.7	-21	2	9.4	✓
181	-20° 54' 25	19	2.5	-20	47	9.4	✓
182	-20° 54' 14	19	1.1	-20	35	8.5	✓
183	-20° 54' 16	19	1.3	-20	41	8.9	✓
184	-20° 54' 17	19	1.4	-20	35	9.8	✓
185	-20° 53' 93	18	57.8	-20	50	9.3	✓
186	-20° 53' 97	18	58.5	-20	57	10.0	✓
187	-20° 53' 98	18	58.7	-20	44	9.0	✓
188	-20° 52' 00	18	57.3	-20	47	9.5	✓
189	-20° 52' 02	18	57.7	-20	51	9.0	✓

-22°

-22° 50' 02 19 2.5 -22 17 7.5%

Monday, Sept. 30, 1912.

7323765 short disp.

No.	Lat.	Class	Remark
✓ 190	3	A2	
✓ 191	4	F5	
✓ 192	3	F5	
✓ 193	6	F5	
✓ 194	5	F5	
✓ 195	3	A0	
✓ 196	8	A0	
✓ 197	10	F5	
✓ 198	2	A0	
✓ 199	4	A0	
✓ 200	3	F5	
✓ 201	1	F5	
✓ 202	7	F0	
✓ 203	5	F0	
✓ 204	4	A0	
✓ 205	9	B	lots large disp.
✓ 206	2	Ma	
✓ 207	3	F5	
✓ 208	6	F5	
✓ 209	5	A2	
✓ 210	5	F5	Partly subjoined on 211.
✓ 211	2	F5	Too much " on 210.
✓ 212	4	A0	
✓ 213	1	Ma	
✓ 214	3	F5	
✓ 215	3	A2	
✓ 216	5	F5	

190	-20° 5405	18	59.9	-20	30	9.4	
191	-20° 5407	19	0.2	-20	26	8.8	
192	-20° 5410	19	0.5	-20	24	9.0	
193	-20° 5409	19	0.5	-20	14	8.0	
194	-20° 5408	19	0.3	-20	2	8.2	
195	-20° 5411	19	0.9	-20	12	9.6	
196	-20° 5413	19	1.1	-20	16	8.0	
197	-20° 5415	19	1.3	-20	1	6.5	
198	-19° 5326	19	1.6	-19	56	9.5	
199	-19° 5327	19	1.9	-19	54	9.0	
200	-20° 5419	19	2.0	-19	20	9.1	
201	-20° 5421	19	2.2	-20	18	9.5	
202	-20° 5423	19	2.4	-20	13	8.5	
203	-19° 5333	19	2.7	-19	55	9.2	
204	-20° 5426	19	2.6	-20	25	9.4	
205	-20° 5428	19	2.7	-20	35	9.8	
206	-20° 5431	19	3.3	-20	32	9.4	
207	-20° 5433	19	3.4	-20	30	9.0	
208	-20° 5432	19	3.3	-20	37	8.3	
209	-20° 5435	19	3.5	-20	38	9.2	
210	-20° 5429	19	3.1	-20	9	8.9	
211	-20° 5430	19	3.1	-20	13	9.4	
212	-20° 5434	19	3.4	-20	12	8.9	
213	-19° 5338	19	3.4	-19	56	9.3	
214	-19° 5438	19	3.8	-19	10	9.0	
215	-20° 5443	19	4.1	-20	17	9.5	
216	-20° 5441	19	4.1	-20	28	8.5	

Subjoined by a fainter star - preceding which might also be identified as in C.P.S.

Monday, Sept. 30, 1912.

1323765 short circ.

No.	Int.	Class	Remarks
✓ 217	2	h <sub>5</sub>	
✓ 218	4	h <sub>5</sub>	
✓ 219	1	h <sub>5</sub>	
✓ 220	2	h <sub>5</sub>	
✓ 221	3	h <sub>2</sub>	
✓ 222	2	A <sub>2</sub>	
✓ 223	2	h <sub>5</sub>	
✓ 224	2	h <sub>5</sub>	
✓ 225	2	h <sub>5</sub>	
✓ 226	4	h <sub>5</sub>	
✓ 227	3	A <sub>0</sub>	
✓ 228	2	A <sub>2</sub>	
✓ 229	7	h <sub>5</sub>	
✓ 230	2	h <sub>5</sub>	Another star partly obscured by the s. f. of two.
✓ 231	3	A <sub>3</sub>	
✓ 232	2	A <sub>0</sub>	
✓ 233	6	A <sub>2</sub>	
✓ 234	4	h <sub>5</sub>	
✓ 235	2	A	
✓ 236	1	h <sub>5</sub>	
✓ 237	4	h <sub>5</sub>	
✓ 238	5	h <sub>5</sub>	
✓ 239	5	h <sub>5</sub>	Another star partly obscured.
✓ 240	9	h <sub>5</sub>	
✓ 241	7	h <sub>5</sub>	
✓ 242	4	A <sub>0</sub>	
✓ 243	8	A <sub>0</sub>	

217	C.P.D. -20° 7472	19	5.2	-20	32	9.8	✓
218	Approx. 1855 pos.	19	4.0	-20	35		✓
219	-20° 5444	19	4.2	-20	47	9.2	✓
219	-20° 5445	19	4.3	-20	44	9.4	✓
220	-20° 5448	19	4.6	-20	47	7.9	✓
221	-20° 5446	19	4.5	-20	26	8.3	✓
222	-20° 5439	19	3.9	-20	58	7.5	✓
223	-21° 5296	19	4.2	-21	5	7.5	✓
224	-21° 5298	19	4.4	-21	18	7.4	✓
225	-21° 5297	19	4.4	-21	28	7.3	✓
226	-21° 5299	19	4.6	-21	22	7.3	✓
227	-21° 5300	19	4.9	-21	30	7.6	✓
228	C.P.D. -21° 7260	19	6.0	-21	35	7.5	✓
228	Approx. 1855 pos.	19	4.7	-21	36		✓
229	-21° 5301	19	5.4	-21	27	8.8	✓
230	C.P.D. -21° 7263	19	6.6	-21	13	7.6	✓
230	Approx. 1855 pos.	19	5.4	-21	15		✓
231	-20° 5456	19	5.5	-20	58	9.4	✓
232	C.P.D. -21° 7265	19	6.7	-21	3	10.2	✓
232	Approx. 1855 pos.	19	5.2	-21	5		✓
233	-21° 5303	19	6.0	-21	29	7.1	✓
234	-21° 5305	19	6.2	-21	28	7.1	✓
235	-22° 4995	19	1.7	-22	25	7.5	✓
235	Approx. 1855 pos.	19	1.7	-22	43		✓
236	-22° 4994	19	1.6	-22	40	7.6	✓
237	-22° 4998	19	2.3	-22	48	8.8	✓
238	-22° 5001	19	2.4	-22	50	7.1	✓
239	-23° 15145	19	4.7	-23	6	7.3	✓
240	-23° 15152	19	5.0	-23	14	8.3	✓
241	-23° 15160	19	5.4	-23	1	8.6	✓
242	-22° 5008	19	3.5	-22	32	9.5	✓
243	-22° 5011	19	3.9	-22	26	8.6	✓

