1913phae.proj.2150C

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1913phae.proj.21500

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1913phae.proj.2150C

Tuesday, April 15, 1913.

B24746 short disp.

Time: 10.20

No.	Int.	Class	Remark
1	3	A2	
2	1	K5	
3	2	A0	
4	4	G0	
5	1	K	
6	2	A3	
7	4	K2	
8	2	F8	
9	2	A2	
10	4	B9	
11	5	A0	
12	1	A	Nearly all superposed on 13.
13	4	A3	
14	3	A5	
15	4	K5	
16	2	F5	
17	4	A0	
18	2	A	Partly superposed on 19.
19	2	G	
20	1	A0	
21	2	F5	
22	2	A0	
Time 10.26 23	1	K5	
24			
25			
26			
27			

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1913phae.proj.21506

1	−8°	1546	6	39.1	−8	30.1	9.5 ✓
2	−8°	1545	6	38.9	−8	53.2	9.5 ✓
3	Approx	1855	6	38.4	−8	55	✓
4	−8°	1536	6	36.9	−8	54.7	8.9 ✓
5	−9°	1626	6	37.4	−9	7.6	9.6 ✓
6	−9°	1622	6	37.0	−9	7.3	10 ✓
7	−9°	1624	6	37.1	−9	20.2	8.8 ✓
8	−9°	1630	6	37.9	−9	30.9	9.1 ✓
9	Approx	1855	6	36.6	−9	9	✓
10	−9°	1619	6	36.8	−9	17.0	9.1 ✓
11	−9°	1617	6	36.6	−9	22.5	9.1 ✓
12	−8°	1532	6	36.2	−8	21.0	9.5 ✓
13	−8°	1531	6	36.1	−8	22.2	9.4 ✓
14	−8°	1528	6	35.6	−8	26.0	9.3 ✓
15	−8°	1529	6	35.7	−8	30.5	9.1 ✓
16	−8°	1526	6	35.3	−8	25.3	9.2 ✓
17	−8°	1525	6	35.0	−8	29.7	9.3 ✓
18	−8°	1521	6	34.7	−8	23.7	9.3 ✓
19	−8°	1522	6	34.9	−8	28.4	9.4 ✓
20	Approx	1855	6	34.3	−8	38	✓
21	−8°	~~1517~~ 1507	6	31.9	−8	55.0	9.1 ✓
22	−10°	1683	6	39.3	−10	8.8	9.1 ✓
23	−8°	1538	6	37.1	−8	16.7	9.0 ✓

Identified by amc. June 25, 1913
Checked by J.C.M. Oct. 20, 1913
Cards made out by C.R.B.
Cards checked by amc.

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1913phae.proj.2150C

Wednesday, April 16, 1913.

Time: 10,55 B 4008 0 short disp.

No.	Int.	Class	Remark
1	5	A2	
2	3	B8	
3	2	K5	
4	2	A0	
5	2	A0	
6	1	A0	
7	2	K2	Nearly all superposed on 8.
8	6	K0	
9	4	K0	
10	2	A0	
11	5	B9	
12	5	G5	
13	2	A2	Partly superposed on 14.
14	4	A0	
15	8	A2	
16	8	B3	
17	3	F0	
18	2	K0	
19	6	B8	
20	3	G5	The following of two.
21	4	B9	
22	5	A0	
23	1	F5	
24	5	F0	
25	6	F8	
26	5	Ma	
27	3	K5	

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1913phae.proj.2150C

1	-30°	5402	7		55.3	-30	51.6	8.1
2	-30°	5403 5405	7		55.3 4	-30	38.4 36.4	8.9 8.19
3	-30°	5417	7		55.8	-30	43.7	8.2
4	-30°	5401	7		55.3	-30	26.1	9.1
5	-30°	5399	7		55.3	-30	20.5	9.1
6	-30°	5410	7		55.5	-30	12.7	9.4
7	-30°	5453	7		56.6	-30	14.6	7.9
8	-30°	5454	7		56.6	-30	16.3	8.1
9	-30°	5482	7		57.4	-30	3.7	8.3
10	-29°	5433	7		58.5	-29	54.2	9.2
11	-30°	5541	7		59.0	-30	9.5	8.9
12	-30°	5525	7		58.4	-30	22.9	8.1
13	-30°	5431	7		56.1	-30	39.4	9.7
14	-30°	5433	7		56.2	-30	42.8	9.1
15	-30°	5470	7		57.1	-30	47.1	7.8
16	-30°	5500	7		57.9	-30	51.8	7.8
17	-31°	5409	7		57.2	-31	5.1	8.9
18	-31°	5426	7		57.7	-31	32.8	8.8
19	-31°	5452	7		58.6	-31	20.3	8.1
20	-31°	5467	7		59.0	-31	11.3	8.8
21	-31°	5479	7		59.3	-31	3.0	8.9
22	-30°	5560	7		59.5	-30	57.8	8.6
23	-30°	5537	7		58.9	-30	37.2	9.1
24	-30°	5604	8		0.5	-30	26.3	8.0
25	-29°	5509	8		0.6	-29	59.4	8.0
26	-29°	5474	8		59.6	-29	36.9	7.4
27	-29°	5488	8		0.0	-29	35.4	8.2

cards made out

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1913phae.proj.2150C

Wednesday, April 16, 1913.
B 4 0080 short disp.

No.	Int.	Class	Remark
28	5	A2	
29	4	B9	
30	7	A0	
31	3	A2	
32	1	A2	
33	7	K0	
34	2	K0	
35	1	F8	
36	2	A0	
37	1	A0	
38	1	K5	
39	5	K5	
40	7	F2	
41	2	A3	
42	2	A0	
43	4	F2	
44	3	K0	Partly superposed on 43.
45	2	A0	
46	2	A2	
47	7	A0	
48	4	A0	
49	8	B8	
50	2	K2	
51	1	A0	
52	1	K5	
53	1	A2	
54	1	A	

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1913phae.proj.2150C

28	−29°	5492	8	0.1	−29	43.3	8.5	✓
29	−29°	5507	8	0.6	−29	38.3	9.1	✓
30	−29°	5510	8	0.6	−29	38.3	8.7	✓
31	−29°	5504	8	0.5	−29	18.8	8.8	✓
32	−29°	5538	8	1.4	−29	3.3	9.9	✓
33	−29°	5535	8	1.9	−29	2.0	7.3	✓
34	−29°	5559	8	2.0	−29	32.1	8.8	✓
35	−29°	5565	8	2.2	−29	39.3	9.1	✓
36	−29°	5581	8	2.8	−29	20.4	9.1	✓
37	−29°	5587	8	3.0	−29	34.4	9.5	✓
38	−29°	5600	8	3.4	−29	30.8	9.1	✓
39	−29°	5619	8	4.1	−29	30.4	7.8	✓
40	−29°	5620	8	4.1	−29	57.4	7.0	✓
41	−29°	5625	8	4.2	−29	56.9	9.7	✓
42	−30°	5707	8	3.7	−30	13.9	9.3	✓
43	−30°	5695	8	3.1	−30	26.0	8.5	✓
44	−30°	5696	8	3.2	−30	25.0	8.4	✓
45	−30°	5699	8	3.3	−30	13.9	9.5	✓
46	−30°	5701	8	3.3	−30	23.1	9.7	✓
47	−30°	5704	8	3.4	−30	42.9	8.0	✓
48	−30°	5706	8	3.6	−30	35.3	8.7	✓
49	−30°	5645	8	1.8	−30	48.5	8.0	✓
50	−30°	5636	8	1.5	−30	27.3	8.7	✓
51	−30°	5641	8	1.7	−30	28.1	9.4	✓
52	−30°	5646	8	1.8	−30	1.9	9.3	✓
53	−29°	5544	8	1.5	−29	55.0	9.6	✓
54	−30°	5662	8	2.1	−30	47.0	9.6	✓

This star is certainly S of 40. C.P.D gives more accurate pos.

Cards made out

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1913phae.proj.2150C

Wednesday, April 16, 1913.

B 4080 short disp.

No.	Int.	Class	Remark
55	3	A2	
56	2	A0	
57	6	B9	
58	2	A0	Partly superposed on 57.
59	3	A2	
60	4	K5	
61	2	K	
62	3	A0	
63	7	K5	
64	3	A	Another star superposed.
65	1	A0	
66	6	A0	
67	3	A2	The following of two.
68	4	A0	
69	1	A2	
70	6	A0	
71	3	A0	
72	2	B9	
73	1	B9	
74	5	F5	
75	7	B9	
76	7	B8	
77	1	A5	
78	3	K0	
79	7	B5	
80	2	A3	
81	1	F0	

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1913phae.proj.2150C

55	-30°	5605	8	0.7	-30	59.4	9.0	√
56	-31°	5564	8	3.0	-31	0.0	9.0	√
57	-31°	5566	8	3.0	-31	5.4	8.3	√
58	-31°	5567	8	3.1	-31	10.0	9.1	√
59	-31°	5563	8	3.0	-31	19.5	8.9	√
60	-31°	5555	8	2.5	-31	38.8	8.5	√
61	-31°	5558	8	2.7	-31	49.1	8.9	√
62	-31°	5565	8	3.0	-31	44.0	8.7	√
63	-31°	5592	8	4.2	-31	16.9	7.3	√
64	-31°	5585	8	4.1	-31	9.7	9.1	√
65	-30°	5728	8	4.3	-30	47.4	9.6	√
66	-30°	5739	8	4.5	-30	42.9	8.3	√
67	-30°	5746	8	4.7	-30	52.5	9.1	√
68	-30°	5760	8	5.0	-30	48.4	9.3	√
69	-30°	5762	8	5.1	-30	32.0	9.6	√
70	-30°	5779	8	5.6	-30	32.2	8.7	√
71	-30°	5776	8	5.5	-30	14.3	9.3	√
72	-30°	5747	8	4.7	-30	9.6	9.6	√
73	-30°	5758	8	5.0	-30	6.4	9.4	√
74	-29°	5664	8	5.4	-29	52.0	8.2	√
75	-29°	5663	8	5.3	-29	39.5	8.0	√
76	-29°	5674	8	5.7	-29	46.6	7.9	√
77	-29°	5681	8	6.0	-29	56.7	9.3	√
78	-29°	5710	8	6.8	-29	56.9	8.5	√
79	-29°	5713	8	6.9	-29	50.0	7.6	√
80	-29°	5708	8	6.7	-29	32.8	9.0	√
81	-29°	5699	8	6.5	-29	30.1	9.4	√

Cards made out

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1913phae.proj.2150C

Wednesday, April 16, 1913.

B 40080 short disp.

No.	Int.	Class	Remarks
82	1	F	
83	3	A0	
84	2	A0	
85	3	A3	
86	2	A2	
87	4	A0	
88	2	A2	
89	1	A2	
90	2	F5	
91	2	B8	
92	1	A	
93	2	B8	
94	2	K5	
95	3	B8	
96	1	A0	
97	2	A0	
98	1	K0	
99	4	A0	
100	7	B3	
101	2	A0	
102	3	A2	
103	6	A2	
104	1	A	Partly superposed on 103.
105	1	K0	
106	2	A3	
107	2	K5	
108	3	B8	Another star superposed on pr. edge.

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1913phae.proj.2150C

82	-29°	5696	8	6.4	-29	39.3	9.2
83	-29°	5679	8	6.0	-29	18.5	8.8
84	-29°	5673	8	5.7	-29	7.6	9.2
85	-29°	5665	8	5.4	-29	4.6	9.1
86	-28°	5576	8	5.3	-28	59.0	9.6
87	-28°	5553	8	4.6	-28	55.8	9.1
88	-28°	5571	8	5.1	-28	40.6	9.3
89	-28°	5549	8	4.4	-28	46.6	9.4
90	-28°	5525	8	3.9	-28	52.5	9.1
91	-29°	5622	8	4.1	-29	18.3	9.4
92	-29°	5596	8	3.3	-29	3.6	9.6
93	-28°	5479	8	2.4	-28	19.8	9.3
94	-27°	5038	8	2.6	-27	58.0	7.9
95	-28°	5508	8	3.4	-28	8.3	9.4
96	-27°	5080	8	4.0	-27	50.5	9.1
97	-27°	5097	8	5.0	-27	27.1	9.5
98	-27°	5101	8	5.2	-27	24.5	8.5
99	-27°	5111	8	5.6	-27	29.5	9.0
100	-27°	5130	8	6.7	-27	9.2	8.1
101	-27°	5140	8	7.1	-27	30.0	9.3
102	-27°	5157	8	7.9	-27	20.5	9.4
103	-27°	5163	8	8.1	-27	28.5	8.1
104	-27°	5165	8	8.1	-27	20.5	9.7
105	-27°	5162	8	8.0	-27	9.0	9.2
106	-26°	5708	8	8.2	-26	57.5	9.4
107	-27°	5172	8	8.6	-27	9.1	8.4
108	-27°	5179	8	8.9	-27	22.0	9.3

Cards made out

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1913phae.proj.2150C

Wednesday, April 16, 1913.
B 40080 short disp.

No.	Int.	Class	Remark
109	2	Ao	
110	5	B8	
111	3	g5	
112	2	Ao	
113	4	B9	
114	2	K0	
115	1	A	
116	6	Ao	
117	2	F8	
118	1	g5	The n. f. of two
119	4	Ao	
120	3	Ao	
121	2	A2	The n. f. of two. Third star superposed at south.
122	1	A	Nearly all superposed on 121.
123	4	B9	
124	2	A	Partly superposed on 125.
125	5	Ao	
126	4	Ao	
127	1	g5	
128	4	K0	
129	2	Ao	
130	1	A	
131	5	K0	
132	2	B9	
133	1	K5	
134	2	F2	
135	10	B5	

11.16
April 17.1913.
9.40

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1913phae.proj.2150C

				9.1		13.1	9.1		
109	-27°	5172	8	~~8.6~~	-27	~~9.1~~	~~8.4~~	✓	
110	-27°	5192	8	9.4	-27	23.0	8.2	✓	
111	-27°	5190	8	9.3	-27	2.5	8.2	✓	
112	-27°	5197	8	9.6	-27	6.0	9.4	✓	
113	-27°	5216	8	10.3	-27	14.8	8.4	✓	
114	-27°	5183	8	9.0	-27	39.6	8.5	✓	
115	-27°	5191	8	9.4	-27	38.9	9.6	✓	
116	-28°	5699	8	9.9	-28	4.5	8.0	✓	
117	-27°	5214	8	10.1	-27	50.0	9.5	✓	
118	-28°	5709	8	10.1	-28	18.2	9.3	✓	
119	-28°	5700	8	9.9	-28	41.2	8.7	✓	
120	-28°	5723	8	10.6	-28	46.9	9.1	✓	
121	-28°	5720	8	10.6	-28	21.3	9.4		
122	-28°	5721	8	10.6	-28	15.2	9.6	Partly superposed on 1201.	
123	-28°	5727	8	10.8	-28	11.3	9.3	✓	
124	-28°	5730	8	10.9	-28	27.9	9.4	✓	
125	-28°	5733	~~10~~ 8	~~5679~~ 10.9	-28	24.2	8.3	✓	
126	-28°	5747	~~10~~ 8	11.4	-28	3.5	8.5	✓	
127	-27°	5245	8	11.4	-27	42.2	9.2	✓	
128	-27°	5248	8	11.6	-27	29.0	8.3	✓	
129	-27°	5252	8	11.7	-27	28.0	9.7	✓	
130	-28°	5756	8	11.7	-28	38.9	9.6	✓	
131	-28°	5775	8	12.3	-28	44.5	8.0	✓	
132	-29°	5859	8	11.5	-29	8.2	9.4	✓	
133	-28°	5762	8	11.9	-28	59.1	8.8	✓	
134	-29°	5884	8	12.5	-29	14.0	9.7	✓	
135	-29°	5887	8	12.6	-29	18.4	7.3	✓	

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1913phae.proj.2150C

Thursday April 17, 1913.

13 45080 stmt disp.

No.	Int.	Class	Remark
136	2	A2	
137	4	B9	
138	5	B8	
139	8	K0	
140	2	A2	
141	7	B9	
142	1	K5	
143	3	K0	
144	6	B5	
145	3	B8	
146	4	B8	
147	3	K2	
148	2	A0	
149	4	A2	
150	3	Ma	
151	9	B9	
152	3	B9	
153	5	B9	
154	8	K0	
155	3	A0	
156	3	B8	
157	8	B9	
158	6	A5	
159	1	K5	
160	6	G5	
161	5	F5	
162	2	A3	

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1913phae.proj.2150C

136	-29°	5890	8	12.7	-29	28.4	9.4	✓
137	-29°	5898	8	12.7	-29	13.3	9.4	✓
138	-29°	5905	8	13.2	-29	10.9	9.0	✓
139	-29°	5897	8	12.9	-29	37.2	7.0	✓
140	-29°	5895	8	12.9	-29	45.9	9.2	✓
141	-30°	6001	8	12.9	-30	3.9	8.3	✓
142	-29°	5904	8	13.1	-29	56.6	8.5	✓
143	-29°	5936	8	13.9	-29	45.6	8.6	✓
144	-29°	5957	8	14.6	-29	47.2	8.0	✓
145	-29°	5928	8	13.8	-29	21.0	8.8	✓
146	-29°	5933	8	13.9	-29	21.7	8.8	✓
147	-29°	5927	8	13.8	-29	6.6	8.3	✓
148	-28°	5803	8	13.4	-28	57.0	9.0	✓
149	-28°	5809	8	13.6	-28	33.5	8.6	✓
150	-28°	5857	8	14.8	-28	57.3	8.0	✓
151	-29°	5976	8	15.2	-29	8.9	7.6	✓
152	-28°	5901	8	16.3	-28	54.3	9.1	✓
153	-29°	6022	8	16.9	-29	10.5	9.0	✓
154	-29°	6041	8	17.4	-29	17.7	7.2	✓
155	-29°	6052	8	17.8	-29	37.2	9.0	✓
156	-29°	6070	8	18.3	-29	53.3	8.6	✓
157	-29°	6079	8	18.6	-29	58.9	7.5	✓
158	-29°	6089	8	18.9	-29	27.3	8.2	✓
159	-29°	6093	8	19.1	-29	26.7	8.5	✓
160	-28°	5917	8	17.0	-28	13.6	7.7	✓
161	-28°	5931	8	17.4	-28	34.2	8.0	✓
162	-28°	5924	8	17.1	-28	2.7	9.7	✓

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1913phae.proj.2150C

Thursday April 17, 1913.