C.P.D. -21° 7262 19 6.3 -21 11 10.4 5.4 pos.

This is C.D.M. -22° 13070 19 2.9 -22 40 7.5

-23° 15144 19 4.7 -23 2 7.3



Monday, Sept. 30, 1912.

B 23765 short exp.

No.	Int.	Class	Remarks
✓ 244	2	ly	Auricular stars partly superimposed.
✓ 245	3	Co	
✓ 246	7	Co	
✓ 247	10	Co	
✓ 248	2	Co	
✓ 249	2	ly	
✓ 250	2	Co	Partly superimposed on 251.
✓ 251	7	Co	
✓ 252	5	Co	
✓ 253	4	Co	
✓ 254	5	Co	
✓ 255	2	Co	Partly superimposed on 254.
✓ 256	2	Co	
✓ 257	2	Co	
✓ 258	6	Co	
✓ 259	7	Co	
✓ 260	2	Co	
✓ 261	3	Co	
✓ 262	2	ly	
✓ 263	5	Co	
✓ 264	3	Co	
✓ 265	2	Co	
✓ 266	5	Co	
✓ 267	2	ly	
✓ 268	3	Co	
✓ 269	4	ly	
✓ 270	3	Co	

244	-22° 50'12"	19	4.2	-22	14	9.6	Star superimposed not in our cat.
245	-22° 50'17"	19	5.1	-22	10	9.1	✓
246	-22° 50'19"	19	5.2	-22	11	8.8	✓
247	-22° 50'21"	19	5.4	-22	18	7.3	✓
248	CPD -21° 72'67"	19	6.8	-21	60	10.4	✓
	App. max. 1855 pos.	19	5.7	-22	0		✓
249	-22° 50'22"	19	5.6	-22	11	9.3	✓
250	-22° 50'24"	19	5.9	-22	12	9.7	✓
251	-22° 50'25"	19	5.9	-22	19	8.8	✓
252	-22° 50'27"	19	6.2	-22	16	9.2	✓
253	-21° 53'06"	19	6.5	-21	59	9.4	✓
254	-21° 53'04"	19	6.1	-21	53	9.4	✓
	CPD -21° 72'71"	19	7.4	-21	53	9.5	✓
255	App. max. 1855 pos.	19	6.2	-21	54		✓
	CPD -21° 72'68"	19	6.3	-21	46	9.7	✓
256	App. max. 1855 pos.	19	5.6	-21	48		✓
	CPD -21° 72'66"	19	6.8	-21	37	10.2	✓
257	App. max. 1855 pos.	19	5.5	-21	26		✓
258	-22° 50'15"	19	4.9	-22	37	9.0	✓
259	-22° 50'14"	19	4.9	-22	49	8.2	✓
	CPD -22° 13'32"	19	6.4	-22	32	9.7	✓
260	App. max. 1855 pos.	19	5.2	-22	36		✓
261	-22° 50'18"	19	5.2	-22	45	9.1	✓
262	-23° 15'17"	19	5.9	-23	2	9.6	✓
263	-23° 15'19"	19	6.4	-23	9	8.1	✓
264	-23° 15'16"	19	5.6	-23	27	8.5	✓
265	-23° 15'12"	19	5.9	-23	25	10.0	✓
	-23° 15'16"	19	5.9	-23	24	10.0	✓
266	-23° 15'18"	19	6.5	-23	24	9.3	✓
267	-23° 15'18"	19	6.7	-23	33	9.5	✓
268	-23° 15'19"	19	6.8	-23	32	9.4	✓
269	-23° 15'18"	19	6.6	-23	17	8.7	✓
270	-23° 15'18"	19	6.7	-23	8	9.6	✓

See plate - see that plate B 2818.  
 This star is 1 sec. west of center of -23° 15'19".  
 (The 265) CPD cat. agrees with photo graph.  
 Bright entry in dec. of one on both star in  
 CPD cat.

Monday Sept. 30, 1913.

B 237 65 shot out.

No.	Int.	Class	Remark
✓ 271	1	St	
✓ 272	1	St	
✓ 273	3	Ma	
✓ 274	4	Co	Partly super/posed on 275.
✓ 275	4	Co	
✓ 276	3	St	
✓ 277	5	St	
✓ 278	4	St	
✓ 279	6	St	
✓ 280	7	St	
✓ 281	1	St	
✓ 282	5	St	
✓ 283	1	St	
✓ 284	2	St	
✓ 285	4	St	
✓ 286	3	Co	
✓ 287	6	St	
✓ 288	5	St	
✓ 289	2	St	
✓ 290	5.3	St	
✓ 291	5	Co	
✓ 292	6	Co	
✓ 293	3	St	
✓ 294	6	St	
✓ 295	5	St	
✓ 296	8	St	
✓ 297	3	St	