B40080 short disp.

No.	Int.	Class	Remark.
163	2	F2	
164	2	F0	
165	2	F2	
166	9	G0	
167	3	B9	
168	4	A3	
169	3	A0	
170	1	A	
171	2	A3	
172	4	A0	
173	2	B9	
174	3	A0	
175	9	A0	
176	2	A-	Another star of same class superposed.
177	2	A2	
178	2	A0	
179	5	F0	
180	2	A0	
181	1	A0	
182	2	B9	
183	1	A2	
184	2	A0	
185	3	A3	
186	1	G5	
187	1	G	Fuzzy superposed on 188.
188	1	A	" " " 187.
189	1	K0	

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163	-28°	5929	8	17.4	-28	4.1	9.6	✓
164	-27°	5385	8	17.4	-27	36.9	9.1	✓
165	-27°	5389	8	17.5	-27	34.4	8.7	✓
166	-27°	5409	8	18.3	-27	25.4	7.2	✓
167	-27°	5411	8	18.4	-27	15.0	9.3	✓
168	-27°	5428	8	19.3	-27	14.3	9.1	✓
169	-27°	5429	8	19.4	-27	25.8	9.0	✓
170	-27°	5434	8	19.6	-27	39.4	9.7	✓
171	-27°	5447	8	20.1	-27	36.3	8.5	✓
172	-28°	5995	8	19.9	-28	9.5	9.1	✓
173	-28°	5971	8	19.0	-28	4.4	9.0	✓
174	-28°	5968	8	19.0	-28	15.6	9.3	✓
175	-28°	5961	8	18.7	-28	33.8	6.8	✓
176	-28°	5958	8	18.6	-28	16.8	9.6	✓
177	-28°	5947	8	18.2	-28	27.2	9.6	✓
178	-28°	5940	8	17.9	-28	33.4	9.7	✓
179	-28°	5994	8	19.9	-28	33.6	8.6	✓
180	-28°	5990	8	19.8	-28	55.3	8.9	✓
181	-28°	5998	8	20.1	-28	57.9	9.2	✓
182	-29°	6118	8	19.8	-29	6.5	9.0	✓
183	-29°	6107	8	19.5	-29	7.6	9.4	✓
184	-29°	6105	8	19.4	-29	29.8	9.5	✓
185	-29°	6112	8	19.6	-29	24.3	9.2	✓
186	-29°	6074	8	18.5	-29	5.9	9.2	✓
187	-29°	6084	8	18.6	-29	13.9	9.1	✓
188	-29°	6083	8	18.7	-29	16.0	9.5	✓
189	-29°	6071	8	18.4	-29	24.0	9.2	✓

mag. 9.7 -28° 5959 superposed.

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Thursday, April 17, 1913.

B 400 80 short disp.

No.	Int.	Class	Remark
190	1	K0	
191	4	B8	The s. p. of two.
192	2	A2	
193	4	B8	
194	5	A3	
195	3	A0	
196	2	A5	
197	1	G5	
198	5	A0	
199	2	A0	
200	3	A2	
201	2	A0	
202	2	K5	
203	7	A0	
204	1	K0	
205	2	K0	
206	3	B8	
207	5	B8	
208	4	F2	
209	2	A2	
210	7	A0	
211	1	G5	
212	4	A2	
213	1	K0	
214	3	B9	
215	1	F5	
216	2	A3	

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1913phae.proj.2150C

190	-27°	5270	8	12.6	-27	47.8	8.9	J
	-27°	5311	8	14.5	-27	58.4	9.1	
191	-28°	5851	8	14.7	-28	0.4	8.3	J
192	-27°	5317	8	14.6	-27	47.8	9.5	J
193	-27°	5326	8	15.0	-27	45.5	8.6	J
194	-28°	5851	8	14.7	-28	0.4	8.3	J
195	-27°	5338	8	15.4	-27	59.8	9.1	J
196	-28°	5866	8	15.1	-28	21.0	9.3	J
197	-28°	5885	8	15.8	-28	13.6	9.2	J
198	-28°	5900	8	16.2	-28	10.2	8.8	J
199	-27°	5368	8	16.5	-27	25.9	9.3	J
200	-27°	5360	8	16.3	-27	5.4	9.1	J
201	-26°	5922	8	16.5	-26	59.6	9.4	J
202	-26°	5933	8	16.9	-26	47.5	8.6	J
203	-26°	5955	8	17.8	-26	36.6	8.0	J
204	-27°	5405	8	18.2	-27	1.5	8.6	J
205	-26°	5968	8	18.6	-26	55.0	8.5	J
206	-26°	5739	8	7.6	-25	57.6	9.1	
207	-25°	5751	8	8.3	-25	47.9	8.5	J
208	-25°	5764	8	8.8	-25	20.2	8.5	J
209	-25°	5767	8	9.0	-25	35.1	9.3	J
210	-25°	5774	8	9.4	-25	37.4	8.0	J
211	-25°	5780	8	9.7	-25	44.4	9.1	J
212	-26°	5745	8	9.7	-26	3.7	8.7	J
213	-25°	5794	8	10.2	-25	46.4	8.7	J
214	-25°	5797	8	10.3	-25	35.8	9.0	J
215	-26°	5732	8	9.2	-26	30.3	9.0	J
216	-26°	5740	8	9.5	-26	20.7	9.4	J

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1913phae.proj.2150C

Thursday, April 17, 1913.

B 40080 short disp.

No.	Int.	Class	Remarks
217	2	A2	
218	2	A0	
219	2	K5	
220	1	A	
221	4	B5	
222	3	F5	
223	4	F8	
224	2	A0	
225	2	A5	
226	6	A3	
227	7	F5	
228	3	F5	
229	5	K5	
230	3	A0	
231	2	F8	
232	4	B3	
233	2	K0	
234	3	B9	
235	2	G0	
236	1	A	
237	7	K0	
238	4	A0	
239	5	A0	
240	1	G	
241	4	A3	
242	6	F8	
243	6	F0	

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1913phae.proj.2150c

217	-26°	57'39.44"	8'	9.4	-26	34.2.7	9.4.3	✓
218	-26°	5759	8'	10.1	-26	33.9	9.3	✓
219	-26°	5750	8'	9.9	-26	44.8	8.9	✓
220	-27°	5236	8'	10.9	-27	2.5	9.2	✓
221	-27°	5254	8'	11.9	-27	9.8	8.7	✓
222	-26°	5810	8'	12.2	-26	53.5	8.7	✓
223	-26°	5816	8'	12.5	-26	44.8	8.0	✓
224	-26°	5814	8'	12.5	-26	35.6	9.5	✓
225	-26°	5815	8'	12.5	-26	36.6	9.1	✓
226	-26°	5827	8'	12.9	-26	36.5	8.5	✓
227	-25°	5843	8'	12.2	-25	55.0	7.5	✓
228	-26°	5797	8'	11.6	-26	19.2	8.8	✓
229	-25°	5866	8'	13.1	-25	57.5	7.6	✓
230	-26°	5841	8'	13.4	-26	14.1	8.7	✓
231	-26°	5849	8'	13.8	-26	23.1	8.7	✓
232	-26°	5853	8'	14.0	-26	32.9	8.5	✓
233	-26°	5854	8'	14.0	-26	23.6	8.3	✓
234	-26°	5856	8'	14.2	-26	9.0	9.3	✓
235	-26°	5860	8'	14.3	-26	18.1	9.0	✓
236	-26°	5862	8'	14.4	-26	13.1	9.3	✓
237	-26°	5865	8'	14.5	-26	41.2	7.5	✓
238	-26°	5874	8'	14.8	-26	37.8	8.8	✓
239	-26°	5882	8'	15.0	-26	48.5	9.1	✓
240	-26°	5879	8'	14.9	-26	36.2	9.2	✓
241	-26°	5883	8'	15.1	-26	26.6	8.7	✓
242	-26°	5891	8'	15.4	-26	27.1	8.5	✓
243	-27°	5291	8'	13.5	-27	7.8	8.2	✓

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Thursday, April 17, 1913.

B40080 short disp.

No.	Int.	Class	Remark
244	1	A	
245	2	A0	
246	1	F	
247	3	A2	
248	2	G0	
249	2	A2	
250	1	A	
251	1	A5	
252	2	A2	
253	1	A3	
254	6	F5	
255	2	A2	
256	1	K0	
257	3	G0	
258	3	A0	
259	1	A	
260	9	F5	
261	3	A0	
262	5	A2	
263	8	F5	
264	5	A0	
265	5	A3	
266	4	K5	
267	4	A2	
268	6	F5	
269	3	A3	
270	4	Ma	

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1913phae.proj.2150C

244	-27°	5285	8	13.1	-27	17.4	9.8	✓
245	-27°	5307	8	14.3	-27	9.4	9.1	✓
246	-27°	5300	8	14.1	-27	28.0	9.1	✓
247	-27°	5327	8	15.0	-27	1.5	9.1	✓
248	-27°	5341	8	15.6	-27	14.4	9.3	✓
249	-27°	5343	8	15.7	-27	28.4	9.6	✓
250	-27°	5350	8	15.9	-27	38.0	9.7	✓
251	-27°	5358	8	16.2	-27	17.0	9.4	✓
252	-26°	5912	8	16.1	-26	50.0	9.5	✓
253	-26°	5917	8	16.3	-26	25.6	9.2	✓
254	-25°	5940	8	15.9	-25	57.0	9.0	✓
255	-26°	5916	8	16.3	-26	5.2	9.5	✓
256	-26°	5928	8	16.7	-26	6.2	8.7	✓
257	-26°	5931	8	16.9	-26	2.2	9.2	✓
258	-25°	5972	8	17.0	-25	58.0	9.7	✓
259	-26°	5940	8	17.2	-26	4.7	9.6	✓
260	-25°	5988	8	17.5	-25	57.0	6.5	✓
261	-26°	5951	8	17.7	-26	5.2	9.3	✓
262	-25°	5917	8	15.2	-25	43.0	9.0	✓
263	-25°	5913	8	15.1	-25	25.5	8.0	✓
264	-25°	5908	8	14.8	-25	12.7	9.1	✓
265	-25°	5904	8	14.7	-25	5.2	8.7	✓
266	-25°	5897	8	14.4	-25	2.2	8.0	✓
267	-25°	5869	8	13.1	-25	12.2	9.2	✓
268	-24°	6761	8	12.6	-24	58.3	8.3	✓
269	-24°	6762	8	12.6	-24	44.9	9.3	✓
270	-24°	6757	8	12.2	-24	37.5	7.2	✓

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1913phae.proj.2150C

Thursday. April 17, 1913.
B400 80 short exp.

No.	Int.	Class	Remark
271	5	F8	
272	6	G5	
273	2	A0	
274	4	A0	
275	4	F0	
276	8	B35	
277	6	B9	
278	3	A0	
279	2	K0	
280	1	F0	
281	2	F2	
282	5	A2	
283	1	F8	
284	1	A0	
285	4	B9	
286	3	B35	
287	8	A0	
288	3	A0	
289	1	F5	The following of two.
290	9	A2	
291	2	A0	
292	3	A2	
293	1	F2	
294	1	A	
295	2	F8	
296	1	A2	
297	5	B9	

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1913phac.proj.21596

271	-29°	5289	7	54.3	-29	0.5	8.1	~~✓~~
272	-29°	5389	7	55.1	-29	10.2	7.8	✓
273	-29°	5332	7	55.4	-29	18.7	9.4	✓
274	-29°	5336	7	55.6	-29	8.5	9.3	✓
275	-29°	5340	7	55.8	-29	6.8	9.0	✓
	-28°	5299	7	56.1	-28	48.9	8.0	
276	~~-29°~~	~~5289~~	~~7~~	~~54.3~~	~~-29~~	~~0.5~~	~~8.1~~	✓
277	-29°	5353	7	56.2	-29	13.2	8.6	✓
278	-29°	5362	7	56.3	-29	9.5	9.3	✓
279	-29°	5351	7	56.1	-29	31.9	8.5	✓
280	-29°	5367	7	56.7	-29	25.7	9.1	✓
281	-29°	5381	7	57.0	-29	26.7	9.1	✓
282	-29°	5377	7	56.9	-29	16.4	9.1	✓
283	-29°	5385	7	57.2	-29	42.2	8.8	✓
284	-29°	5427	7	58.3	-29	35.9	9.6	✓
285	-29°	5440	7	58.7	-29	25.1	8.8	✓
286	-29°	5416	7	58.1	-29	4.8	9.3	✓
287	-29°	5439	7	58.6	-29	4.2	7.6	✓
288	-29°	5447	7	59.0	-29	1.2	9.4	✓
289	-29°	5438	7	58.6	-29	16.4	9.3	✓
290	-28°	5383	7	59.0	-28	49.1	7.9	✓
291	-28°	5394	7	59.3	-28	53.5	9.3	✓
292	-29°	5480	7	59.8	-29	5.1	9.2	✓
293	-29°	5487	8	0.3	-29	13.1	9.2	✓
294	-29°	5478	7	59.7	-29	19.4	9.6	✓
295	-28°	5427	8	0.5	-28	43.3	9.2	✓
296	-28°	5432	8	0.7	-28	45.6	9.5	✓
297	-28°	5440	8	1.0	-28	42.6	8.8	✓

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1913phae.proj.2150C

Thursday, April 17, 1913.

B400 80 short disps.

No.	Int.	Class	Remark
298	1	fg	
299	5	Bg	
300	2	A2	Another star superposed at south.
301	7	F0	
302	2	A0	
303	1	A2	
304	1	A	Nearly all superposed on 305.
305	3	A3	
306	3	A0	
307	1	F5	
308	6	A0	
309	3	A0	
310	2	A0	
311	2	F2	
312	2	A3	
313	6	F0	
314	3	A3	
315	2	fg5	
316	2	F2	
317	2	Ma	
318	2	A2	
319	1	A3	
320	1	A2	
321	2	fg5	
322	2	A	Another star superposed NF in cat.
323	2	A2	
324	2	A0	

April 18, 1913. 10.15

10.25

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1913phae.proj.2150C

298	-28°	5406	7	59.7	-28	32.9	9.3	J
299	-28°	5407	7	59.7	-28	11.4	9.1	✓
300	-28°	5420	8	0.2	-28	18.3	9.4	J
301	-27°	5002	8	1.0	-27	52.7	7.7	✓
302	-27°	5006	8	1.1	-27	43.6	9.4	J
303	-27°	5015	8	1.5	-27	39.0	9.6	J
304	-27°	5016	8	1.5	-27	32.6	9.6	✓
305	-27°	5018	8	1.6	-27	28.6	9.3	✓
306	-27°	5004	8	1.1	-27	21.6	9.5	✓
307	-27°	5007	8	1.2	-27	15.1	9.5	J
308	-27°	4978	8	0.3	-27	41.6	8.6	J
309	-27°	4984	8	0.5	-27	31.1	9.5	J
310	-27°	4981	8	0.4	-27	26.1	9.4	J
311	-27°	4980	8	0.3	-27	14.9	9.0	✓
312	-27°	4982	8	0.4	-27	18.6	9.9	J
313	-27°	4986	8	0.5	-27	4.6	8.3	✓
314	-27°	4957	7	59.8	-27	17.5	9.6	✓
315	-27°	4961	7	59.9	-27	17.6	9.0	✓
316	-27°	4969	8	0.0	-27	19.1	9.3	J
317	-27°	4937	7	59.2	-27	30.3	9.2	J
318	-27°	4941	7	59.3	-27	24.6	9.7	J
319	-27°	4946	7	59.4	-27	25.6	9.6	J
320	-27°	4949	7	59.5	-27	30.1	9.6	J
321	-27°	4951	7	59.7	-27	43.3	9.3	J
322	-27°	4954	7	59.7	-27	49.0	9.5	✓
323	-27°	4965	8	0.0	-27	50.0	9.1	J
324	-27°	4972	8	0.1	-27	46.0	9.1	J

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1913phae.proj.2150C

Friday, April 18, 1913.

B 40 to 80 short disps.

No.	Int.	Class	Remarks
325	3	Ae3	
326	1	Fo	
327	2	Ae2	
328	2	F8	
329	1	Ae2	
330	1	Ae	
331	2	Ko	
332	1	Ao	
333	2	Ko	
334	1	Ae	
335	2	Ae2	
336	2	Ae2	
337	4	Ko	
338	4	B5	
339	5	Comp?	Region of K unfurrowed on 340. Br. = F5. F#. = Ae (no better on D 43040)
340	3	Ao	
341	3	Comp.	Br. = F5. F#. = A. K = 0.2 H.
342	2	Ko	
343	3	K2	
344	2	Ae2	
345	1	Ae	
346	2	Ao	
347	4	B9	
348	1	K5	
349	1	Ko	
350	1	Ao	
351	2	Ae3	

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1913phae.proj.2150C

325	-27°	4964	7	59.9	-27	43.6	9.5	✓
326	-27°	4967	8	0.0	-27	34.9	9.7	✓
327	-28°	5461	8	1.8	-28	12.1	9.5	✓
328	-28°	5464	8	1.9	-28	15.3	8.7	✓
329	-28°	5471	8	2.1	-28	10.9	9.6	✓
330	-28°	5474	8	2.3	-28	7.9	9.6	✓
331	-27°	5045	8	2.8	-27	44.9	8.6	✓
332	-27°	5033	8	2.3	-27	18.6	9.5	✓
333	-26°	5566	8	3.1	-26	45.3	8.6	✓
334	-26°	5571	8	3.3	-26	46.6	9.6	✓
335	-26°	5579	8	3.6	-26	53.0	9.1	✓
336	-27°	5077	8	3.9	-27	4.1	9.6	✓
337	-27°	5085	8	4.4	-27	5.6	7.8	✓
338	-27°	5090	8	4.5	-27	4.5	8.9	✓
339	-26°	5597	8	4.5	-26	45.6	8.2	✓
340	-26°	5598	8	4.5	-26	42.7	9.3	✓
341	-26°	5599	8	4.5	-26	31.7	8.9	✓
342	-26°	5626	8	5.2	-26	31.7	8.5	✓
343	-26°	5622	8	5.1	-26	9.8	8.4	✓
344	-26°	5656	8	6.1	-26	16.2	9.0	✓
345	-26°	5663	8	6.3	-26	13.2	9.2	✓
346	-26°	5629	8	5.3	-26	46.8	9.7	✓
347	-26°	5641	8	5.8	-26	39.6	9.1	✓
348	-26°	5649	8	6.0	-26	30.7	8.7	✓
349	-26°	5640	8	5.7	-26	53.0	9.4	✓
350	-26°	5651	8	6.0	-26	54.5	9.2	✓
351	-28°	5581	8	5.5	-28	13.6	9.3	✓

(3040)

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Friday, April 18, 1913.

B40080 short disp.

No	Int.	Class	Remark
352	2	F5	
353	1	K2	
354	3	B9	
355	3	F5	
356	1	K0	
357	2	K0	
358	1	K0	
359	1	K0	
360	3	A2	
361	2	A0	
362	2	K2	
363	2	A5	
364	2	F0	
365	1	K0	
366	4	A5	
367	2	F0	
368	3	B8	
369	4	B8	
370	1	B9	
371	1	G5	
372	3	A0	
373	2	B9	
374	4	F0	
375	2	B9	
376	2	A0	
377	8	G0	
378	4	A0	

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352	-28°	5582	8	5.5	-28	23.6	9.1 ✓
353	-28°	5588	8	5.7	-28	8.4	8.3 ✓
354	-27°	5133	8	6.8	-27	56.0	9.3 ✓
355	-27°	5141	8	7.1	-27	55.0	8.9 ✓
356	-28°	5633	8	7.3	-28	1.5	8.5 ✓
357	-28°	5625	8	7.0	-28	12.0	8.5 ✓
358	-28°	5619	8	6.8	-28	47.8	9.0 ✓
359	-28°	5626	8	7.1	-28	51.2	9.1 ✓
360	-28°	5639	8	7.4	-28	38.3	9.0 ✓
361	-28°	5648	8	7.9	-28	49.3	9.2 ✓
362	-28°	5673	8	9.1	-28	39.6	8.8 ✓
363	-28°	5691	8	9.6	-28	47.2	9.2 ✓
364	-28°	5694	8	9.6	-28	57.2	9.1 ✓
365	-28°	5704	8	10.0	-28	51.4	9.1 ✓
366	-29°	5780	8	9.3	-29	25.4	8.7 ✓
367	-29°	5812	8	10.2	-29	28.7	9.3 ✓
368	-29°	5835	8	10.9	-29	23.8	9.3 ✓
369	-29°	5860	8	11.5	-29	39.3	9.0 ✓
370	-29°	5732	8	7.7	-29	18.7	9.3 ✓
371	-29°	5762	8	8.6	-29	26.4	8.9 ✓
372	-29°	5734	8	7.7	-29	54.6	9.1 ✓
373	-30°	5836	8	7.5	-30	19.6	9.0 ✓
374	-30°	5848	8	7.7	-30	42.0	9.0 ✓
375	-31°	5678	8	7.4	-31	3.7	9.0 ✓
376	-31°	5713	8	8.4	-31	29.3	9.41
377	-31°	5719	8	8.7	-31	21.4	7.0 ✓
378	-31°	5722	8	8.8	-31	10.2	8.7 ✓

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Friday, April 18, 1913.

B40080 short disp.

No	Int	Class	Remark
379	2	Ao2	
380	1	K0	
381	2	Ao	
382	4	Ao	
383	6	B9	
384	2	F8	
385	2	K0	
386	2	K5	
387	3	Ao	
388	1	Ao	Partly superposed on 389.
389	4	B8	
390	1	Ao2	
391	4	A0	
392	6	Ao	
393	6	B5	
394	4	F0	
395	2	K0	
396	4	K0	
397	1	F8	
398	1	F5	
399	2	F0	
400	2	K2	
~~400a~~			
401	7	K0	
402	1	K5	
403	2	B9	
404	1	Ao	
405	3	B9	

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1913phae.proj.2150C

379	-31°	5743	8	9.3	-31	7.2	9.0	✓
380	-31°	5727	8	8.9	-31	10.7	8.7	✓
381	-31°	5754	8	10.0	-31	13.6	9.1	✓
382	-31°	5764	8	10.3	-31	20.3	8.9	✓
383	-31°	5773	8	10.6	-31	35.3	8.2	✓
384	-31°	5787	8	11.2	-31	22.5	9.1	✓
385	-31°	5788	8	11.2	-31	11.2	8.6	✓
386	-30°	5948	8	10.9	-30	46.0	8.1	✓
387	-30°	5927	8	10.2	-30	55.5	8.8	✓
388	-30°	5911	8	9.8	-30	37.2	9.4	✓
389	-30°	5910	8	9.8	-30	32.2	8.7	✓
390	-30°	5926	8	10.2	-30	19.0	9.6	✓
391	-30°	5940	8	10.7	-30	11.7	8.1	✓
392	-30°	5945	8	10.8	-30	13.0	8.4	✓
393	-30°	5943	8	10.8	-30	26.0	8.7	✓
394	-30°	5947	8	10.9	-30	27.0	8.4	≠
395	-30°	5975	8	12.1	-30	23.6	8.8	✓
396	-30°	5981	8	12.3	-30	19.3	8.7	✓
397	-30°	5983	8	12.3	-30	41.0	9.1	✓
398	-30°	6017	8	13.4	-30	42.7	9.1	✓
399	-30°	6021	8	13.6	-30	30.2	9.3	✓
400	-30°	6008	8	13.2	-30	20.3	9.0	
~~400a~~	~~-30°~~	~~5947~~	~~8~~	~~10.9~~	~~-30~~	~~27.0~~	~~8.4~~	2 stars this same No but no star No 394.
401	-30°	6064	8	15.1	-30	41.8	7.3	✓
402	-30°	6094	8	16.0	-30	11.3	8.5	✓
403	-30°	6102	8	16.3	-30	2.9	9.4	✓
404	-30°	6145	8	17.6	-30	18.0	9.2	✓
405	-30°	6124	8	17.0	-30	35.7	8.9	✓

Cards made out

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Friday, April 18, 1913.

B3400 80 short disp.

No.	Int.	Class	Remark
406	1	a	Partly superposed on 405.
407	2	a2	
408	4	a0	
409	5	B9	
410	4	a2	
411	4	B8	
412	2	a2	
413	3	a0	
414	1	g5	
415	4	a0	
416	4	B8	
417	4	B9	
418	4	a2	
419	2	a2	
420	7	K2	
421	6	a0	
422	4	F0	
423	3	B	Lines too indistinct to subdivide.
424	6	B3	
425	2	F0	
426	1	a	
427	10	B3	
428	2	a0	
429	3	F8	E.
430	5	a2	E.
431	7	a2	E.
432	5	K0	

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1913phae.proj.2150C

406	-30°	6125	8	17.1	-30	36.2	9.6	J
407	-30°	6112	8	16.7	-30	59.3	8.6	J
408	-30°	6144	8	17.6	-30	59.6	8.3	J
409	-31°	5979	8	18.0	-31	1.8	8.5	J
410	-31°	5825	8	12.4	-31	38.5	8.5	J
411	-31°	5844	8	13.1	-31	45.1	8.4	J
412	-32°	5075	8	12.0	-32	8.8	9.1	J
413	-32°	5099	8	13.1	-32	13.4	9.3	J
414	-32°	5115	8	13.6	-32	2.4	8.5	J
415	-31°	5881	8	14.6	-31	44.7	8.8	J
416	-31°	5883	8	14.7	-31	26.3	8.5	J
417	-31°	5915	8	15.4	-31	36.7	8.5	J
418	-31°	5646	8	6.2	-31	39.3	8.8	J
419	-31°	5641	8	6.0	-31	52.4	9.5	J
420	-32°	4941	8	6.0	-32	0.7	8.0	J
421	-32°	4939	8	5.9	-32	14.0	8.9	J
422	-32°	4928	8	5.3	-32	22.5	8.2	J
423	-31°	5661	8	6.8	-31	47.1	9.0	J
424	-31°	5709	8	8.3	-31	47.1	7.8	J
425	-31°	5726	8	8.9	-31	56.4	8.9	J
426	-32°	5001	8	9.1	-32	1.7	9.4	J
427	-31°	5742	8	9.3	-31	45.8	6.7	J
428	-31°	5767	8	10.4	-31	48.4	9.3	J
429	-32°	5068	8	11.8	-32	47.9	8.5	J
430	-32°	5076	8	12.2	-32	37.3	8.2	J
431	-32°	5087	8	12.6	-32	28.9	7.0	J
432	-27°	4814	7	53.5	-27	14.7	7.5	J

Cards made out

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1913phae.proj.2150C

Friday, April 18, 1913.

B 40080 short disp.

Nr	Int.	Class	Remark
433	1	F5	
434	2	A0	
435	5	A2	
436	3	G5	
437	3	F5	
438	2	B9	
439	5	G5	
440	4	F0	
441	7	F2	
442	2	F8	
443	3	A2	
444	4	A0	
445	3	G0	
446	4	A0	
447	3	B9	
448	2	A2	
449	2	G5	
450	4	F0	
451	2	F5	
452	3	B9	
453	3	B8	
454	2	A0	
455	1	A0	
456	1	A0	
457	2	A2	
458	4	G5	
459	2	A0	

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1913phae.proj.2150C

433	-27°	4816	7	53.6	-27	6.4	8.7 ✓
434	-27°	4827	7	54.1	-27	16.1	9.5 ✓
435	-26°	5308	7	54.0	-26	45.1	8.8 ✓
436	-26°	5320	7	54.4	-26	51.6	8.1 ✓
437	-26°	5328	7	54.6	-26	57.1	8.1 ✓
438	-27°	4840	7	55.0	-27	26.4	9.4 ✓
439	-27°	4819	7	53.8	-27	34.9	7.7 ✓
440	-27°	4836	7	54.7	-27	45.7	7.8 ✓
441	-28°	5236	7	54.4	-28	5.8	8.1 ✓
442	-27°	4841	7	~~53.8~~ 54.5	-27	55.5	9.3 ✓
443	-28°	5234	7	54.3	-28	24.3	9.3 ✓
444	-28°	5217	7	53.8	-28	42.3	8.7 ✓
445	-28°	5267	7	55.2	-28	39.9	9.3 ✓
446	-28°	5273	7	55.4	-28	23.6	9.0 ✓
447	-28°	5288	7	55.9	-28	5.4	9.3 ✓
448	-28°	4857	7	55.9	-27	57.0	9.5 ✓
449	-27°	4863	7	56.1	-27	32.4	9.1 ✓
450	-27°	4872	7	56.4	-27	46.3	9.3 ✓
451	-28°	5316	7	56.7	-28	3.4	8.5 ✓
452	-28°	5321	7	56.9	-28	1.5	9.4 ✓
453	-27°	4889	7	57.3	-27	56.5	8.9 ✓
454	-28°	5308	7	56.5	-28	23.9	9.3 ✓
455	-28°	5325	7	56.9	-28	27.3	9.4 ✓
456	-28°	5336	7	57.3	-28	30.6	9.4 ✓
457	-28°	5331	7	57.1	-28	56.5	9.3 ✓
458	-28°	5335	7	57.3	-28	50.1	8.7 ✓
459	-28°	5338	7	57.3	-28	45.3	9.2 ✓

Cards made out.

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1913phae.proj.2150C

Friday, April 18, 1913.

B40080 short disp.

No.	Int.	Class	Remark
460	2	A2	
461	5	F0	
462	2	F5	
463	2	A0	
464	2	F0	
465	7	A2	
466	2	A5	
467	1	G5	
468	1	K2	
469	2	A0	
470	3	A0	
471	1	F5	
472	3	B2	Hβ bright?
473	2	B9	
474	3	B8	
475	2	B	Lines indistinct.
476	1	G0	
477	4	G5	
478	2	B8	
479	7	A3	
480	4	G0	
481	5	B8	
482	3	A0	
483	2	K2	Partly superposed on 484.
484	4	M0	
485	2	A0	
486	4	B8	(Partly superposed on a bright star.)

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460	-28°	5341	7	57.5	-28	46.6	9.3	✓
461	-28°	5350	7	57.7	-28	53.5	8.8	✓
462	-28°	5359	7	58.1	-28	44.0	9.2	✓
463	-28°	5368	7	58.4	-28	28.3	9.4	✓
464	-28°	5362	7	58.3	-28	5.8	9.5	✓
465	-28°	5372	7	58.5	-28	1.0	8.3	✓
466	-28°	5384	7	59.2	-28	4.1	9.5	✓
467	-28°	5391	7	59.2	-28	3.1	9.4	✓ certainly 3 of 468. C.P.D. checked
468	-28°	5402	7	59.6	-28	3.4	9.3	✓
469	-27°	4942	7	59.3	-27	50.0	9.4	✓
470	-27°	4913	7	58.2	-27	36.8	9.6	✓
471	-27°	4914	7	58.3	-27	12.0	9.8	✓
472	-27°	4933	7	59.0	-27	8.0	9.3	✓
473	-26°	5456	7	58.6	-26	58.1	9.3	✓
474	-26°	5455	7	58.6	-26	49.6	8.6	✓
475	-26°	5453	7	58.6	-26	42.4	9.4	✓
476	-27°	4907	7	58.0	-27	5.6	9.3	✓
477	-26°	5441	7	58.1	-26	54.6	8.2	✓
478	-26°	5430	7	~~58.1~~ 57.8	-26	6 54.6	~~8.2~~ 9.5	✓
479	-26°	5399	7	56.9	-26	54.1	8.5	✓
480	-26°	5359	7	55.7	-26	53.1	9.0	✓
481	-26°	5370	7	56.1	-26	43.1	8.3	✓
482	-26°	5382	7	56.4	-26	34.8	9.3	✓
483	-27°	4868	7	56.3	-27	22.9	8.8	✓
484	-27°	4871	7	56.4	-27	20.4	8.6	✓
485	-27°	4888	7	57.3	-27	19.4	9.7	✓
486	-27°	4895	7	57.6	-27	11.7	9.5	✓

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Friday, April 18, 1913.

B 40080 short disp.

Tho	Int.	Class	Remark
487	1	K0	
488	3	A2	
489	2	A0	
490	1	K5	
491	2	K0	
492	2	A0	
493	3	A3	
494	5	B9	
495	1	K5	
496	3	Ma	
497	2	A2	
498	1	G0	
499	2	B9	
11.09 5006	2	B8	
5011	1	Ma	
502	2	G5	

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1913phae.proj.2150C

487	−26°	5420	7	57.5	−26	46.7	9.3	✓
488	−26°	5443	7	58.2	−26	28.3	9.2	✓
489	−26°	5445	7	58.3	−26	18.7	9.2	✓
490	−26°	5463	7	59.1	−26	20.2	9.0	✓
491	−26°	5470	7	59.4	−26	17.2	8.4	✓
492	−26°	5478	7	59.7	−26	18.2	9.5	✓
493	−26°	5475	7	59.6	−26	9.1	9.5	✓
494	−26°	5479	7	59.7	−26	9.8	8.5	✓
495	−26°	5489	8	0.2	−26	38.4	8.6	✓
496	−26°	5488	8	0.2	−26	23.7	8.0	✓
497	−26°	5490	8	0.2	−26	26.7	9.1	✓
498	−26°	5500	8	0.7	−26	28.2	8.7	✓
499	−26°	5504	8	0.8	−26	20.2	9.5	✓
500	−26°	5508	8	0.9	−26	21.2	9.5	✓

Identified by J. C. M. August 7, 1913
Checked by AMC August 16, 1913
cards made out by M. D. W.
Cards checked by S. R. B.

501	−30°	5426	7	55.9	−30	54	8.3

No. 501 idnt. on card by MK.