271	-22° 5023	19	5.6	-22	57	9.3	
	-19° 5342	17	4.4	-19	54	9.3	✓
272	-22° 5026	19	5.9	-22	45	9.4	✓
273	-22° 5028	19	6.3	-22	41	8.9	✓
274	-22° 5029	17	7.1	-22	37	9.1	✓
275	-22° 5030	19	7.1	-22	41	9.3	✓
276	-22° 5032	19	7.3	-22	17	9.1	✓
277	-22° 5033	19	7.3	-22	5	8.8	-22° 5034 19 7.3 -22 3 9.6
278	-22° 5034	19	7.9	-22	3	8.8	✓
279	-22° 5040	19	8.5	-22	1	8.3	✓
280	-22° 5039	19	8.3	-22	12	8.5	✓
281	-22° 5036	19	8.2	-22	18	9.4	✓
282	-22° 5038	19	8.3	-22	29	8.8	✓
	corr. -22° 13774	19	9.0	-22	26	9.4	✓
283	Approx. super	19	7.8	-22	29		✓
284	-21° 5307	19	6.8	-21	16	9.2	✓
285	-21° 5308	19	7.1	-21	18	9.4	✓
286	-21° 5310	19	7.2	-21	33	9.5	✓
287	-21° 5312	19	7.4	-21	12	8.6	✓
288	-21° 5315	19	7.7	-21	12	8.8	✓
289	-21° 5317	19	7.8	-21	2	8.5	✓
	5319	19	8.0	-21	11	9.1	✓
290	-21° 5318	19	7.9	-21	36	9.4	✓
291	-21° 5321	19	8.2	-21	2	9.1	✓
292	-20° 5468	19	7.6	-20	42	8.4	✓
293	-20° 5471	19	8.2	-20	45	9.1	✓
294	-20° 5473	19	8.6	-20	48	8.2	✓
295	-20° 5474	19	8.7	-20	57	9.0	✓
296	-21° 5326	19	8.6	-21	19	8.0	✓
297	-21° 5318	19	7.9	-21	36	9.4	✓
	-21° 5318	19	7.4	-21	12	8.6	✓

Monday, Sept 30, 1912.

1323765 short circ.

No.	Int.	Class	Remarks
✓ 298	2	Fo	
✓ 299	5	Fo	
✓ 300	2	Fs	
✓ 301	1	fs	
✓ 302	5	Co	
✓ 303	2	Co	
✓ 304	1	fs	
✓ 305	6	fs	
✓ 306	2	Co	
✓ 307	1	fs	
✓ 308	2	fs	
✓ 309	3	fs	
✓ 310	4	Co	
✓ 311	3	Co	Superfused on 31
✓ 312	2	fs	Superfused on 313.
✓ 313	3	Co	
✓ 314	2	Co	
✓ 315	3	Co	
✓ 316	3	fs	
✓ 317	3	As	
✓ 318	3	Co	
✓ 319	10+	Co	Turned out.
✓ 320	2	Co	
✓ 321	2	Fo	
✓ 322	3	Co	
✓ 323	7	Fs	
✓ 324	7	Co	

298	-21° 53' 22"	19	8.2	-21	42	9.3	
299	-21° 53' 15"	19	7.7	-21	42	8.8	
300	-21° 53' 27"	19	8.6	-21	40	9.5	
301	-23° 14' 50.7"	18	46.3	-23	50	9.7	
302	-23° 14' 51.4"	18	46.9	-23	52	9.1	
303	-23° 14' 53.3"	18	47.7	-23	50	9.6	
304	-23° 14' 58.7"	18	47.7	-23	39	9.5	1 fainter star - south. Superfused - At 22.00 was also star changed - 23° 14' 57"
305	-23° 14' 58.8"	18	48.4	-23	54	8.6	
306	-24° 14' 52.4"	18	47.2	-24	38	9.6	
307	-24° 14' 53.1"	18	47.7	-24	26	9.4	
308	-24° 14' 53.0"	18	47.5	-24	10	9.2	
309	-24° 14' 54.5"	18	48.8	-24	2	9.1	
310	-24° 14' 55.0"	18	49.1	-24	9	8.9	
311	-24° 14' 56.0"	18	49.5	-24	1	9.0	
312	-23° 14' 57.5"	18	49.6	-23	56	8.9	
313	-23° 14' 57.6"	18	49.7	-23	57	9.4	
314	-23° 14' 58.0"	18	49.8	-23	42	9.8	
315	-23° 14' 58.7"	18	50.2	-23	59	9.6	
316	-23° 14' 59.3"	18	50.4	-23	47	9.4	
317	-23° 14' 59.5"	18	50.7	-23	54	9.5	
318	-23° 14' 59.2"	18	51.0	-23	57	9.5	
319	-23° 14' 59.4"	18	48.4	-23	20	8.4	
320	-23° 14' 59.6"	18	48.5	-23	5	9.5	
321	-23° 14' 58.6"	18	48.7	-23	7	9.4	
322	-23° 14' 58.5"	18	48.7	-23	21	9.4	
323	-23° 14' 58.2"	18	49.0	-23	18	9.7	
324	-23° 14' 58.6"	18	49.2	-23	25	8.7	



Thursday, Sept 20, 1912.

B33765 short dips

No.	Int.	Class	Remarks
✓ 325	5	A3	
✓ 326	2	A	Partly superposed on 324.
✓ 327	3	A0	
✓ 328	4	A0	
✓ 329	5	A0	
✓ 330	10	A0	
✓ 331	4	B9	
✓ 332	3	F6	
✓ 333	2	F5	
✓ 334	5	F6	
✓ 335	5	A0	
✓ 336	2	F6	
✓ 337	2	A	
✓ 338	7	F6	
✓ 339	3	A5	
✓ 340	6	F8	
✓ 341	9	A0	
✓ 342	3	F6	
✓ 343	3	F5	
✓ 344	4	F6	
✓ 345	2	F5	
✓ 346	8	F6	
✓ 347	4	F6	
✓ 348	4	A3	
✓ 349	3	F5	
✓ 350	4	F5	
✓ 351	2	A	Partly superposed on 350.