✓	502	−24	6756	8	12.4	−24	3	8.9

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1913phae.proj.2150C

Wednesday, April 30, 1913.

Trine: 11. 15

V 3 18976 short disp.

No.	Int.	Class	Remark
1	3	K0	E.
2	3	F5	E.
3	3	K5	E.
4	9	K0	
5	3	A0	
6	4	A0	
7	6	K0	
8	3	K0	
9	7	B9	
10	6	B5	
11	3	A0	
12	6	F2	
13	7 ..	B5	
14	8	G5	
15	1	K0	
16	5	B8	
17	2	F5	
18	1	F5	Another star partly superposed.
19	1	A2	
20	2	A0	
21	2	A2	
22	6	B9	
23	2	G0	
24	5	A	Another star partly superposed. Exact class uncertain
25	7	A0	
26	3	K0	
27	3	A0	

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1913phae.proj.2150C

1	−15°	1961	7	32.7	−15	59.3	8.0
2	−15°	1965	7	33.0	−15	41.9	8.2
3	−15°	1966	7	33.1	−15	30.0	7.5
4	−14°	2082	7	33.8	−14	55.7	5.4
5	−15°	1978	7	34.9	−15	32.2	9.0
6	−15°	1986	7	35.7	−15	27.0	8.5
7	−15°	1987	7	35.7	−15	43.8	7.0
8	−15°	1992	7	35.9	−15	36.7	8.4
9	−15°	2006	7	37.3	−15	49.8	7.7
10	−15°	2014	7	38.3	−15	46.5	8.1
11	−15°	2017	7	38.4	−15	57.2	8.8
12	−16°	2111	7	38.8	−16	14.3	8.7
13	−16°	2101	7	37.6	−16	35.2	8.2
14	−16°	2093	7	36.4	−16	43.0	6.8
15	−16°	2089	7	35.7	−16	46.8	8.7
16	−16°	2081	7	34.6	−16	48.7	8.0
17	−16°	2074	7	33.6	−16	13.5	8.5
18	−16°	2080	7	34.5	−16	9.6	8.9
19	−16°	2087	7	35.6	−16	58.9	9.2
20	−16°	2096	7	36.7	−16	54.2	9.3
21	−16°	2099	7	37.0	−16	58.8	9.3
22	−17°	2118	7	37.1	−17	13.3	8.2
23	−17°	2113	7	36.4	−17	21.2	9.0
24	−17°	2120	7	37.3	−17	35.7	8.6
25	−17°	2126	7	37.8	−17	31.1	8.2
26	−17°	2130	7	38.2	−17	20.9	7.8
27	−17°	2137	7	38.8	−17	40.9	8.7

magn. 9.0 −16° 2079 superposed

magn. 9.1 −16° 2087 superposed

magn. 9.4 −17° 2121 superposed

cards made out

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1913phae.proj.2150C

Wednesday, April 30, 1913.

B 18976 short disp

No.	Int.	Class	Remark
28	3	Bg	
29	1	A3	
30	2	A3	
31	2	A0	
32	2	A2	Another star superposed ?
33	2	A0	
34	1	A0	
35	5	F5	
36	2	A2	
37	2	F2	
38	4	A2	
39	6	F5	
40	2	A0	
41	1	A	
42	9	K0	
43	4	G5	
44	4	A0	
45	5	A2	
46	2	A0	
47	6	A2	
48	5	K2	
49	6	K0	
50	6	A5	
51	1	K0	
52	3	Bg	
53	3	K2	
54	2	A0	

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28	−17°	2138	7	38.8	−17	52.6	8.9
29	−17°	2139	7	39.1	−17	48.0	9.4
30	−17°	2142	7	39.4	−17	47.4	9.4
31	−17°	2149	7	39.7	−17	29.1	9.2
32	−17°	2144	7	39.6	−17	15.9 ~~19.7~~	9.2 −17° 2144 Superposed, magn. 9.1
33	−16°	2116	7	39.2	−16	59.0	9.0
34	−17°	2132	7	38.5	−17	0.3	9.5
35	−16°	2105	7	38.1	−16	56.5	8.1
36	−16°	2113	7	39.1	−16	37.5	9.2
37	−16°	2122	7	40.1	−16	47.9	9.0
38	−17°	2158	7	40.9	−17	7.5	9.1
39	−17°	2171	7	42.2	−17	2.8	8.1
40	−16°	2138	7	42.6	−16	57.5	9.3
41	−16°	2143	7	42.9	−16	58.3	9.4
42	−16°	2156	7	43.1	−16	51.8	5.0
43	−16°	2145	7	43.0	−16	29.8	8.5
44	−16°	2136	7	42.0	−16	11.4	8.7
45	−15°	2068	7	42.6	−15	58.6	8.5
46	−15°	2062	7	42.0	−15	54.5	9.0
47	−15°	2056	7	41.7	−15	30.7	8.2
48	−15°	2052	7	41.1	−15	39.5	6.7
49	−15°	2049	7	41.0	−15	37.8	6.2
50	−15°	2043	7	40.6	−15	17.7	8.3
51	−15°	2054	7	41.7	−15	12.2	8.7
52	−15°	2059	7	41.9	−15	12.5	8.9
53	−14°	2229	7	42.8	−14	59.0	7.8
54	−15°	2080	7	43.8	−15	10.1	9.2

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1913phae.proj.21500C

Wednesday, April 30, 1913.
B 18976 short disp.

No.	Int.	Class	Remark
55	2	A_2	
56	5	F_5	
57	5	A_2	
58	2	F_0	
59	1	K_5	
60	3	K_5	
61	1	A_0	
62	1	K_0	
63	3	G_0	
64	5	F_5	
65	2	A_0	
66	2	A_3	
67	9	F_2	
68	2	A_3	
69	6	F_2	
70	3	A_3	
71	7	B_9	
72	2	G_5	Faintly superposed on 73.
73	8	B_9	
74	7	K_0	
75	3	A_2	
76	4	F_0	
77	7	F_2	
78	1	K_0	
79	2	Pec.	Resembles class K, but more pec.
80	5	K_2	
81	3	A_0	

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1913phae.proj.2150C

55	-15°	2082	7	43.9	-15	40.3	9.0
56	-15°	2090	7	44.8	-15	30.6	8.2
57	-15°	2086	7	44.5	-15	54.6	8.6
58	-15°	2087	7	44.6	-15	47.9	9.6
59	-15°	2093	7	44.9	-15	52.4	8.9
60	-16°	2162	7	44.9	-16	14.2	8.2
61	-16°	2152	7	43.8	-16	22.8	9.5
62	-16°	2157	7	44.2	-16	30.1	9.0
63	-16°	2160	7	44.5	-16	46.5	9.0
64	-16°	2163	7	44.9	-16	39.6	8.5
65	-17°	2183	7	44.4	-17	9.0	9.4
66	-17°	2190	7	45.3	-17	0.9	9.0
67	-17°	2186	7	45.0	-17	17.3	9.1
68	-17°	2191	7	45.4	-17	16.0	9.4
69	-17°	2196	7	45.7	-17	24.6	8.5
70	-17°	2199	7	45.9	-17	29.9	9.1
71	-17°	2198	7	45.9	-17	38.9	8.3
72	-17°	2189	7	45.3	-17	55.1	8.7
73	-17°	2188	7	45.3	-17	59.2	7.9
74	-17°	2185	7	44.6	-17	52.5	6.5
75	-17°	2179	7	43.6	-17	41.1	8.7
76	-18°	2051	7	44.4	-18	32.4	8.9
77	-18°	2049	7	44.2	-18	34.6	8.2
78	-18°	2041	7	43.4	-18	34.2	8.7
79	-18°	2040	7	43.3	-18	38.4	8.5
80	-18°	2029	7	42.3	-18	49.2	7.7
81	-18°	2022	7	41.7	-18	26.5	9.0

cards made out

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1913phae.proj.2150C

Wednesday, April 30, 1913.

B 18976 short disp.

No.	Int.	Class	Remark
82	3	Bg	
83	1	Ir5	
84	4	Ir2	
85	5	Oe2	
86	3	Ir0	
87	3	Fr5	
88	2	Oe0	
89	2	Oe0	
90	5	Oe0	
91	3	Gr5	
92	3	Oe2	
93	2	Oe0	
94	2	Oe0	
95	2	Ir0	
96	7	Oe0	
97	8	Bf8	
98	4	Oe0	4026 seen.
99	8	Oe2	
Time: 11.38	100	4	Fr8
May 1, 1913			
Time: 10.18	101	2	Bg
	102	1	Oe0 Faily superposed on 101.
	103	1	Oe
	104	7	Ir0
	105	8	Ir0
	106	3	Oe0
	107	2	Oe5
	108	4	Fr5

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1913phae.proj.21500

82	−18°	2018	7	40.6	−18	50.0	9.2	∧ ∨
83	−18°	2017	7	40.3	−18	55.8	8.9	∧ ∨
84	−18°	2008	7	39.5	−18	33.0	8.2	∧ ∨
85	−18°	2003	7	38.9	−18	21.0	8.8	∧ ∨
86	−18°	2006	7	39.3	−18	5.0	8.5	∧ ∨
87	−18°	2013	7	39.9	−18	8.6	9.0	∧ ∨
88	−17°	2152	7	40.2	−17	53.4	9.5	∧ ∨
89	−17°	2154	7	40.6	−17	57.0	9.4	∧ ∨
90	−18°	1993	7	37.5	−18	15.2	9.0	∧ ∨
91	−18°	1989	7	37.4	−18	35.0	8.8	∧ ∨
92	−18°	1999	7	38.1	−18	54.9	9.0	∧ ∨
93	−18°	2001	7	38.6	−18	59.0	9.3	∧ ∨
94	−18°	2007	7	39.3	−18	59.6	9.3	∧ ∨
95	−19°	2042	7	38.6	−19	20.2	9.0	∧ ∨
96	−19°	2062	7	40.9	−19	34.7	7.6	∧ ∨
97	−19°	2066	7	41.4	−19	37.7	8.2	∧ ∨
98	−19°	2067	7	41.4	−19	12.4	8.7	∧ ∨
99	−19°	2068	7	41.6	−19	2.6	7.8	∧ ∨
100	−18°	2023	7	41.7	−18	58.5	8.5	∧ ∨
101	−18°	2026	7	42.0	−18	56.2	9.0	∧ ∨
102	−18°	2028	7	42.1	−18	58.3	9.3	∧ ∨
103	−19°	2077	7	42.1	−19	6.8	9.5	∧ ∨
104	−19°	2083	7	43.3	−19	8.2	6.8	∧ ∨
105	−19°	2089	7	43.7	−19	9.8	6.4	∧ ∨
106	−19°	2091	7	43.8	−19	23.1	9.1	∧ ∨
107	−19°	2092	7	43.9	−19	12.4	9.0	∧ ∨
108	−19°	2095	7	44.5	−19	16.3	8.8	∧ ∨

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1913phae.proj.2150C

Thursday Af May 1, 1913.

B 1897b short disp.

No.	Int.	Class	Remark	
109	4	A2		
110	3	A0		
111	5	A0		
112	5	A0		
113	8	B8		
114	2	A2		
115	2	A0		
116	3	A0		
117	4	B9		
118	1	F0		
119	5	B9		
120	3	B9		
121	4	A	Hγ, δ, ε, double. Two stars?	yes
122	9	A2		
123	2	K2		
124	3	A0		
125	5-	A0		
126	4	K0		
127	4	G5		
128	2	A2		
129	4	K0		
130	2	G5		
131	3	K2		
132	8	A0		
133	2	K0		
134	3	G5		
135	3	F8		

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1913phae.proj.2150C

109	−19°	2096	7	44.6	−19	5.0	9.0
110	−18°	2056	7	45.1	−18	58.1	9.0
111	−18°	2061	7	45.5	−18	45.4	8.8
112	−19°	2108	7	46.3	−19	16.8	8.3
113	−19°	2106	7	46.3	−19	25.2	8.0
114	−19°	2113	7	46.7	−19	15.9	9.2
115	−19°	2111	7	46.6	−19	2.9	9.3
116	−19°	2119	7	47.0	−19	0.9	9.1
117	−19°	2123	7	47.3	−19	9.1	8.7
118	−19°	2126	7	47.7	−19	13.5	9.4
119	−19°	2127	7	47.8	−19	18.6	8.7
120	−18°	2075	7	48.1	−18	45.9	9.1
121	−18°	2077	7	48.5	−18	37.4	9.2
122	−18°	2082	7	49.0	−18	39.8	7.2
123	−18°	2085	7	49.2	−18	42.9	8.7
124	−18°	2090	7	50.0	−18	38.8	9.1
125	−18°	2093	7	50.2	−18	30.3	8.7 ~~9.3~~
126	−18°	2103	7	51.2	−18	45.2	8.3
127	−18°	2108	7	51.6	−18	52.8	8.2
128	−18°	2109	7	52.0	−18	42.7	9.2
129	−19°	2164	7	51.9	−19	7.3	8.5
130	−19°	2168	7	52.2	−19	2.7	8.5
131	−18°	2114	7	52.6	−18	56.8	8.2
132	−19°	2175	7	52.9	−19	4.3	8.0
133	−19°	2162	7	51.8	−19	17.4	8.8
134	−19°	2163	7	51.8	−19	31.9	8.8
135	−19°	2153	7	50.9	−19	26.1	8.5

109 −19° 2120 9.5 superposed

Only one DM number

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1913phae.proj.2150C

Thursday, ~~April~~ May 1, 1913.
B1897b short disp.

Nr.	Int.	Class	Remark
136	4	A3	
137	4	A2	
138	7	A2	
139	6	F5	
140	6	A0	
141	5	K2	
142	2	F8	
143	1	G0	
144	7	A2	
145	2	A2	
146	3	A0	
147	3	F2	
148	3	A2	
149	7	K5	
150	3	B9	
151	3	G5	
152	6	K0	
153	2	A0	
154	3	A3	
155	5	F0	
156	2	G0	
157	2	F8	
158	4	B9	
159	3	K0	
160	4	B9	
161	2	A0	
162	3	B9	

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1913phae.proj.2150c

136	−19°	2176	7	53.2	−19	21.7	8.8	1 v
137	−19°	2185	7	53.8	−19	20.6	9.0	1 v
138	−19°	2186	7	54.0	−19	40.5	8.6	1 v
139	−19°	2182	7	54.5	−19	5.2	8.5	1 x
140	−18°	2127	7	54.6	−18	43.9	8.7	1 v
141	−18°	2130	7	55.1	−18	14.7	7.8	1 v
142	−18°	2134	7	55.4	−18	6.4	8.9	1 x
143	−18°	2135	7	55.6	−18	16.4	9.1	1 v
144	−18°	2147	7	56.8	−18	10.8	8.3	1 v
145	−17°	2298	7	56.6	−17	32.5	9.1	1 v
146	−17°	2305	7	57.3	−17	38.8	9.1	1 v
147	−17°	2304	7	57.3	−17	9.5	8.8	1 v
148	−16°	2272	7	57.7	−16	51.5	8.7	1 v
149	−17°	2311	7	58.0	−17	15.3	6.8	1 v
150	−17°	2317	7	58.5	−17	22.8	9.1	1 v
151	−17°	2321	7	58.8	−17	34.2	8.7	1 v −17° 2320 v.v.g.n. 9.5 superposed
152	−16°	2277	7	58.5	−16	36.7	7.8	1 v
153	−16°	2274	7	58.0	−16	25.8	9.0	1 v
154	−16°	2279	7	58.6	−16	15.1	8.6	1 v
155	−16°	2263	7	56.7	−16	16.5	8.2	1 v
156	−16°	2257	7	56.2	−16	18.2	8.3	1 v
157	−16°	2255	7	55.9	−16	29.5	8.9	1 v
158	−15°	2222	7	56.6	−15	53.6	8.8	1 v
159	−15°	2232	7	57.3	−15	56.0	8.1	1 v
160	−14°	2223	7	42.3	−14	15.0	8.7	1 v
161	−14°	2230	7	43.1	−14	17.3	9.0	1 v
162	−14°	2235	7	43.9	−14	42.8	9.1	1 v

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1913phae.proj.2150C

Thursday, May 1, 1913.
B 18976 slant disp.

Wr.	Int	Class	Remark
163	1	K5	
164	5	A2	
165	3	F8	
166	4	F5	
167	7	B9	
168	2	K2	
169	5	B9	
170	3	F0	
171	1	A	
172	3	A0	
173	4	B9	Another star superposed on pr. side.
174	2	K0	
175	4	K0	
176	2	B9	
177	4	A0	
178	4	B9	
179	5	A0	
180	1	A	
181	3	K2	
182	5	K5	
183	2	B9	
184	2	F8	
185	4	A0	
186	4	A0	
187	2	A0	
188	3	A0	
189	5	A3	

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1913phae.proj.2150c

163	−14°	2240	7	44.5	−14	52.9	8.9
164	−14°	2245	7	45.1	−14	53.1	8.2
165	−14°	2251	7	45.7	−14	56.8	8.5
166	−15°	2101	7	45.8	−15	4.3	8.8
167	−15°	2102	7	46.0	−15	3.3	7.8
168	−15°	2105	7	46.2	−15	6.0	8.6
169	−15°	2110	7	46.7	−15	29.4	8.2
170	−16°	2168	7	45.9	−16	18.8	8.7
171	−16°	2164	7	45.0	−16	27.5	9.4
172	−16°	2169	7	46.1	−16	43.6	9.0
173	−16°	2173	7	46.6	−16	48.6	9.1
174	−16°	2175	7	46.8	−16	27.0	8.7
175	−16°	2180	7	47.1	−16	28.7	8.2
176	−17°	2203	7	46.3	−17	2.8	9.3
177	−17°	2205	7	46.4	−17	8.1	9.0
178	−17°	2223	7	48.0	−17	15.9	8.9
179	−17°	2222	7	47.9	−17	25.4	9.0
180	−17°	2216	7	47.5	−17	30.7	9.2
181	−17°	2220	7	47.7	−17	45.4	8.2
182	−17°	2219	7	47.6	−17	57.2	7.0
183	−17°	2208	7	46.5	−17	51.2	9.5
184	−18°	2072	7	47.3	−18	33.2	9.1
185	−17°	2225	7	48.2	−17	52.5	8.7
186	−17°	2229	7	48.4	−17	41.3	8.7
187	−17°	2233	7	48.8	−17	45.6	9.3
188	−17°	2239	7	50.0	−17	17.5	9.1
189	−17°	2247	7	50.9	−17	34.5	8.8

magn. 9.2 superposed

−16° 2172

Is not this −17° 2202 with −17° 2201 superposed? see chart ✱ — no has been −17° 2201. Else dimber

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1913phae.proj.2150C

Thursday, May 1, 1913.