325	-23° 14868	18	49.3	-23	28	9.1	✓
326	-23° 14863	18	49.0	-23	22	9.6	✓
327	-23° 14878	18	49.7	-23	1	9.4	✓
328	-23° 14884	18	50.0	-23	22	9.6	✓
329	-23° 14889	18	50.3	-23	14	5.7	✓
330	-22° 4928	18	49.7	-22	48	7.0	✓
331	-21° 5201	18	49.1	-21	17	6.0	✓
332	-22° 4930	18	49.8	-22	51	7.0	✓
333	-21° 5202	18	49.1	-21	53	8.5	✓
334	-22° 4931	18	50.0	-22	60	7.0	✓
335	-23° 14899	18	50.8	-23	16	9.5	✓
336	-23° 14912	18	51.4	-23	15	8.8	✓
337	-23° 14913	18	51.6	-23	18	9.4	✓
338	-23° 14908	18	51.3	-23	30	7.3	✓
339	-23° 14909	18	51.3	-23	36	7.8	✓
340	-23° 14921	18	51.9	-23	26	8.1	✓
341	-23° 14925	18	52.2	-23	7	9.2	✓
342	-23° 14928	18	52.5	-23	11	8.6	✓
343	-23° 14938	18	53.0	-23	3	8.6	✓
344	-22° 4939	18	50.1	-22	40	7.2	✓
345	-22° 4938	18	50.3	-22	26	7.3	✓
346	-22° 13522	18	53.4	-22	39	9.1	✓
347	-23° 14950	18	53.7	-23	4	9.4	✓
348	-22° 4946	18	52.9	-22	54	6.5	✓
349	-23° 14947	18	53.3	-23	2	9.7	✓
350	-23° 14941	18	53.1	-23	27	9.5	✓
351	-23° 14945	18	53.3	-23	28	8.9	✓
352	-23° 14952	18	53.8	-23	24	8.1	✓
353	-23° 14954	18	53.9	-23	16	9.7	✓

Monday, Sept. 30, 1912.

1323765 shot disp.

No.	Int.	Class	Remark
✓ 352	2	A <sub>0</sub>	
✓ 353	2	F <sub>5</sub>	
✓ 354	7	A <sub>0</sub>	
✓ 355	2	F <sub>5</sub>	
✓ 356	1	F <sub>1</sub>	
✓ 357	2	F <sub>5</sub>	
✓ 358	2	F <sub>5</sub>	
✓ 359	2	A <sub>2</sub>	
✓ 360	3	F <sub>5</sub>	
✓ 361	3	A <sub>0</sub>	
✓ 362	7	F <sub>5</sub>	
✓ 363	2	F <sub>5</sub>	
✓ 364	7	F <sub>5</sub>	
✓ 365	5	F <sub>5</sub>	Other stars partly superposed.
✓ 366	2	F <sub>5</sub>	
✓ 367	8	F <sub>5</sub>	
✓ 368	2	A <sub>0</sub>	
✓ 369	2	A <sub>0</sub>	
✓ 370	1	F <sub>5</sub>	
✓ 371	10	A	
✓ 372	9	F <sub>5</sub> ?	Get long disp.
✓ 373	5	F <sub>5</sub>	
✓ 374	2	F <sub>5</sub>	
✓ 375	10	F <sub>5</sub>	
✓ 376	5	A <sub>0</sub>	
✓ 377	2	F <sub>5</sub>	
✓ 378	10	F <sub>5</sub>	

352	-23° 14949	18	53.7	-23	39	9.4	✓
353	-23° 14965	18	54.2	-23	35	9.6	✓
354	-23° 14971	18	54.7	-23	52	8.5	✓
355	-23° 14977	18	55.0	-23	46	8.9	✓
356	-23° 14981	18	55.1	-23	20	10.0	✓
357	-23° 14988	18	55.5	-23	8	9.6	✓
358	-23° 14998	18	55.9	-23	5	9.5	✓
359	-23° 15001	18	56.1	-23	16	9.9	✓
360	-23° 14994	18	55.8	-23	52	9.4	✓
361	-23° 14999	18	55.9	-23	58	9.5	✓
362	-24° 14970	18	56.2	-24	6	8.2	✓
363	-24° 14964	18	55.9	-24	16	8.8	✓
364	-24° 14948	18	55.1	-24	33	7.8	✓
365	-24° 14928	18	53.9	-24	19	8.6	✓
366	-24° 14908	18	52.7	-24	34	9.0	✓
367	-24° 14904	18	52.3	-24	34	8.3	✓
368	-24° 14891	18	51.4	-24	52	9.4	✓
369	-24° 14875	18	50.4	-24	45	9.1	✓
370	-24° 14877	18	50.6	-24	55	9.0	✓
371	-25° 13574	18	50.7	-25	2	6.7	✓
372	-24° 14816	18	46.7	-24	53	7.5	✓
373	-24° 14820	18	46.9	-24	52	8.5	✓
374	-25° 13540	18	47.9	-25	11	8.1	✓
375	-25° 13614	18	52.7	-25	7	6.6	✓
376	-24° 14916	18	53.3	-24	49	8.9	✓
377	-24° 14938	18	54.5	-24	44	9.7	✓
378	-25° 13655	18	54.8	-25	1	6.1	✓

-24° 14925 7.8, -24° 14930 10.0, -24° 14931 10.0, -24° 14932 7.8 + others superposed.

Another star - placed in superposed - may be -24° 14938 as well as star classified.

Monday Sept. 30, 1912.

B 23765 short circ.

No.	Int.	Class	Remarks
✓ 379	2	ly	
✓ 380	3	sub	
✓ 381	2	As	
✓ 382	1	St	
✓ 383	3	As	
✓ 384	3	St	
✓ 385	2	A	Nearly all super posed on <sup>3</sup> 283 + <sup>3</sup> 386.
✓ 386	3	ly	
✓ 387	2	St	"
✓ 388	5	St	
✓ 389	8	St	
✓ 390	7	St	
✓ 391	8	St	
✓ 392	2	St	
✓ 393	4	As	
✓ 394	2	As	
✓ 395	4	As	
✓ 396	2	St	
✓ 397	7	St	
✓ 398	9	As	
✓ 399	6	St	
✓ 400	10+	A	Turned out.
✓ 401	2	As	
✓ 402	2	St	
✓ 403	4	ly	
✓ 404	3	St	
✓ 405	2	As	

379	-25° 13657	18	55.6	-25	7	9.4	✓
380	-25° 13661	18	55.1	-25	16	8.6	✓
381	-24° 14956	18	55.4	-24	47	9.5	✓
382	-24° 14958	18	55.6	-24	55	9.7	✓
383	-24° 14962	18	55.8	-24	42	9.7	✓
384	-24° 14968	18	56.1	-24	44	9.0	✓
385	-24° 14965	18	55.9	-24	46	9.8	✓
386	-24° 14967	18	55.9	-24	54	9.6	✓
387	-24° 14969	18	56.1	-24	57	9.8	✓
388	-25° 13695	18	57.2	-25	0	8.3	✓
389	-24° 14986	18	57.4	-24	50	8.8	✓
390	-25° 13700	18	57.4	-25	6	8.5	✓
391	-24° 15002	18	58.0	-24	51	9.6	✓
392	-24° 15005	18	58.1	-24	40	9.6	✓
393	-24° 15001	18	58.0	-24	27	9.0	✓
394	-24° 14994	18	57.7	-24	25	9.6	✓
395	-23° 15020	18	57.8	-23	46	9.3	✓
396	-23° 15018	18	57.7	-23	54	9.1	✓
397	-24° 15021	18	59.3	-24	23	8.5	✓
398	-24° 15022	18	59.6	-24	44	8.2	✓
399	-25° 13737	18	59.5	-25	4	8.5	✓
400	-24° 15041	19	0.6	-24	51	6.7	✓
401	-24° 15024	18	59.7	-24	19	9.3	✓
402	-24° 15028	18	59.8	-24	22	9.0	✓
403	-24° 15030	18	59.9	-24	18	9.0	✓
404	-24° 15023	18	59.6	-24	4	9.0	✓
405	-24° 15027	18	59.8	-24	4	9.5	✓



Monday Sept. 30, 1932.

B 3765 shot disp.

✓	No.	Int.	Class	Remarks
✓	406	1	F <sub>5</sub>	
✓	407	2	F <sub>5</sub>	
✓	408	4	Ma	
✓	409	4	F <sub>5</sub>	
✓	410	2	F <sub>5</sub>	
✓	411	3	F <sub>5</sub>	
✓	412	2	F <sub>5</sub>	
✓	413	4	A <sub>0</sub>	
✓	414	2	F <sub>5</sub>	
✓	415	3	A <sub>0</sub>	
✓	416	8	F <sub>5</sub>	
✓	417	4	F <sub>5</sub>	
✓	418	7	A <sub>0</sub>	
✓	419	2	F <sub>5</sub>	
✓	420	10	A <sub>0</sub>	
✓	421	8	B <sub>9</sub>	light a. long disp.
✓	422	3	B <sub>9</sub>	
✓	423	2	G <sub>0</sub>	
✓	424	6	F <sub>5</sub>	
✓	425	2	F <sub>5</sub>	
✓	426	5	B <sub>9</sub>	
✓	427	1	F <sub>5</sub>	
✓	428	2	F <sub>5</sub>	
✓	429	3	A <sub>0</sub>	
✓	430	4.2	F <sub>5</sub>	
✓	431	5	F <sub>5</sub>	
✓	432	8	B <sub>5</sub>	

406	-24° 15035	19	0.3	-24	13	9.5	✓
407	-24° 15049	19	1.0	-24	5	9.5	✓
408	-24° 15050	19	1.1	-24	37	8.5	✓
409	-24° 15060	19	1.7	-24	37	9.3	✓
410	-24° 15061	19	1.8	-24	46	9.4	✓
411	-24° 15075	19	2.3	-24	48	9.3	✓
412	-24° 15071	19	2.2	-24	35	9.4	✓
413	-24° 15070	19	2.2	-24	57	9.6	✓
414	-24° 15072	19	2.2	-24	22	9.0	✓
415	-24° 15079	19	2.6	-24	24	9.4	✓
416	-24° 15084	19	3.4	-24	23	7.8	✓
417	-24° 15093	19	3.9	-24	38	8.9	✓
418	-24° 15111	19	4.8	-24	31	9.0	✓
419	-24° 15117	19	5.0	-24	38	9.2	✓
420	-24° 15119	19	5.1	-24	42	7.8	✓
421	-23° 15141	19	4.5	-23	57	8.5	✓
422	-23° 15147	19	4.7	-23	49	9.2	✓
423	-23° 15157	19	5.2	-23	39	9.4	✓
424	-23° 15161	19	5.5	-23	55	8.7	✓
425	-24° 15113	19	4.9	-24	5	9.2	✓
426	-24° 15110	19	4.8	-24	12	9.2	✓
427	-24° 15090	19	3.9	-24	6	9.4	✓
428	-24° 15129	19	5.6	-24	14	8.8	✓
429	-24° 15138	19	6.4	-24	23	10.0	✓
430	-24° 15147	19	7.0	-24	2	9.0	✓
431	-19° 5287	18	56.6	-19	54	8.6	✓
432	-19° 5292	18	57.4	-19	42	8.0	✓

and -24° 15108 94  
-24° 15109 95 Super-posed.

Monday, Sept. 30, 1913.

B3765 short clips.

No.	Lat.	Class	Remark
✓ 433	1	ly	
✓ 434	3	ly	
✓ 435	4	ly	
✓ 436	5	ly	
✓ 437	1	ly	
✓ 438	2	ly	
✓ 439	4	ly	
✓ 440	6	ly	
✓ 441	3	ly	
✓ 442	2	ly	
✓ 443	2	ly	
✓ 444	2	ly	
✓ 445	3	ly	
✓ 446	1	ly	
✓ 447	8	ly	
✓ 448	4	ly	
✓ 449	8	ly	
✓ 450	2	ly	
✓ 451	8	ly	
✓ 452	4	ly	
✓ 453	8	ly	
✓ 454	4	ly	
✓ 455	2	ly	
✓ 456	3	ly	
✓ 457	5	ly	
✓ 458	3	ly	
✓ 459	7	ly	