B 1897 a short disp.

No	Int.	Class	Remark
190	3	Lo	
191	5	F2	
192	1	A2	
193	1	Ao	
194	4	Bg	
195	2	F2	
196	104	A	
197	3	K2	
198	6	Ko	
199	4	Dg	
200	4	Ao	
201	5	Ko	
202	7	Ko	
203	2	K5	
204	5	Ao	
205	3	K5	
206	2	Ao	
10.35	207	8 F5	
11.08	208	3 K2	Partly superposed on 207.
	209	2	Ao
	210	3	Ao
	211	2	Lo
	~~211~~		
	212	1	A
	213	2	Ao
	214	1	A
	215	3	A Another star superposed
	216	4	Ao

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1913phae.proj.21500

190	−17°	2252	7	51.6	−17	21.9	8.8	∧∨
191	−17°	2257	7	51.9	−17	47.8	8.6	∧✓
192	−17°	2244	7	50.5	−17	49.6	9.3	∧∣
193	−18°	2095	7	50.4	−18	21.0	9.2	∧∨
194	−18°	2110	7	52.2	−18	16.4	8.5	∧✓
195	−18°	2116	7	53.1	−18	19.5	9.3	∧✓
196	−18°	2118	7	53.4	−18	0.2	5.3	∧✓
197	−17°	2274	7	53.8	−17	36.4	8.0	∧✓
198	−17°	2276	7	54.0	−17	32.2	8.0	∧✓
199	−17°	2292	7	55.5	−17	11.8	8.7	∧✓
200	−17°	2295	7	56.1	−17	16.1	8.7	∧✓
201	−16°	2240	7	53.9	−16	38.3	7.5	∧✓
202	−16°	2237	7	53.6	−16	33.5	7.0	∧✓
203	−16°	2227	7	52.7	−16	17.5	8.0	∧∨
204	−16°	2226	7	52.7	−16	27.0	8.1	∧✓
205	−16°	2224	7	52.3	−16	39.7	7.3	∧✓
206	−16°	2211	7	51.0	−16	43.7	9.4	∧✓
207	−16°	2206	7	50.1	−16	8.7	7.0	∧✓
208	−16°	2205	7	50.1	−16	14.8	7.8	∧✓
209	−16°	2204	7	50.1	−16	23.4	9.3	∧✓
210	−16°	2199	7	49.5	−16	10.0	9.0	∧ 16° 200 89 superposed
211	−16°	2192	7	48.7	−16	41.6	9.0	∧ one of these mult—
212	−16°	2190	7	48.6	−16	8.0	9.1	∧ be [illegible] which one?
213	−16°	~~2202~~ 2207	7	~~50.9~~ 50.8	~~−16~~ −16	~~28.0~~ 29.1	~~9.1~~ 9.0	✓
214	−16°	~~2207~~ 2208	7	~~50.8~~ 50.8	~~−16~~ −16	~~29.1~~ 37.2	~~9.0~~ 9.3	✓
215	−15°	2151	7	51.0	−15	54.2	9.1	✓ 15° 215 1 magn. 9.1 superpsd
216	−15°	2157	7	51.8	−15	21.4	9.0	∧✓

do not the ✓ −15° 2152 with −15° 2151 superposed yes

cards made out

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1913phae.proj.2150C

Thursday, May 1, 1913.

~~Time~~:

B 18976 short disp.

Nr.	Int.	Class	Remark
217	4	K0	
218	2	A0	
219	8	A5	
220	6	K0	
221	2	K0	
222	2	A0	
223	1	A	
224	3	A0	
225	1	A	Partly superposed on 224.
226	16	A0	
227	2	K0	
228	3	A2	
229	3	F5	
230	2	K5	
231	8	A3	
232	5	A0	
233	4	F0	
234	4	G9	
235	1	kp	
236	1	K0	
237	4	K5	
238	2	A0	
239	2	K0	
240	4	A0	Partly superposed on 241.
241	3	kp	
242	3	kp	
243	2	F5	

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1913phae.proj.21500

217	−15°	2161	7	52.1	−15	15.8	7.5	∧ ∨
218	−15°	2173	7	53.0	−15	17.2	9.1	∧ ∨
219	−15°	2190	7	54.3	−15	20.6	7.3	∧ ✓
220	−14°	2331	7	54.9	−14	51.2	7.3	∧ ∨
221	−15°	2201	7	55.2	−15	11.9	8.0	∧ ∨
222	−16°	2242	7	54.1	−16	10.5	8.8	∧ ∨
223	−16°	2243	7	54.2	−16	0.0	9.4	∧ ∨
224	−14°	2341	7	55.9	−14	52.4	9.0	∧ ∨
225	−14°	2339	7	55.8	−14	55.8	9.4	∧ ∨
226	−15°	2233	7	57.4	~~−14~~ −15	16.1	7.8	∧ ∨
227	−15°	2230	7	57.2	−15	28.2	8.5	∧ ∨
228	−15°	2240	7	58.0	−15	33.6	8.7	∧ ∨
229	−15°	2241	7	58.4	−15	30.7	8.2	∧ ∨
230	−14°	2332	7	54.9	−14	21.8	8.2	∧ ∨
231	−13°	2345	7	54.3	−13	44.4	7.5	∧ ∨
232	−13°	2337	7	53.1	−13	27.4	8.5	∧ ∨
233	−13°	2328	7	52.3	−13	30.0	8.0	∧ ∨
234	−14°	2310	7	52.2	−14	27.5	8.5	∧ ∨
235	−14°	2323	7	54.2	−14	36.7	9.1	∧ ∨
236	−14°	2309	7	51.8	−14	50.7	8.8	∧ ∨
237	−14°	2304	7	51.4	−14	15.0	7.8	∧ ∨
238	−14°	2302	7	51.2	−14	19.1	9.1	∧ ∨
239	−14°	2301	7	51.1	−14	13.0	8.5	∧ ∨
240	−14°	2292	7	50.5	−14	7.9	8.2	∧ ∨
241	−14°	2293	7	50.6	−14	13.0	8.0	∧ ∨
242	−14°	2281	7	49.5	−14	31.0	8.2	∧ ∨
243	−14°	2275	7	48.8	−14	20.6	8.7	∧ ∨

1 magn. 9.0 1
−14° 2340 superposed as well as −14° 2341 9.0

cards made out

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Thursday. May 1, 1913.

B10976 short disp.

No.	Int.	Class	Remark
244	1	ly	
245	5	K2	
246	2	A2	
247	8	K0	
248	2	A0	
249	1	A	
250	2	A0	
251	4	B9	
252	2	K5	
253	2	B9	Quarter star superposed at south.
254	1	g0	
255	1	K0	
256	3	F5	
257	10	F0	
258	1	K2	
259	4	K0	
260	2	K0	
261	7	K0	
262	10	ly	Burned out
263	7	K5	
264	2	F5	
265	1	K0	E.
266	7	F2	E.
267	3	F5	E.
268	9	g0	
269	1	K0	
270	1	A	

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1913phae.proj.2150C

244	-14°	2274	7	48.4	-14	15.3	8.7	∧ ∪
245	-15°	2143	7	49.9	-15	8.2	7.2	∧ ∪
246	-15°	2134	7	49.1	-15	16.3	9.1	∧ ∨
247	-15°	2133	7	49.0	-15	11.6	7.1	∧ ∨
248	-15°	2132	7	48.9	-15	1.9	8.9	∧ ∪
249	-14°	2277	7	49.1	-14	55.8	9.4	∧ ∪
250	-15°	2130	7	48.9	-15	27.8	8.7	∧ ∪
251	-15°	2128	7	48.8	-15	32.9	8.5	∧ ∨
252	-15°	2138	7	49.5	-15	~~48.4~~ 30.5	~~8.5~~	∧ ∨
253	-15°	~~2148~~ 2139	7	~~49.8~~ 49.5	-15	37.4 3.2	9.2	∧ ∨ -15° 2140 superposed magn. 9.2
254	-15°	2144	7	50.0	-15	43.7	8.9	∧ ∪
255	-14°	2260	7	46.5	-14	38.6	8.9	∧ ∨
256	-14°	2258	7	46.4	-14	39.0	9.0	∧ ∨
257	-14°	2250	7	45.6	-14	28.6	6.3	∧ ∪
258	-14°	2248	7	45.4	-14	31.0	8.7	∧ ∨
259	-13°	2277	7	46.3	-13	40.9	8.2	∧ ∨
260	-13°	2274	7	46.1	-13	31.1	8.5	∧ ∪
261	-13°	2270	7	45.7	-13	29.4	7.2	∧ ∨
262	-13°	2267	7	45.1	-13	30.9	5.7	∧ ∨
263	-13°	2247	7	43.0	-13	43.2	7.2	∧ ∨
264	-13°	2250	7	43.1	-13	23.8	8.8	∧ ∪
265	-13°	2305	7	49.1	-13	16.9	8.6	∧ ∨
266	-13°	2304	7	49.0	-13	21.2	7.8	∧ ∨
267	-12°	2208	7	48.2	-12	54.0	8.1	∧ ∪
268	-19°	2085	7	43.4	-19	~~47.1~~ 50.0	~~8.7~~ 6.9	∧ ∪
269	-19°	2076	7	42.1	-19	53.4	8.7	∧ ∪
270	-19°	2073	7	42.0	-19	34.2	9.3	∧ ∪

cards read out

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1913phae.proj.2150C

Thursday, May 1, 1913.
B18976 clear & calm.

No.	Int.	Class	Remark
271	1	F2	
272	2	A0	
273	7	B9	
274	1	F0	
275	1	F?	Too much superposed on 274 b
276	5	A0	
277	2	B3	Lines too indistinct.
278	2	A0	
279	2	F5	
280	7	A0	
281	4	A0	
282	2	A0	
283	1	G5	
284	2	A0	Another star superposed at north.
285	2	A0	
286	20	A2	
287	1	F0	
288	8	B8	
289	10	F0	
290	8	F2	
291	3	A0	
292	1	A5	Partly superposed on 291.
293	2	F5	
294	2	A2	
295	3	A0	
296	1	A3	
297	10	A0	

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1913phae.proj.2150C

271	−20°	2191	7	41.1	−20	25.9	8.5	∧ ∨
272	−20°	2186	7	41.0	−20	22.8	8.9	∧ ∨
273	−20°	2181	7	40.4	−20	28.5	7.2	∧ ∨
274	−20°	2172	7	39.8	−20	24.6	8.5	∧ ∨
275	−20°	2166	7	39.6	−20	17.3	8.5	∧ ∨
276	−20°	2167	7	39.6	−20	20.4	8.5	∧ ∨
277	−20°	2159	7	38.9	−20	28.0	8.5	∧ ∨
278	−20°	2156	7	38.6	−20	42.6	8.7	∧ ∨
279	−20°	2149	7	37.7	−20	41.6	8.6	∧ ∨
280	−20°	2145	7	37.3	−20	56.2	8.0	∧ ∨
281	−20°	2133	7	36.5	−20	7.6	8.5	∧ ∨
282	−20°	2131	7	36.3	−20	21.2	9.3	∧ ∨ magn. 9.3 −20° 2132 superposed
283	−20°	2134	7	36.5	−20	16.9	8.9	∧ ∨
284	−19°	2017	7	35.9	−19	21.3	9.4	∧ ∨ magn. 9.2 −19° 2016 superposed
285	−19°	2034	7	37.6	−19	13.0	9.1	∧ ∨
286	−19°	2036	7	37.9	−19	36.6	9.1	∧ ∨
287	−19°	2031	7	37.3	−19	34.6	9.1	∧ ∨
288	−20°	2211	7	43.2	−20	55.0	7.9	∧ ∨
289	−20°	2235	7	45.4	−20	48.2	5.6	∧ ∨
290	−20°	2236	7	45.5	−20	20.9	7.4	∧ ∨
291	−20°	2251	7	46.6	−20	37.8	8.7	∧ ∨
292	−20°	2253	7	46.7	−20	41.5	9.2	∧ ∨
293	−20°	2260	7	47.6	−20	39.6	8.2	∧ ∨
294	−20°	2266	7	48.3	−20	22.4	9.2	∧ ∨
295	−19°	2133	7	48.0	−19	46.1	9.2	∧ ∨
296	−20°	2265	7	48.2	−20	7.4	9.2	∧ ∨
297	−20°	2284	7	50.0	−20	4.7	7.1	∧ ∨

cards made out

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1913phae.proj.2150C

Thursday, May 1, 1913.

B 109.76 short disp.

No.	Int.	Class	Remark
298	1	A0	
299	2	A2	
300	3	Ma	
301	2	F2	
302	4	F0	
303	2	K5	
304	1	K5	
305	5	A0	
306	8	A0	
307	4	A2	
308	1	G	
309	1	K5	
310	2	A0	
311	4	A0	
312	6	K2	
313	6	K3	
314	3	F0	
315	4	A0	
316	5	A2	
317	2	F8	
318	3	A0	
319	3	K0	
320	9	A0	
Time: 11.42	321	2	A3	Partly superposed on 315.
	322			
	323			
	324			

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1913phae.proj.2150C

298	−19°	2148	7	50.0	−19	54.5	9.1	∧ ∨
299	−19°	2139	7	49.3	−19	33.8	9.2	∧ ∨
300	−20°	2302	7	51.5	−20	2.2	7.7	∧ ∨
301	−20°	2300	7	51.5	−20	7.7	9.0	∧ ∨
302	−20°	2305	7	51.9	−20	12.7	8.5	∧ ∨
303	−19°	2172	7	52.7	−19	57.6	8.4	∧ ∨
304	−20°	2324	7	53.4	−20	3.4	8.7	∧ ∨
305	−20°	2344	7	55.5	−20	5.5	8.5	∧ ∨
306	−19°	2205	7	56.1	−19	55.0	7.9	∧ ∨
307	−20°	2353	7	56.5	−20	4.0	8.8	∧ ∨
308	−19°	2200	7	55.6	−19	15.5	9.1	∧ ∨
309	−19°	2204	7	55.7	−19	4.0	9.1	∧ ∨
310	−18°	2151	7	57.4	−18	52.2	9.0	∧ ∨
311	−18°	2154	7	57.6	−18	57.7	8.7	∧ ∨
312	−18°	2155	7	58.0	−18	34.3	8.0	∧ ∨
313	−18°	2159	7	58.8	−18	59.2	8.7	∧ ∨
314	−18°	2160	7	58.8	−18	21.7 +5.0	9.3	∧ ∨
315	−18°	2161	7	58.9 ~~59.0~~ ~~0.0~~	−18	15.0 +4.1	9.1	∧ ∨
316	−18°	2162	7	58.9	−18	0.4	8.8	∧ ∨
317	−17°	2318	7	58.5	−17	55.6	9.2	∧ ∨
318	−17°	2324	7	59.2	−17	42.0	9.0	∧ ∨
319	−17°	2326	7	59.4	−17	54.1	8.5	∧ ∨
320	−17°	2331	7	59.8	−17	57.8	7.8	∧ ∨
321	−18°	2163	7	59.0	−18	14.1	9.3	∧ ∨

Identified by Ame. June 13, 1913.
Checked. July. 7. 1913 L.D.W.
cards made out by M.C.W.

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1913phae.proj.2150C

Thursday, May 1, 1913.