Time: 12.15  
Sept. 30, 1913  
Time: 12.34

433	-19° 5291	18	57.3	-19	58	9.6	✓
434	-20° 5892	18	57.4	-20	8	9.4	✓
435	-19° 5293	18	58.0	-19	58	8.7	✓
436	-20° 5395	18	58.4	-20	12	8.3	✓
437	-19° 5299	18	58.5	-19	57	9.8	✓
438	-19° 5302	18	58.7	-19	54	9.2	✓
439	-19° 5304	18	59.1	-19	36	8.8	✓
440	-19° 5309	18	59.7	-19	49	9.0	✓
441	-20° 5404	18	59.8	-20	5	9.1	✓
442	-20° 5406	18	60.0	-20	9	9.8	✓
443	-19° 5313	18	57.7	-19	55	10.0	✓
444	-19° 5316	19	0.7	-19	46	9.5	✓
445	-19° 5320	19	0.4	-19	29	9.3	✓
446	epd -19° 5318	19	1.9	-19	23	9.7	✓
447	apd -19° 5323	19	1.0	-19	38	8.5	✓
448	-19° 5311	18	59.7	-19	8	9.4	✓
449	-19° 5317	19	0.2	-19	10	9.4	✓
450	-19° 5319	19	0.3	-19	2	9.3	✓
451	-18° 5219	17	0.5	-18	53	9.8	✓
452	-18° 5221	17	0.6	-18	33	9.3	✓
453	-18° 5222	19	0.7	-18	43	9.0	✓
454	-18° 5225	19	0.9	-18	41	9.4	✓
455	-18° 5224	19	0.9	-18	34	9.5	✓
456	-18° 5227	19	1.1	-18	07	9.2	✓
457	-18° 5228	19	1.3	-18	54	9.2	✓
458	-19° 5325	19	1.4	-19	1	9.4	✓
459	-19° 5324	19	1.1	-19	12	9.0	✓

-19° 5322 19 1.0 -19 38 9.5 super.

Wednesday, Oct. 2, 1912

13 237 65 alt circ

No.	Lat	Class	Remark
✓ 460	2	A <sub>0</sub>	
✓ 461	2	A	
✓ 462	3	H <sub>0</sub>	
✓ 463	2	G <sub>0</sub>	
✓ 464	5	F <sub>0</sub>	
✓ 465	2	A	
✓ 466	7	F <sub>2</sub>	
✓ 467	3	H <sub>0</sub>	
✓ 468	7	G <sub>0</sub>	
✓ 469	2	F <sub>0</sub>	Another star partly superposed.
✓ 470	7	A <sub>0</sub>	
✓ 471	2	G <sub>0</sub>	
✓ 472	4	A <sub>0</sub>	
✓ 473	3	F <sub>0</sub>	
✓ 474	3	A <sub>2</sub>	
✓ 475	1	H <sub>0</sub>	
✓ 476	2	H <sub>0</sub>	
✓ 477	2	G <sub>0</sub>	
✓ 478	2	H <sub>0</sub>	
✓ 479	1	H <sub>0</sub>	
✓ 480	5	F <sub>0</sub>	
✓ 481	5	F <sub>0</sub>	
✓ 482	2	A <sub>0</sub>	
✓ 483	1	H <sub>0</sub>	
✓ 484	2	A <sub>2</sub>	
✓ 485	9	A <sub>3</sub>	
✓ 486	5	Ma	H & bright = 10. H & bright = 6.

460	CPD -19° 7319	19	2.1	-19	16	9.6	✓
461	CPD -19° 7320	19	2.2	-19	18	9.7	✓
462	CPD -19° 7321	19	2.2	-19	39	9.4	✓
463	-19° 5330	19	2.2	-19	35	9.8	✓
464	-19° 5332	19	2.6	-19	24	9.5	✓
465	-19° 5334	19	2.8	-19	26	10.0	✓
466	-19° 5335	19	2.9	-19	16	9.2	✓
467	-19° 5337	19	3.3	-19	14	9.1	✓
468	-19° 5336	19	3.2	-19	26	8.8	✓
469	-19° 5344	19	4.2	-19	28	8.3	✓
470	-19° 5345	19	4.6	-19	44	8.6	✓
471	-19° 5342	19	4.1	-19	54	9.3	✓
472	-19° 5348	19	5.4	-19	40	9.2	✓
473	-19° 5350	19	5.6	-19	52	9.2	✓
474	-19° 5352	19	5.9	-19	40	9.3	✓
475	-20° 5453	19	5.4	-20	1	9.5	✓
476	-20° 5454	19	5.5	-20	10	9.3	✓
477	-20° 5449	19	4.9	-20	26	9.3	✓
478	-20° 5451	19	5.2	-20	26	9.1	✓
479	-20° 5455	19	5.5	-20	22	9.5	✓
480	-20° 5459	19	6.1	-20	10	9.1	✓
481	-20° 5460	19	6.3	-20	17	9.0	✓
482	-20° 5462	19	6.4	-20	42	9.5	✓
483	-20° 5463	19	6.6	-20	49	9.5	✓
484	-20° 5467	19	7.2	-20	32	9.8	✓
485	-20° 5464	19	6.9	-20	2	9.8	✓
486	-19° 5367	19	8.2	-19	34	Var.	✓



Wednesday, Oct. 2, 1912.

B33765 shot drift.

No.	Int.	Class	Remark
✓ 487	6	To	
✓ 488	2	To	
✓ 489	4	Co	
✓ 490	7	Co	
✓ 491	4	Co	
✓ 492	3	ly	
✓ 493	1	To	
✓ 494	3	To	
✓ 495	4	Co	
✓ 496	3	To	
✓ 497	3	Co	
✓ 498	3	Co	
✓ 499	6	To	
✓ 500	10	To	Burned out
✓ 501	3	To	
✓ 502	3	A	C.
✓ 503	3	A	C.
✓ 504	6	To	
✓ 505	6	To	
✓ 506	2	To	
✓ 507	2	Co	
✓ 508	3	To	
✓ 509	2	Co	
✓ 510	6	Co	
✓ 511	8	Co	Another star, partly obscured
✓ 512	6	To	
✓ 513	6	To	