Time: 11.43 B20857 short disp. 8 10 -17.0

No.	Int.	Class	Remark
1	1	F5	
2	3	K0	
3	5	K0	
4	3	B5	
5	2	K5	
6	1	A0	
7	3	K0	
8	3	A2	
9	7	G5	
10	9	K0	
11	3	B5	
12	2	A0	
13	3	G0	
14	2	F0	
15	1	A0	
16	1	A5	Partly superposed on 15.
17	2	K2	
18	3	A2	
19	2	A0	
20	1	A3	
21	1	K0	
22	2	A2	
23	2	A0	
24	2	F5	
25	3	A5	
26	3	A2	
27	2	A0	

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1913phae..proj..21500

1	−14°	2359	7	58.2	−14	58.9	8.8	∧ ✓
2	−15°	2243	7	58.6	−15	12.5	8.3	∧ ✓
3	−15°	2261	8	0.3	−15	23.3	7.8	∧ ✓
4	−15°	2250	7	59.1	−15	57.2	9.0	∧ ✓
5	−15°	2253	7	59.3	−15	59.4	7.8	∧ ✓
6	−16°	2290	7	59.8	−16	2.5	9.4	∧ ✓
7	−16°	2291	7	59.9	−16	46.8	8.5	∧ ✓
8	−16°	2289	7	59.8	−16	56.1	9.0	∧ ✓
9	−16°	2295 ~~2304~~	~~8~~ 8	1 ~~0.7~~	−16	52.8 ~~57.3~~	8.0 ~~6.8~~	∧ ✓
10	−16°	2304	8	0.7	−16	57.3	6.8	∧ ✓
11	−17°	2333	8	0.2	−17	25.4	9.0	∧ ✓
12	−17°	2339	8	0.9	−17	27.7	9.3	∧ ✓
13	−17°	2337	8	0.8	−17	36.4	8.7	∧ ✓
14	−17°	2340	8	1.1	−17	10.7	9.1	∧ ✓
15	−17°	2345	8	1.6	−17	12.1	9.7	∧ ✓
16	−17°	2344	8	1.5	−17	15.2	9.4	∧ ✓
17	−16°	2319	8	2.7	−16	56.1	8.6	∧ ✓
18	−16°	2323	8	3.2	−16	32.3	9.0	∧ ✓
19	−16°	2328	8	3.9	−16	18.2	9.2	∧ ✓
20	−16°	2337	8	4.8	−16	36.5	9.0	∧ ✓
21	−16°	2341	8	5.2	−16	18.5	8.6	∧ ✓
22	−16°	2344	8	5.5	−16	27.7	9.1	∧ ✓
23	−16°	2339	8	5.1	−16	37.9	9.2	∧ ✓
24	−16°	2345	8	5.6	−16	0.0	8.8	✓
25	−15°	2319	8	6.2	−15	47.0	8.9	∧ ✓
26	−16°	2350	8	6.6	−16	11.1	8.7	∧ ✓
27	−15°	2315	8	5.9	−15	32.1	9.1	∧ ✓

Cards made out

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1913phae.proj.2150C

Thursday. May 1, 1913.

B 20857 about disp.

No.	Int	Class	Remark
28	10	$g5^-$	Burned out
29	5	A_0	Partly superposed on 30.
30	5	A_0	B " " " 29
31	2	F_8	
32	1	F_5	
33	2	A_3	
34	1	g_0	
35	1	g_5	
36	1	A	
37	1	K_0	
38	1	K_5	
39	3	g_0	
40	8	B8	
41	2	g_5^-	
42	3	A_0	
43	10+	A	Burned out. Maybe B.
44	1	K_0	
45	2	g_5	
46	4	A_0	
47	3	g_5^-	
48	1	g_5^-	
49	2	A_0	
50	3	Ma	
51	2	K_0	
52	4	K_0	
53	6	K_0	
54	5	B3	

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1913phae..proj..2150c

28	−15°	2324	8	6.7	−15	21.3	5.4	∧ ∨
29	−15°	2310	8	5.4	−15	13.7	8.6	∧ ∪
30	−15°	2309	8	5.4	−15	13.4	8.6	∧ ∪
31	−15°	2307	8	5.2	−15	5.8	8.8	∧ ∪
32	−15°	2305	8	5.1	−15	18.9	9.1	∧ ∨ −15° 2306 9.2 superposed
33	−15°	2297	8	4.3	−15	29.5	9.0	∧ ∪
34	−15°	2304	8	4.9	−15	41.5	9.0	∧ ∪
35	−15°	2300	8	4.6	−15	53.1	8.7	∧ ∨
36	−15°	2299	8	4.6	−15	50.7	9.2	∧ ∪
37	−16°	2334	8	4.5	−16	9.9	8.6	∧ ∪
38	−15°	2292	8	3.6	−15	47.4	8.9	∧ ∨
39	−15°	2288	8	3.4	−15	16.6	8.7	∧ −15° 2289 magn. 9.3 superposed
40	−15°	2278	8	2.6	−15	8.9	7.3	∧ ∨
41	−15°	2271	8	2.1	−15	16.2	8.3	∧ ∨
42	−15°	2274	8	2.3	−15	33.4	8.5	∧ ∪
43	−15°	2280	8	2.8	−15	49.4	5.6	∧ ∨
44	−15°	2284	8	3.1	−15	36.0	8.9	∧ ∨
45	−16°	2310	8	1.4	−16	35.7	9.0	∧ ∪
46	−14°	2385	8	1.8	−14	48.5	8.5	∧ ∪
47	−14°	2388	8	2.0	−14	48.7	8.4	∧ ∨
48	−14°	2389	8	2.0	−14	48.7	8.6	∧ ∨
49	−14°	2395	8	3.0	−14	37.3	9.3	∧ ∪
50	−14°	2393	8	2.4	−14	9.4	8.0	∧ ∨
51	−14°	2398	8	3.3	−14	11.4	8.3	∧ ∨
52	−13°	2426	8	4.6	−13	56.3	8.0	∧ ∨
53	−14°	2404	8	4.8	−14	0.6	8.2	∧ ∪
54	−14°	2406	8	5.2	−14	14.4	9.0	∧ ∨

Cards made out

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1913phae.proj.2150C

Thursday, May 1, 1913.
B 20857 plus disp.

No	Int.	Class	Remark
55	5	A0	
56	5	K2	
57	6	B9	
58	2	A0	
59	2	A2	
60	2	A2	
61	4	A2	
62	6	A5	
63	3	A5	
64	4	Ma	
65	1	G5	
66	1	F5	
67	6	K0	
68	4	A0	
69	2	K0	
70	2	A0	
71	4	K0	
72	2	K5	
73	2	A3	
74	10	A2	
75	2	A0	
76	1	K5	
77	3	F0	
78	6	K0	
79	2	G5	
80	5	K2	
81	4	A0	

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1913phae.proj.2150C

55	−14°	2420	8	6.1	−14	8.6	8.8	∧∨
56	−14°	2424	8	6.4	−14	20.1	8.3	∧∫
57	−14°	2417	8	5.9	−14	50.3	8.8	∧∫ −14° 2416 magn. 9.8 superposed
58	−15°	2332	8	7.6	−15	13.4	9.1	∧∫
59	−15°	2339	8	8.0	−15	6.7	9.4	∧∫
60	−15°	2337	8	7.8	−15	20.2	9.0	∧∫
61	−15°	2333	8	7.6	−15	36.1	8.7	∧∫
62	−15°	2334	8	7.7	−15	44.7	8.3	∧∫
63	−15°	2344	8	8.8	−15	41.9	8.9	∧∫
64	−15°	2343	8	8.6	−15	59.1	8.1	∧∫
65	−16°	2368	8	8.8	−16	12.1	8.7	∧∫
66	−16°	2374	8	9.6	−16	0.0	9.0	∧∫
67	−15°	2356	8	9.8	−15	52.6	7.7	∧∫
68	−15°	2357	8	10.2	−15	47.5	8.7	∧∫
69	−16°	2376	8	10.0	−16	11.9	8.2	∧∫
70	−16°	2379	8	10.3	−16	28.3	9.1	∧∫
71	−16°	2387	8	11.4	−16	24.8	8.0	∧∫
72	−16°	2389	8	11.6	−16	20.9	8.5	∧∫
73	−16°	2382	8	10.7	−16	0.0	8.8	∧∫
74	−15°	2362	8	10.7	−15	50.3	6.3	∧∫
75	−15°	2369	8	11.5	−15	38.3	9.0	∧∫
76	−15°	2368	8	11.5	−15	27.1	8.6	∧∫
77	−15°	2365	8	11.1	−15	20.8	8.5	∧∫
78	−15°	2351	8	9.5	−15	14.6	7.1	∧∫
79	−14°	2454	8	10.0	−14	51.0	9.3	∧∫
80	−14°	2456	8	10.2	−14	42.5	4.0	∧∫
81	−14°	2457	8	10.2	−14	30.1	8.5	∧∫

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1913phae.proj.2150C

Thursday, May 1, 1913.
B2085 7 slant disp.

No.	Int.	Class	Remark
82	3	A0	
83	2	A5	
84	8	B8	
85	9	A0	
86	5	F2	
87	7	A3	
88	1	K0	
89	3	G5	
90	1	F5	
91	6	F0	
92	1	A3	
93	4	A2	
94	2	A2	
95	6	B9	
96	3	K2	
97	1	K2	
98	2	K5	
99	2	A2	
100	10	K0	Time: 11.57 May 2. 1913.
101	3	F5	Time: 10.05
102	1	A0	
103	1	A2	
104	5	A0	
105	4	A3	
106	6	F5	
107	2	G5	
108	3	A2	

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1913phxe.proj.21500

82	−14°	2452	8	9.9	−14	30.4	9.0 ∧ ∫
83	−14°	2447	8	9.5	−14	32.5	9.1 ∧ ∫
84	−14°	2460	8	11.3	−14	31.6	8.0 ∧ ∫
85	−14°	2466	8	11.9	−14	7.1	7.1 ∧ ∨
86	−14°	2474	8	13.3	−14	9.3	8.1 ∧ ∫
87	−13°	2491	8	14.0	−13	54.6	7.5 ∧ ∫
88	−14°	2471	8	12.5	−14	35.3	8.8 ∧ ∫
89	−15°	2378	8	13.0	−15	3.5	8.0 ∧ ∫
90	−15°	2382	8	13.6	−15	7.6	9.0 ∧ ∫
91	−15°	2388	8	14.2	−15	3.5	8.0 ∧ ∫
92	−15°	2389	8	14.5	−15	8.3	9.2 ∧ ∫
93	−15°	2387	8	15.3	−15	24.3	8.4 ∧ ∨
94	−15°	2379	8	13.1	−15	50.4	8.7 ∧ ∫
95	−16°	2395	8	12.6	−16	24.5	8.3 ∧ ∨
96	−16°	2405	8	14.6	−16	32.9	8.3 ∧ ∫
97	−16°	2410	8	15.0	−16	17.9	8.6 ∧ ∫
98	−16°	2404	8	14.3	−16	54.1	8.0 ∧ ∨
99	−17°	2461	8	14.7	−17	17.1	8.8 ∧ ∫
100	−17°	2464	8	15.3	−17	7.5	6.0 ∧ ∫
101	−17°	2466	8	15.5	−17	31.2	8.6 ∧ ∫
102	−17°	2465	8	15.4	−17	45.5	9.3 ∧ ∫
103	−17°	2462	8	15.1	−17	53.8	9.0 ∧ ∫
104	−18°	2291	8	14.5	−18	27.9	8.8 ∧ ∫
105	−18°	2292	8	14.5	−18	37.5	9.0 ∧ ∨
106	−18°	2287	8	14.3	−18	49.2	8.5 ∧ ∫
107	−18°	2290	8	14.5	−18	48.0	8.8 ∧ ∨
108	−18°	2302	8	15.8	−18	25.0	9.0 ∧ ∫

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1913phae.proj.2150C

Friday, May 2, 1913.

B20857 short disp

No	Int.	Class	Remark
109	8	Bg	
110	3	F0	
111	1	K	
112	2	Ky	
113	4	F2	
114	2	A2	
115	10	K0	
116	2	K5	
117	2	A3	
118	1	A2	
119	2	Ky	
120	2	F0	
121	1	K2	
122	1	K	
123	3	A2	
124	3	Bg	
125	1	K	
126	5	F2	
127	3	K0	
128	5	K0	
129	2	Ky5	
130	2	A	Partly superposed on 131.
131	10	A3	
132	5	A0	
133	3	A2	
134	3	K5	
135	1	K8	

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1913phae.proj.2150c

109	−18°	2310	8	16.8	−18	29.3	8.2
110	−18°	2309	8	16.7	−18	14.4	8.6
111	−18°	2308	8	16.5	−18	15.4	9.0
112	−17°	2475	8	17.0	−17	46.6	9.0
113	−17°	2477	8	17.6	−17	42.1	8.6
114	−17°	2485	8	18.9	−17	11.4	9.3
115	−16°	2442	8	19.0	−16	57.9	6.7
116	−16°	2440	8	18.8	−16	30.8	8.2
117	−16°	2438	8	18.4	−16	19.1	9.0
118	−16°	2435	8	18.2	−16	42.4	9.4
119	−16°	2429	8	17.5	−16	25.1	9.0
120	−16°	2427	8	17.3	−16	37.7	8.7
121	−16°	2424	8	16.8	−16	11.5	8.4
122	−15°	2409	8	16.4	−15	56.1	8.7
123	−16°	2416	8	16.0	−16	6.0	9.0
124	−15°	2405	8	16.2	−15	40.4 / 27.5	8.8
125	−16°	2417	8	16.1	−16	17.4	8.7
126	−15°	2417	8	17.3	−15	19.9	8.0
127	−15°	2419	8	17.8	−15	5.6	8.0
128	−14°	2504	8	17.9	−14	59.3	7.3
129	−14°	2505	8	18.0	−14	43.3	8.7
130	−14°	2511	8	18.3	−14	41.8	8.8
131	−14°	2510	8	18.3	−14	49.5	7.3
132	−14°	2515	8	19.1	−14	57.5	8.0
133	−15°	2436	8	20.0	−15	25.2	8.5
134	−15°	2441	8	20.4	−15	10.5	7.4
135	−15°	2432	8	19.6	−15	35.5	8.7

$\Delta\alpha_{1900}$ −16 $\Delta\delta_{1900}$ 36 9.3 superposed.

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1913phae.proj.2150C

Friday, May 2, 1913.

B3.20854 short disp.

No.	Int.	Class	Remark
136	1	K5	
137	2	A0	
138	2	K0	E.
139	7	A0	E.
140	5	K0	E.
141	1	K	E.
142	2	K5	
143	3	A2	
144	9	A0	
145	2	G5	
146	5	F2	
147	2	A0	Another Sac superposed on fol. edge.
148	1	K5	
149	4	G0	
150	8	K0	
151	1	A	
152	3	F5	
153	2	A	
154	2	F	Focus very poor. ; Umist.
155	2	A2	
156	3	A0	
157	5	B8	
158	1	A	Nearly all superposed on 157.
159	1	K5	
160	4	B5	
161	5	K0	
162	6	A0	

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1913phae.proj.2150C

136	−15°	2421	8	18.1	−15	48.7	8.6	∧ ✓
137	−15°	2439	8	20.1	−15	35.4	8.9	∧ ✓
138	−15°	2445	8	20.9	−15	29.1	8.6	∧ ✓
139	−15°	2446	8	21.0	−15	49.0	8.3	∧ ✓
140	−16°	2457	8	21.2	−16	23.8	8.0	∧ ✓
141	−16°	2461	8	21.7	−16	14.7	8.8	∧ ✓
142	−17°	2493	8	19.7	−17	35.7	8.2	∧ ✓
143	−17°	2491	8	19.6	−17	40.9	8.8	∧ ✓
144	−17°	2497	8	20.2	−17	41.8	7.3	∧ ✓
145	−17°	2500	8	20.4	−17	41.2	8.7	∧ ✓
146	−18°	2324	8	18.4	−18	16.8	8.5	∧ ✓
147	−18°	2317	8	17.4	−18	6.4	9.1	∧ ✓ mags 9.1 −18° 2318 superposed
148	−18°	2312	8	17.0	−18	38.5	9.1	∧ ✓
149	−18°	2313	8	17.1	−18	51.7	8.8	∧ ✓
150	−18°	2319	8	17.6	−18	39.9	7.2	∧ ✓
151	−18°	2169	8 7	59.8	−18	19.2	9.5	∧ ✓
152	−18°	2167	8 7	59.7	−18	39.0	9.0	∧ ✓
153	−18°	2165	8 7	59.4	−18	54.7	9.1	∧ ✓
	−19	2237	7	59.3	−19	0.8	9.5	
154	−19°	2238	7	59.4	−19	1.6	9.3	✓
155	−18°	2174	8	0.4	−18	58.2	9.3	∧ ✓
156	−18°	2180	8	1.2	−18	45.7	9.1	∧ ✓
157	−18°	2182	8	1.3	−18	44.8	8.7	∧ ✓
158	−18°	2183	8	1.4	−18	39.9	9.1	∧ ✓
159	−18°	2186	8	2.1	−18	53.3	9.0	∧ ✓
160	−18°	2190	8	2.6	−18	49.3	4.5	∧ ✓ trail
161	−19°	2261	8	2.2	−19	25.1	8.3	∧ ✓
162	−19°	2264	8	2.4	−19	17.2	8.8	∧ ✓

Two stars superposed. Which is the star observed?

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1913phae.proj.2150C

Friday, P May 2, 1913.
P20857 short disp.

No.	Gnt.	Class	Remark
163	3	Ao	
164	2	Ao	
165	1	Ao	
~~165a~~			
166	6	Ly5	
167	1	K2	
168	2	K2	
169	3	Bg	
170	1	K	
171	5	Ao	
172	1	A	
173	2	K0	
174	2	Ly0	
175	1	A	
176	1	Ly5	
177	7	Ao	
178	5	F8	
179	1	F8	
180	4	A2	
181	5	Ao	
182	2	Ao	
183	1	F5	
184	6	Ao	
185	2	Ao	
186	1	Bg	
187	1	Ly5	
188	6	A2	
189	1	A	

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1913phae.proj.2150C

163	−19°	2273	8	3.4	−19	14.5	9.0	∧∨
164	−18°	2197	8	3.7	−18	48.3	9.3	∧
165	−18°	2202	8	4.3	−18	40.5	9.5	∧∨
166	−17°	2378	8	4.5	−17	56.3	8.0	∧∨
167	−17°	2377	8	4.3	−17	49.7	9.0	∧∨
168	−17°	2372	8	3.8	−17	45.8	8.2	∧
169	−17°	2367	8	3.4	−17	53.3	8.7	∧∨
170	−17°	2362	8	3.1	−17	57.5	9.1	∧
171	−17°	2352	8	2.1	−17	58.9	8.5	∧
172	−17°	2356	8	2.2	−17	42.6	9.4	∧∨
173	−17°	2371	8	3.7	−17	29.7	8.7	∧
174	−17°	2363	8	3.2	−17	17.5	9.0	∧∨
175	−17°	2359	8	2.6	−17	6.7	9.5	∧∨
176	−16°	2329	8	3.9	−16	56.5	9.0	∧∨
177	−16°	2352	8	7.0	−16	41.6	8.5	∧
178	−17°	2399	8	7.4	−17	13.8	8.3	∧
179	−17°	2397	8	7.1	−17	14.0	9.2	∧
180	−17°	2404	8	8.0	−17	18.5	9.0	∧∨
181	−17°	2408	8	8.4	−17	5.2	8.7	∧
182	−16°	2373	8	9.4	−16	55.6	9.0	∧
183	−17°	2418	8	9.7	−17	14.3	9.0	∧∨
184	−17°	2417	8	9.6	−17	24.8	8.5	∧
185	−17°	2412	8	9.1	−17	43.8	9.0	∧∨
186	−17°	2409	8	8.5	−17	42.2	9.2	∧∨
187	−17°	2400	8	7.4	−17	43.2	9.0	∧
188	−18°	2229	8	7.0	−18	25.5	8.2	∧
189	−18°	2227	8	6.8	−18	20.8	9.4	∧

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1913phae.proj.2150C

Friday, May 2, 1913.
B 20857 short exps.

No.	Int.	Class	Remark
190	3	Ly	
191	4	A2	
192	2	K5	
193	2	A2	
194	3	B9	
195	2	F8	
196	1	K5	
197	4	K2	
198	2	A2	
199	4	F0	
200	5	A2	
201	3	A3	
202	7	F0	
203	1	K0	
204	4	A0	
205	2	K0	
206	5	A0	
207	1	A0	
208	1	F8	
209	1	A0	
210	3	F0	
211	2	K2	
212	1	G5	
213	2	G5	
214	2	A0	
215	2	F0	
216	3	Ma	

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1913phae.proj.2150C

190	−18°	2228	8	6.8	−18	35.0	8.9
191	−18°	2233	8	7.5	−18	32.8	8.9
192	−18°	2216	8	6.0	−18	56.1	8.8
193	−18°	2219	8	6.2	−18	59.3	9.4
194	−18°	2222	8	6.5	−18	57.3	9.3
195	−18°	2223	8	6.5	−18	58.1	9.5
196	−19°	2289	8	6.6	−19	1.2	8.9
197	−19°	2293	8	6.7	−19	1.2	8.8
198	−19°	2285	8	6.0	−19	13.3	9.3
199	−19°	2298	8	7.4	−19	13.5	8.8
200	−19°	2300	8	7.5	−19	13.8	9.1
201	−19°	2303	8	7.7	−19	12.6	9.1
202	−19°	2305	8	7.9	−19	11.3	8.3
203	−18°	2240	8	8.6	−18	56.9	9.0
204	−18°	2244	8	9.6	−18	44.9	9.3
205	−18°	2242	8	9.2	−18	27.0	8.7
206	−18°	2248	8	10.0	−18	7.9	9.0
207	−17°	2414	8	9.4	−17	59.9	9.2
208	−17°	2419	8	9.9	−17	47.4	9.1
209	−17°	2423	8	10.3	−17	24.9	9.3
210	−17°	2429	8	11.5	−17	59.7	8.8
211	−18°	2261	8	11.3	−18	12.0	8.7
212	−18°	2256	8	11.0	−18	20.4	8.8
213	−18°	2260	8	11.2	−18	40.4	9.1
214	−18°	2271	8	12.2	−18	34.2	9.2
215	−18°	2276	8	12.6	−18	36.2	9.3
216	−18°	2277	8	12.7	−18	0.6	8.0

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1913phae.proj.2150C

Friday, May 2, 1913.

B 20857 short exps.

	No.	Int.	Class	Remark
	217	2	N	3, 6, 10.
	218	3	A3	
	219	2	A2	
	220	2	A0	
	221	3	A0	
	222	1	A	
	223	1	K5	
	224	3	K5	
	225	2	M5	
	226	1	A	
	227	4	K5	
	228	4	M0	
	229	7	M5	
	230	3	M5	
	231	5	A3	
	232	2	A0	
	233	6	A0	
	234	6	A0	
	235	3	M5	
10.30	236	5	M0	
10.32	237	4	A0	
	238	4	M2	
	239	2	M5	
	240	3	A2	
	241	4	M8	
	242	4	K0	
	243	5	M0	

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217	−17°	2442	8	13.2	−17	48.9	9.1
218	−17°	2444	8	13.3	−17	40.0	9.0
219	−17°	2437	8	12.4	−17	32.9	9.0
220	−17°	2453	8	14.0	−17	23.1	9.2
221	−17°	2455	8	14.1	−17	32.2	9.1
222	−17°	2459	8	14.5	−17	39.0	9.4
223	−19°	2357	8	13.1	−19	11.7	9.3
224	−19°	2363	8	13.7	−19	17.5	8.7
225	−19°	2359	8	13.3	−19	40.0	9.0
226	−19°	2361	8	13.5	−19	36.7	9.5
227	−19°	2364	8	13.9	−19	38.0	8.7
228	−19°	2362	8	13.7	−19	49.2	9.0
229	−19°	2368	8	14.9	−19	5.6	8.5
230	−18°	2297	8	14.9	−18	55.7	9.0
231	−19°	2348	8	12.1	−19	31.0	8.9
232	−19°	2345	8	11.8	−19	19.4	9.3
233	−19°	2344	8	11.7	−19	44.6	8.8
234	−19°	2338	8	10.8	−19	41.8	9.1
235	−19°	2335	8	10.3	−19	28.5	8.5
236	−19°	2327	8	10.0	−19	35.5	8.2
237	−20°	2470	8	10.7	−20	15.4	9.0
238	−20°	2466	8	10.2	−20	34.6	8.3
239	−20°	2446	8	7.1	−20	8.5	8.7
240	−20°	2436	8	6.0	−20	3.8	9.3
241	−20°	2432	8	5.6	−20	10.5	9.0
242	−19°	2281	8	5.1	−19	52.0	8.5
243	−20°	2419	8	4.3	−20	13.9	8.7

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1913phae.proj.2150C

Friday, May 2, 1913.
B 20857 short disp.

Nr.	Int	Class	Remark
244	3	A_0	
245	3	K_0	
246	2	K_2	
247	3	A_0	
248	3	A	Partly superposed on 249.
249	7	A_5	
250	3	K_0	
251	5	A_2	
252	3	A_0	
253	2	A_5	Another star superposed at south.
254	2	A	E.
255	1	A	E.
256	2	A_2	
257	1	K_0	
258	8	B_9	
259	1	F_0	
260	4	A_2	
261	1	K_5	
262	1	F_0	Time: 10.40
263			
264			
263	2	F_5	

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1913phae..proj.2150C

244	−20°	2417	8	4.1	−20	0.2	9.3	N
245	−20°	2416	8	3.9	−20	29.0	9.0	N
246	−20°	2411	8	3.4	−20	22.7	9.0	N
247	−19°	2272	8	3.3	−19	49.7	9.2	N
248	−19°	2271	8	3.3	−19	43.7	9.2	N
249	−19°	2269	8	3.2	−19	48.2	8.7	N
250	−19°	2276	8	4.0	−19	36.4	8.7	N
251	−19°	2278	8	4.2	−19	13.4	9.0	N
252	−19°	2277	8	4.1	−19	23.1	9.1	N
253	−19°	2270	8	3.2	−19	2.9	9.3	N

magn. 9.3
−19° 2268 superposed

254	−19°	2253	8	1.0	−19	47.9	9.3	N
255	−19°	2246	8	0.1	−19	41.8	9.0	N
256	−18°	2342	8	20.3	−18	15.7	8.8	N
257	−18°	2338	8	20.0	−18	19.1	9.1	N
258	−18°	2340	8	20.2	−18	22.7	8.0	N
259	−18°	2344	8	20.4	−18	19.4	8.9	N
260	−18°	2337	8	20.0	−18	50.6	9.1	N
261	−19°	2403	8	19.6	−19	8.1	8.8	N
262	−18°	2333	8	19.5	−18	51.1	9.1	N

Identified by AmC. June 20, 1913
Checked July 26. 1913. D.D.W.
cards made out by M.C.W.

263	−14°	2372	8	0.0	−14	27	8.7	219 on B20896

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1913phae.proj.2150C

Friday, May 2, 1913.

Time: 10.42

B1830 2 short exps.

No	Int.	Class	Remark
1	2	K0	
2	4	K0	
3	3	A0	
4	1	A0	
5	1	K5	
6	6	B9	
7	1	A0	
8	4	K5	
9	2	A0	
10	2	A2	Another star superposed on fol. side.
11	4	F5	
12	1	A0	
13	5	A2	
14	2	K2	
15	3	A0	
16	1	K0	
17	2	F0	
18	2	F5	
19	2	A2	
20	1	A0	
21	2	G5	
22	4	A0	
23	4	A5	
24	3	G0	
25	2	A5	
26	1	K5	
27	1.	G	Faulty superposed on 26.

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1913phae.proj.2150C

1	−20°	2454	8	8.7	−20	54.1	8.5	✓
2	−21°	2339	8	8.6	−21	13.6	8.2	✓
3	−21°	2348	8	9.8	−21	36	8.7	✓
4	−21°	2361	8	10.7	−21	10.4	9.1	✓
5	−21°	2362	8	11.0	−21	23.1	8.7	✓
6	−21°	2366	8	11.5	−21	20.9	8.7	✓
7	−20°	2479	8	12.0	−20	58.2	9.3	✓
8	−20°	2488	8	13.1	−20	47.7	8.0	✓
9	−20°	2480	8	12.3	−20	5.6	8.7	✓
10	−19°	2346	8	11.9	−19	49.0	9.0	✓ −19 2347 mags 9.0 superposed
11	−21°	2389	8	14.2	−21	17.2	8.3	✓
12	−20°	2495	8	14.7	−20	45.5	9.2	✓
13	−20°	2504	8	15.8	−20	54.5	8.5	✓
14	−20°	2507	8	16.0	−20	33.0	8.5	✓
15	−20°	2506	8	15.9	−20	22.2	9.0	✓
16	−20°	2510	8	16.5	−20	18.0	8.6	✓
17	−19°	2375	8	15.4	−19	37.4	8.8	✓
18	−19°	2386	8	17.0	−19	17.3	8.9	✓
19	−19°	2400	8	19.4	−19	30.8	8.7	✓
20	−19°	2394	8	18.0	−19	57.2	9.2	✓
21	−20°	2521	5	18.8 9	−20	16.7	8.7	✓
22	−20°	2520	8	18.6	−20	59.9	8.5	✓
23	−21°	2423	8	18.7	−21	9.7	8.5	✓
24	−21°	2427	8	19.0	−21	6.0	8.5	✓
25	−20°	2517	8	17.7	−20	49.6	9.0	✓
26	−20°	2511	8	17.2	−20	41.4	8.9	✓
27	−20°	2512	8	17.3	−20	36.1	8.9	✓

cards made out

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1913phae.proj.2150C

Friday, May 2, 1913.

B 18302 short drop

No.	Int.	Class	Remarks
28	2	K0	
29	3	A2	
30	5	F5	
31	2	F5	Nearly all superposed on 30.
32	2	A5	
33	4	F8	
34	3	A3	
35	4	A2	
36	2	K5	
37	3	F0	
38	4	G5	
39	3	Comp. Southern star = A2. Northern = K.	
40	2	K0	
41	3	F0	
42	7	A2	
43	5	A3	
44	2	A0	
45	1	A	
46	4	A0	
47	4	A2	
48	2	B9	
49	2	A0	
50	1	B	
51	2	K0	
52	5	A0	
53	9	A0	
54	9	B5	Another star superposed on pr. side.

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1913phae.proj.2150C

28	-21°	2410	8	16.9	-21	7.1	8.7	✓
29	-21°	2409	8	16.6	-21	7.3	9.0	✓
30	-21°	2405	8	16.3	-21	40.4	8.4	✓
31	-21°	2407	8	16.3	-21	40.2	8.5	✓
32	-22°	2249	8	16.9	-22	0.6	9.0	✓
33	-21°	2417	8	18.0	-21	54.8	8.2	✓
34	-22°	2256	8	18.1	-22	25.1	9.0	✓
35	-22°	2265	8	19.6	-22	14.5	9.0	✓
36	-22°	2268	8	19.9	-22	35.8	8.8	✓
37	-22°	2271	8	20.2	-22	37.2	9.0	✓
38	-23°	7305	8	20.8	-23	12.0	8.2	✓
39	-23°	7316	8	21.4	-23	24.2	8.2	✓
40	-23°	7320	8	21.7	-23	25.4	8.5	✓
41	-23°	7329	8	22.0	-23	45.7	9.0	✓
42	-23°	7355	8	23.3	-23	25.0	7.8	✓
43	-23°	7386	8	24.4	-23	7.0	8.2	✓
44	-22°	2297	8	23.3	-22	34.9	9.1	✓
45	-22°	2295	8	23.1	-22	31.7	9.4	✓
46	-22°	2287	8	22.3	-22	11.4	8.5	✓
47	-21°	2451	8	21.9	-21	50.7	8.7	✓
48	-21°	2443	8	20.8	-21	58.3	9.0	✓
49	-21°	2432	8	19.6	-21	53.8	9.2	✓
50	-21°	2430	8	19.5	-21	54.2	9.0	✓
51	-21°	2438	8	20.1	-21	5.4	8.5	✓
52	-20°	2537	8	21.0	-20	30.7	8.5	✓
53	-20°	2538	8	21.1	-20	21.7	6.8	✓
54	-20°	2549	8	~~23.0~~ 22.5	-20	28.1	6.7	✓

Cards made out

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1913phae.proj.2150C

Friday, May 2, 1913.
B 18302 shot disp.

No.	Int.	Class	Remark
.55	3	F5	
.56	5	A0	
.57	3	A2	
.58	2	F3g	
.59	1	K0	
.60	1	G5	
.61	3	A3	
.62	5	A0	
.63	7	F0	
.64	10	F8	
.65	4	A3	
.66	3	K0	
.67	2	A3	
.68	7	A2	
.69	2	K5	
.70	1	K0	
.71	3	Ma	
.72	4	A2	
.73	2	A0	
.74	1	A	
.75	3	A2	
.76	5	G5	
.77	1	K0	
.78	3	F0	
.79	3	A2	
.80	7	A0	
.81	5	F2	

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1913phae.proj.2150C

55	-20°	2553	8	22.8	-20	33.7	9.0	✓
56	-20°	2557	8	23.1	-20	47.7	8.0	✓
57	-20°	2550	8	22.5	-20	8.6	9.0	✓
58	-19°	2420	8	22.5	-19	46.4	8.8	✓
59	-19°	2415	8	21.4	-19	42.9	8.5	✓
60	-19°	2417	8	22.0	-19	18.2	9.1	✓
61	-18°	2370	8	23.8	-18	56.8	8.8	✓
62	-18°	2373	8	24.2	-18	52.6	8.7	✓
63	-19°	2436	8	24.9	-19	1.1	7.7	✓
64	-19°	2438	8	25.0	-19	5.2	5.6	✓
65	-19°	2443	8	25.6	-19	11.5	8.7	✓
66	-19°	2444	8	25.7	-19	28.8	8.2	✓
67	-19°	2441	8	25.4	-19	45.0	9.0	✓
68	-19°	2431	8	24.6	-19	48.7	7.8	✓
69	-19°	2429	8	23.9	-19	48.5	8.3	✓
70	-19°	2424	8	23.2	-19	37.7	8.5	✓
71	-20°	2562	8	23.7	-20	24.4	8.2	✓
72	-20°	2567	8	24.0	-20	23.5	8.5	✓
73	-21°	2449	8	21.8	-21	26.5	9.0	✓
74	-20°	2565	8	23.9	-20	32.1	9.7	✓
75	-20°	2568	8	24.2	-20	42.4	8.6	✓
76	-20°	2574	8	25.1	-20	35.6	7.0	✓
77	-20°	2579	8	25.5	-20	19.0	9.0	✓
78	-19°	2457	8	27.4	-19	34.1	8.8	✓
79	-19°	2459	8	27.5	-19	45.0	9.1	✓
80	-20°	2588	8	27.7	-20	16.0	8.2	✓
81	-20°	2593	8	28.0	-20	42.2	7.9	✓

cards made out

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1913phae.proj.2150C

Friday, May 2, 1913.
T5 18302 short disp.