487	-19° 5353	19 6.3	-19 13	8.7	✓
488	-19° 5307	19 5.4	-19 6	9.7	✓
489	-19° 5349	19 5.5	-19 10	9.5	✓
490	-19° 5346	19 4.9	-19 6	9.0	✓
491	-18° 5249	19 4.2	-18 40	9.2	✓
492	-18° 5242	19 3.3	-18 54	9.3	✓
493	-18° 5239	19 2.9	-18 51	9.4	✓
494	-18° 5245	19 2.5	-18 29	9.3	✓
495	-18° 5244	19 3.4	-18 18	9.1	✓
496	-18° 5240	19 3.1	-18 27	9.1	✓
497	-18° 5238	19 2.8	-18 30	9.0	✓
498	-18° 5232	19 1.7	-18 26	9.5	✓
499	-18° 5211	18 57.2	-18 37	9.1	✓
500	-18° 5206	18 58.7	-18 57	6.5	✓
501	-19° 5293	18 57.5	-19 17	9.1	✓
502	-19° 5184	18 41.4	-19 34	9.2	✓
503	-19° 5192	18 42.1	-19 49	9.5	✓
504	-19° 5195	18 42.6	-19 47	8.4	✓
505	-19° 5198	18 42.9	-19 48	8.4	✓
506	-20° 5287	18 42.5	-20 19	9.1	✓
507	CPR -20° 5232	18 44.1	-20 13	9.4	✓
507	Approx 1855	18 43.0	-20 14		✓
508	-20° 5291	18 42.9	-20 36	9.2	✓
509	-20° 5294	18 43.1	-20 22	9.4	✓
510	-20° 5399	18 43.5	-20 14	8.8	✓
511	-20° 5302	18 43.7	-20 22	8.5	✓
512	-20° 5301	18 43.7	-20 29	8.7	✓
513	-20° 5304	18 43.9	-20 28	8.7	✓

Wednesday, Oct. 2, 1912.

B 23765 short dip.

No.	Lat.	Class	Remark
✓ 514	8	B <sub>8</sub>	
✓ 515	2	As	
✓ 516	8	B <sub>8</sub>	
✓ 517	3	As	
✓ 518	7	B <sub>8</sub>	
✓ 519	6	As	
✓ 520	6	B <sub>9</sub>	
✓ 521	7	As	
✓ 522	5	F <sub>0</sub>	
✓ 523	3	F <sub>0</sub>	
✓ 524	3	H	Partly superposed on 525.
✓ 525	8	H <sub>0</sub>	
✓ 526	5	As	
✓ 527	3	As	A group of stars of class As. Cannot separate.
✓ 528	8	B <sub>8</sub>	
✓ 529	8	B <sub>8</sub>	
✓ 530	4	B <sub>8</sub>	
✓ 531	4	As	
✓ 532	3	As	
✓ 533	2	As	
✓ 534	1	As	
✓ 535	5	As	
✓ 536	8	As	
✓ 537	8	As	
✓ 538	1	H <sub>0</sub>	
✓ 539	7	B <sub>9</sub>	
✓ 540	4	As	

514	-20° 5308	18	44.1 -20	24	8.5	{ photo - O.M. Vane given in O.M. Two spots in C.P.D. - 20 5273 & 4 -20 5277 & 2 Very close - Both class field?
515	C.P.D. -20° 5267 (1) p. 1085	18	45.2 -20	20	9.2	
516	-20° 5306	18	43.9 -20	9	8.3	✓
517	-20° 5309	18	44.2 -20	5	9.3	✓
518	-19° 5201	18	44.4 -19	50	8.7	✓
519	+19° 5204	18	44.7 -19	58	8.8	✓
520	+19° 5206	18	44.9 -19	53	9.2	{ photo - star superposed on facing way side - 2 stars need no star class field - 19° 5206
521	-19° 5209	18	45.1 -19	38	8.8	✓
522	-19° 5214	18	45.3 -19	51	9.3	✓
523	-19° 5208	18	45.1 -19	51	9.2	✓
524	-19° 5212	18	45.3 -19	54	9.3	{ 19° 5212 & 7.5 X also star south superposed
525	-19° 5211	18	45.2 -19	58	7.8	✓
526	-20° 5317	18	45.3 -20	8	8.9	✓
527	C.P.D. -20° 5304	18	46.5 -20	19	9.1	✓
528	-20° 5321	18	45.7 -20	7	8.3	✓
529	-20° 5322	18	45.9 -20	6	9.2	-20° 5323 18 45.9 -20 7 9.3 <sup>50</sup> per.
530	-20° 5326	18	46.2 -20	2	9.0	-20° 5327 18 46.2 -20 4 9.4 <sup>50</sup> per.
531	-19° 5220	18	46.2 -19	50	9.1	✓
532	-19° 5208	18	45.8 -19	47	9.4	✓
533	-19° 5207	18	45.8 -19	35	9.5	✓
534	-19° 5206	18	45.6 -19	30	9.4	✓
535	-19° 5213	18	45.4 -19	45	9.1	✓
536	-19° 5202	18	44.4 -19	17	8.3	✓
537	-18° 5119	18	44.8 -18	58	8.7	✓
538	-18° 5115	18	44.6 -18	48	9.2	✓
539	-19° 5226	18	46.8 -19	9	9.0	✓
540	-19° 5225	18	46.8 -19	29	9.3	✓

Wednesday, Oct. 2, 1930.

B 23765 short circ.

hr.	Int.	Class	Remark
✓ 541	4	Ac	
✓ 542	5	Ac	
✓ 543	2	ly	
✓ 544	5	B <sub>g</sub>	
✓ 545	7	fo	
✓ 546	2	ly	
✓ 547	2	fo	
✓ 548	3	Ac	
✓ 549	3	Ac	
✓ 550	4	Ac	Focus poor.
✓ 551	7	fo	
✓ 552	9	ly	
✓ 553	6	Ac	Partly superposed on 552
✓ 554	3	Ac	" " " " 553.
✓ 555	10+	B	
✓ 556	2	fo	
✓ 557	2	fo	
✓ 558	4	Ac	
✓ 559	2	Ac	
✓ 560	3	Ac	
✓ 561	4	fo	
✓ 562	8	B <sub>g</sub>	
✓ 563	2	Ac	
✓ 564	4	fo	
✓ 565	10	ly	
✓ 566	2	Ac	Another star partly superimposed.
✓ 567	1	fo	

541	-19° 52'24"	18	46.7	-19	38	9.5	✓
542	-19° 52'27"	18	46.9	-19	42	9.2	✓
543	-19° 52'28"	18	47.0	-19	45	9.3	✓
544	-19° 52'23"	18	46.7	-19	52	9.4	✓
545	-19° 52'22"	18	46.5	-19	49	8.2	✓
546	-20° 53'30"	18	46.7	-20	13	9.3	✓
547	-19° 52'31"	18	47.2	-19	24	9.4	✓
548	-19° 52'32"	18	47.4	-19	12	9.3	✓
549	-19° 52'29"	18	47.0	-19	8	9.5	✓
550	-18° 51'31"	18	47.2	-18	34	9.2	✓
551	-18° 51'32"	18	47.3	-18	42	8.5	✓
552	-18° 51'34"	18	47.7	-18	53	9.3	✓
553	-18° 51'36"	18	47.8	-18	55	9.0	✓
554	-18° 51'37"	18	47.9	-18	58	9.3	✓
555	-19° 52'42"	18	49.1	-19	20	9.0	✓
556	-19° 52'39"	18	48.5	-19	36	9.3	✓
557	-19° 52'40"	18	48.8	-19	38	9.5	✓
558	-18° 51'42"	18	49.1	-18	36	9.2	✓
559	-18° 51'45"	18	49.8	-18	30	9.3	✓
560	-18° 51'47"	18	49.9	-18	8	9.0	✓
561	-18° 51'53"	18	50.4	-18	8	9.0	✓
562	-18° 51'56"	18	51.0	-18	4	8.0	✓
563	-18° 51'54"	18	50.9	-18	30	9.3	✓
564	-18° 51'57"	18	51.3	-18	38	8.5	✓
565	-18° 51'55"	18	51.0	-18	46	9.0	✓
566	-18° 51'32"	18	50.3	-18	34	9.7	✓
567	-18° 51'61"	18	51.7	-18	50	9.5	✓

-18° 51'46" 18 49.9 -18 26 9.5 super.

-18° 51'51" 18 50.2 -18 33 9.6 super.



Wednesday, Oct 2, 1912.

1323765 short circ.

No.	Int.	Class	Remarks
✓ 568	4	Fz	
✓ 569	4	As	
✓ 570	8	Fz	
✓ 571	2	As	
✓ 572	2	As	
✓ 573	2	Fz	
✓ 574	8	Fz	
✓ 575	5	Fz	
✓ 576	3	Fz	
✓ 577	2	Fz	
✓ 578	2	Fz	
✓ 579	4	Fz	
✓ 580	2	As	
✓ 581	5	As	
✓ 582	2	Bz	
583	1	Fz	
✓ 584	3	As	
✓ 585	1	Fz	
✓ 586	7	Bz	
✓ 587	8	As	
✓ 588	6	As	
✓ 589	2	Fz	
✓ 590	7	Bz	Another star, independent.
✓ 591	2	Fz	
✓ 592	3	Fz	
✓ 593	2	Fz	
✓ 594	2	Fz	

568	-18° 57.62	18	57.8	-18	8	8.8	✓
569	-17° 54.06	18	57.8	-17	47	9.2	✓
570	-17° 54.09	18	52.0	-17	41	7.8	✓
571	-17° 54.08	18	52.0	-17	54	9.5	✓
572	-18° 51.65	18	52.0	-18	18	9.7	✓
573	-18° 51.59	18	51.6	-18	24	9.3	✓
574	-17° 54.19	18	53.4	-17	33	8.0	✓
575	-18° 51.74	18	53.7	-18	45	9.0	✓
576	-18° 51.73	18	53.7	-18	35	9.0	✓
577	-19° 52.76	18	56.6	-19	7	9.2	✓
578	-18° 51.84	18	53.0	-18	53	9.1	✓
579	-19° 52.81	18	55.0	-19	0	8.5	✓
580	-18° 51.82	18	54.9	-18	32	9.5	✓
581	-18° 51.83	18	53.0	-18	16	9.0	✓
582	-18° 51.81	18	54.8	-18	9	9.3	✓
Not found in plate 583							
584	-18° 51.75	18	54.0	-18	19	9.0	✓
585	-18° 51.80	18	54.6	-18	25	9.2	✓
586	-17° 54.46	18	55.7	-17	58	8.3	✓
587	-18° 51.93	18	56.3	-18	1	8.3	✓
588	-17° 54.31	18	54.4	-17	12	8.9	✓
589	-18° 51.95	18	56.8	-18	30	9.0	✓
590	-18° 51.91	18	56.3	-18	53	8.5	✓
591	-18° 51.94	18	56.6	-18	58	9.3	✓
592	-18° 52.01	18	57.6	-18	23	9.0	✓
593	-18° 51.96	18	57.1	-18	19	9.0	✓
594	-18° 51.99	18	57.2	-18	14	9.3	✓

Wednesday, Oct. 2, 1912

B23765 short disp.

No.	Int.	Class	Remarks
✓ 595	2	A <sub>0</sub>	
✓ 596	4	A <sub>2</sub>	
✓ 597	6	A <sub>0</sub>	
✓ 598	2	F <sub>15</sub>	
✓ 599	4	B <sub>3</sub>	
✓ 600	3	A	Partly superposed on 599.
✓ 601	3	F <sub>15</sub>	
✓ 602	6	F <sub>10</sub>	
✓ 603	3	mt	
✓ 604	2	A <sub>0</sub>	
Lines: 1.62	605	2	ly

606 A 2

607 A

608 5

609 3

A<sub>2</sub> Another star disp. at N.B<sub>5</sub>

595 -18° 5200 18 57.4 -18 5 9.8 ✓

596 -18° 5204 18 58.4 -18 7 9.0 ✓

597 -18° 5208 18 58.8 -18 5 9.0 ✓

598 -17° 5280 18 59.0 -17 51 9.5 ✓

599 -17° 5288 18 59.4 -17 43 9.1 ✓

600 -17° 5285 18 59.6 -17 40 9.4 ✓

601 -17° 5287 18 59.6 -17 53 9.1 ✓

602 -17° 5293 19 0.5 -17 45 8.1 ✓

603 -17° 5501 19 1.7 -17 44 8.5 ✓

604 -17° 5498 19 1.5 -17 57 9.5 ✓

605 -18° 5329 19 1.4 -18 8 9.1 ✓

Identified here Aug. 25, 1915. *Low*

Identification compared by B.R.B. August 30, 1915

862862 ~ 132 Feet

✓ 606 -22 7202

✓ 607 -22 7203

608 -24° 14854 18 49.3 -24 31 9.0 ✓

609 -24° 14839 18 48.4 -24 56 9.0 ✓