No.	Int.	Class	Remark
82	2	A2	
83	5	Ly5	
84	1	Q	Partly superposed on 83.
85	3	A2	
86	4	A2	
87	3	K2	
88	2	Ly0	
89	3	A2	
90	7	A2	
91	2	K2	
92	6	A2	
93	7	K0	
94	3	B9	
95	2	A3	The following of two.
96	3	A0	
97	6	A0	
98	3	A2	
99	7	F0	
100	8	A5	
101	8	Ly5	
102	1	K0	
103	1	K0	
104	1	K2	
105	3	A0	
106	3	A0	
107	2	K0	
108	1	A	

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1913phae.proj.2150c

82	−20°	2599	8	28.4	−20	48.3	9.0	✓
83	−20°	2602	8	28.4	−20	57.5	7.5	✓
84	−20°	2604	8	28.5	−20	57.9	9.1	✓
85	−21°	2494	8	28.6	−21	4.1	9.0	✓
86	−20°	2608	8	29.3	−20	43.0	9.0	✓
87	−20°	2609	8	29.8	−20	33.6	8.2	✓
88	−20°	2614	8	30.9	−20	43.0	8.9	✓
89	−21°	2523	8	31.1	−21	1.4	9.0	✓
90	−21°	2486	8	27.5	−21	32.3	7.9	✓
91	−21°	2477	8	26.8	−21	49.9	8.0	✓
92	−21°	2478	8	26.9	−21	58.0	8.4	✓
93	−21°	2498	8	28.7	−21	45.0	6.8	✓
94	−21°	2507	8	29.4	−21	29.6	9.0	✓
95	−21°	2516	8	30.0	−21	28.8	9.1	✓
96	−21°	2514	8	29.9	−21	40.4	9.1	✓
97	−22°	2333	8	30.9	−22	13.7	8.2	✓
98	−22°	2329	8	30.1	−22	33.3	9.0	✓
99	−23°	7532	8	30.8	−23	9.1	8.1	✓
100	−23°	7490	8	29.0	−23	24.3	7.8	✓
101	−22°	2317	8	27.5	−22	52.6	7.7	✓
102	−22°	2324	8	28.4	−22	54.6	9.1	✓
103	−22°	2325	8	28.7	−22	48.3	9.1	✓
104	−22°	2326	8	29.0	−22	57.6	9.0	✓
105	−22°	2318	8	27.5	−22	23.2	9.1	✓
106	−22°	2315	8	26.6	−22	23.2	9.0	✓
107	−22°	2312	8	26.4	−22	19.4	8.4	✓
108	−22°	2319	8	27.5	−22	37.8	9.5	✓

cards made out

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1913phae.proj.2150C

Friday, May 2, 1913.

B 18302 short exp.

No.	Int.	Class	Remark
109	1	Q3	
110	5	Q0	
111	2	K0	
112	3	F5	
113	1	A	Partly superposed on 112.
114	3	A0	
115	2	A0	Partly superposed on 114.
116	6	F0	
117	10	G5	
118	2	F5	
119	4	G5	
120	8	G2	
121	5	K0	
122	4	A0	
123	5	A0	
124	2	A0	
125	3	B9	
126	3	F5	
127	2	F5	
128	5	A0	
129	2	K5	
130	10	K0	
131	2	K5	
132	3	F8	
133	3	K2	
134	3	K0	
135	4	A2	

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1913phae.proj.2150c

109	-22°	2314	8	27.1 ~~26.6~~	-22	42.6 ~~43.6~~	9.2 ~~9.4~~	✓
110	~~-23°~~	7428	8	26.2	-23	6.4	8.1	✓
111	-23°	7419	8	25.7	-23	30.0	8.2	✓
112	-23°	7443	8	27.3	-23	55.4	8.6 ~~9.1~~	✓
113	-23°	7449	8	27.5	-23	48.0 ~~53.4~~	9.1 ~~8.6~~	✓
114	-23°	7464	8	27.9	-23	36.5	8.8	✓
115	-23°	7462	8	27.8	-23	38.1	9.2	✓
116	-23°	7466	8	27.9	-23	45.7	8.2	✓
117	-24°	7089	8	27.7	-24	11.2	6.5	✓
118	-24°	7073	8	27.0	-24	7.6	8.9	✓
119	-24°	7068	8	26.9	-24	20.7	8.4	✓
120	-24°	7110	8	28.6	-24	40.6	7.2	✓
121	-24°	7150	8	30.1	-24	40.9	7.5	✓
122	-23°	7558	8	31.9	-23	51.9	8.5	✓
123	-23°	7564	8	32.2	-23	26.7	8.0	✓
124	-23°	7570	8	32.6	-23	30.1	8.8	✓
125	-22°	2336	8	31.6	-22	34.1	8.7	✓
126	-22°	2337 ~~6420~~	8	31.8 ~~32.7~~	-22	0.6 ~~4.5~~	7 ~~8.5~~	✓
127	-21°	2529	8	31.8	-21	40.0	8.7	✓
128	-21°	2535	8	32.6	-21	34.6	8.1	✓
129	-21°	2538	8	33.1	-21	25.0	8.1	✓
130	-22°	2345	8	32.8	-22	9.9	5.3	✓
131	-20°	2629	8	33.5	-20	53.4	8.3	✓
132	-20°	2637	8	34.1	-20	47.1	8.5	✓
133	-20°	2635	8	34.0	-20	29.6	7.8	✓
134	-20°	2639	8	34.3	-20	19.1	7.8	✓
135	-21	2558	8	36.2	-21	3.6	8.3	✓

clouds made out

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1913phae.proj.2150C

Friday, May 2, 1913.

B 18302 short exp.

No.	Int.	Class	Remark
. 136	4	K5	
. 137	7	A0	
. 138	6	A5	
. 139	1	F0	
. 140	4	G0	
. 141	2	A0	
. 142	1	G	
. 143	2	F5	
. 144	3	Fa	
. 145	4	B8	
. 146	3	K5	
. 147	6	A0	
. 148	3	A2	
. 149	4	K5	
. 150	1	A	
151	4	A0	
1114 . 152	5	A3	
153			
154			

cmh. 135, 76

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1913plate.proj.Z1590

136	-21°	2552	8	35.5	-21	30.5	7.7	✓
137	-21°	2548	8	35.2	-21	40.5	7.2	✓
138	-21°	2557	8	36.1	-21	51.9	7.7	✓
139	-21°	2370	8	12.2	-21	37.1	8.7	✓
140	-21°	2372	8	12.4	-21	40.9	8.5	✓
141	-21°	2375	8	12.7	-21	47.4	9.1	✓
142	-21°	2376	8	12.9	-21	34.4	8.8	✓
143	-22°	2228	8	13.1	-22	25.2	9.1	✓
144	-22°	2221	8	11.9	-22	47.1	8.2	✓
145	-23°	7087 (8)	8	12.2 (3)	-23	25.7 (3)	9.8 (3)	✓ ∧ −23° 7055 superposed
146	-23°	7126	8	13.9	-23	24.5	7.8	✓
147	-23°	7145	8	14.8	-23	23.7	8.5	✓
148	-23°	7158	8	15.3	-23	13.6	9.1	✓
149	-23°	7143	8	14.7	-23	4.3	7.7	✓
150	-23°	7151 (65)	8	15.1 (5)	-23	6.3 (5.7)	9.4 (5)	✓ ∧
151	-22° (3)	7193 / 2243	8	15.9 (16.7)	-22 (3)	57.4 (07)	8.8 (4)	✓ ∧
152	-23°	7180	8	16.1	-23	31.3	8.5	✓

Identified by W. C. W. July 29, 1913.
Checked by A.W.C. Aug. 1, 1913
cards made out by W. C. W.
checked by E. F. G.

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1913phae.proj.2150C

Monday October 6, 1913

10.35

B1830.2 Cont.

	No.	Dct.	Class	Remark
✓	153	3	F2	
✓	154	4	A0	
✓	155	2	A2	Another star superposed?
✓	156	5	A0	
✓	157	1	A0	
✓	158	2	A0	Another star superposed at north-
✓	159	3	A2	
✓	160	1	K5	
✓	161	1	A	
✓	162	5	A0	
✓	163	2	K0	
✓	164	3	B8	
✓	165	5	A2	
✓	166	3	B9	
✓	167	2	K0	
✓	168	2	B9	
✓	169	2	A0	
✓	170	3	Ma	
10.40 ✓	171	1	F5	

~~1707~~

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1913phae.proj.2150C

~~153~~

153	−25° 6005	8	18.3	−25	2	8.1		✓
154	−24° 6858	8	17.1	−24	60	8.9		✓
155	−24° 6871	8	17.8	−24	40	9.1	−24° 6873 8 17.8 − 24 38 9.0 super.	✓
156	−24° 6857	8	17.1	−24	23	8.3		✓
157	−24° 6889	8	18.4	−24	20	9.1		✓
158	−24° 6882	8	18.1	−24	20	9.3	−24° 6883 8 18.2 −24 17 9.1 super.	✓
	6872		17.8	− 24	2	9.1		
159	−24° ~~6884~~	~~8~~	~~17.5~~	~~−24~~	~~6~~	~~9.2~~		✓
160	−23° 7239	8	18.2	−23	52	8.3		✓
161	−23° 7281	8	19.7	−23	25	9.4		✓
162	−24° 6822	8	15.5	−24	45	8.2		✓
163	−25° 5944	8	16.0	−25	3	8.3		✓
164	−24° 6811	8	15.0	−24	2	9.0		✓
165	−24° 6807	8	14.8	−24	4	8.7		✓
166	−23° 7153	8	15.2	−23	53	~~88~~		✓
167	−23° 7157	8	15.3	−23	42	8.3		✓
168	−23° 7155	8	15.8	−23	38 42	9.8 ~~8.3~~		✓
169	−23° 7152	8	15.2	−23	30	9.3		✓
170	−24° 6751	8	12.2	−24	38	7.2		✓
171	−24° 7228	8	33.2	−24	36	8.6		✓

Identn. on cards by AMC, Jan. 13, 1915
Identified here Jan. 15 1915 W.W.
Identification compared by E.R.B. Jan. 16, 1915

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1913phae.proj.2150C

Wednesday May 14, 1913

I 37770. long.

No.	Int.	Class	Remarks
✓ 1	2	F5	
✓ 2	3	G5	
✓ 3	4	K0	
✓ 4	6	A2p	
✓ 5	3	G5	
✓ 6	3	F8	
✓ 7	2	G0	
✓ 8	1	A	
✓ 9	1	K	
✓ 10	1	K5	
#			
11	1	K0	
12	5	G5	Resembles 61 Cygni in lines near H & K
13	3	K2	
14	3	K0	
15	3	K2	
16	7	A0	
17	8	F2	
18	5	F0	

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1913phae.proj.2150C

1	+18°	2477	11	13.5	+18	41.0	8.3	✓	
2	+19°	2443	11	14.2	+19	0.2	8.2	✓	
3	+18°	2481	11	14.9	+18	14.2	6.7	✓	
4	+17°	2351	11	16.1	+17	56.6	7.2	✓	
5	+18°	2488	11	16.8	+18	8.0	7.5	✓	
6	+16°	2254	11	16.9	+16	41.1	8.0	✓	
7	+19°	2446	11	15.8	+19	50.7	8.3	✓	
8	+22°	2354	11	16.9	+22	34.1	8.6	✓	
9	+22°	2359	11	19.1	+22	25.4	8.5	✓	
10	+21°	2317	11	18.6	+21	11.0	8.0	✓	

Identified on Cards by AMC. Feb. 20, 1914
Identified in book JCM Feb. 27, 1914.
Identification compared, cards & book. G.R.B.

✓	11	+18	2430	10	57.9	+18	87	8.5	19 on N37504
✓	12	+22	2343	11	10.4	+22	59	6.9	61 " "
✓	13	+21	2304	11	11.9	+21	31	6.8	63 " "
✓	14	+19	2438	11	12.2	+19	53	8.0	68 " "
✓	15	+17	2343	11	12.6	+17	55	7.8	83 " "
✓	16	+18	2475	11	12.8	+18	7	7.2	84 " "
✓	17	+17	2356	11	18.1	+17	16	6.0	1 on N38229
✓	18	+23	2349	11	18.5	+23	16	7.0	96 " "

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1913phae.proj.2150C

Thursday September 4, 1913

10.15

B24583 short

No.	Int.	Class	Remark
1	3	A0	
2	3	A2	
3	1	K5	
4	4	F8	
5	2	K0	
6	3	A0	
7	2	K0	
8	3	K0	
9	3	K0	
10	2	F2	
11	1	K0	
12	2	K2	
13	3	A2	
14	4	F0	
15	3	K0	
16	5	F8	
17	7	K2	
18	2	F0	
19	1	A2	
20	3	K0	
21	3	Ma	
22	5	A0	
23	2	F0	
24	4	F0	
25	7	K0	
26	2	A5	
27	4	K0	

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1913phae.proj.2150C

1	−15°	2451	8	22.0	−15	29.1	9.3	✓
2	−14°	2543	8	23.0	−14	58.5	9.3	↑ ✓
3	−15°	2459	8	23.0	−15	13.8	9.4	↑ ✓
4	−15°	2462	8	23.2	−15	17.9	9.3	↑ ✓
5	−15°	2463	8	23.3	−15	4.1	9.3	↑ ✓
6	−14°	2546	8	23.4	−14	50.1	9.4	↑ ✓
7	−14°	2544	8	28.4	−14	43.2	9.4	↑ ✓
8	−14°	2550	8	23.7	−14	41.1	9.3	↑ ✓
9	−14°	2551	8	23.9	−14	29.0	9.4	↑ ✓
10	−14°	2540	8	22.7	−14	8.8	9.4	↑ ✓
11	−14°	2537	8	22.1	−14	43.8	9.5	↑ ✓
12	−14°	2535	8	21.7	−14	26.4	9.3	↑ ✓
13	−14°	2527	8	20.8	−14	43.8	9.4	↑ ✓
14	−15°	2473	8	24.3	−15	8.4	8.8	↑ ✓
15	−15°	2474	8	24.4	−15	3.7	9.0	↑ ✓
16	−15°	2477	8	24.6	−15	1.4	8.8	↑ ✓
17	−15°	2472	8	24.2	−15	21.1	6.8	↑ ✓
18	−15°	2470	8	24.0	−15	29.9	9.0	↑ ✓
19	Approx.	1855	8	24.1	−15	~~29~~ 28		↑ ✓
20	−15°	2476	8	24.4	−15	23.7	8.8	↑ ✓
21	−15°	2475	8	24.4	−15	31.0	8.7	↑ ✓
22	−14°	2563	8	25.7	−14	55.1	9.0	↑ ✓
23	−14°	2565	8	25.9	−14	52.1	9.2	↑ ✓
24	−14°	2568	8	26.2	−14	45.8	9.2	↑ ✓
25	−15°	2487	8	26.4	−15	16.4	7.5	↑ ✓
26	−15°	2491	8	26.6	−15	12.0	9.4	↑ ✓
27	−15°	2485	8	26.2	−15	35.8	8.2	↑ ✓

cards made out

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1913phae.proj.2150C

Thursday September 3, 1913

B 24583

No.	Int.	Class	Remarks
28	1	G0	
29	3	K0	
30	2	F0	
31	1	G5	
32	9	K0	
33	2	G5	
34	2	F0	
35	2	A2	
36	1	K2	
37	1	K0	
38	5	F0	
39	1	K5	
40	2	K2	
41	1	A2	
42	3	G5	
43	4	K0	
44	2	A0	
45	1	A5	
46	5	K2	
47	1	G5	
48	3	K2	
49	2	G5	
50	1	G5	
51	3	K0	
52	5	K0	
53	2	A0	
54	6	K0	

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1913phae.proj.2150C

28	−15°	2486	8	26.3	−15	37.5	9.4	∧ ∨
29	−15°	2488	8	26.5	−15	43.8	8.3	∧ ∨
30	−15°	2489	8	26.5	−15	46.9	9.1	∧ ∨
31	−15°	2492	8	26.7	−15	45.3	9.3	∧ ∨
32	−15°	2494	8	26.9	−15	36.5	6.3	∧ ∨
33	−15°	2496	8	27.1	−15	44.5	9.3	∧ ∨
34	−15°	2497	8	27.2	−15	7.9	9.3	∧ ∨
35	−15°	2499	8	27.2	−15	9.1	9.8	∧ ∨
36	−15°	2498	8	27.2	−15	19.8	9.8	∧ ∨
37	−15°	2502	8	27.5	−15	3.8	9.4	∧ ∨
38	−14°	2576	8	27.7	−14	46.2	9.2	∧ ∨
39	−14°	2573	8	27.1	−14	35.6	9.3	∧ ∨
40	−14°	2571	8	26.7	−14	16.3	9.1	∧ ∨
41	Approx.	1855	8	27.1	−14	10		∧ ∨
42	−14°	2577	8	27.7	−14	17.6	9.5	∧ ∨
43	−14°	2579	8	28.6	−14	43.2	8.4	∧ ∨
44	−15°	2509	8	28.6	−15	6.4	9.3	∧ ∨
45	−14°	2582	8	29.3	−14	53.8	9.5	∧ ∨
46	−14°	2583	8	29.5	−14	37.6	8.0	∧ ∨
47	−14°	2581	8	29.0	−14	21.8	9.5	∧ ∨
48	−14°	2590	8	30.3	−14	35.6	9.0	∧ ∨
49	−14°	2591	8	30.5	−14	34.3	9.6	∧ ∨
50	−15°	2517	8	29.9	−15	1.2	9.1	∧ ∨
51	−14°	2589	8	30.1	−14	58.5	8.8	∧ ∨
52	−15°	2526	8	31.2	−15	2.5	8.2	∧ ∨
53	−14°	2593	8	31.5	−14	43.0	9.3	∧ ∨
54	−14°	2594	8	31.6	−14	45.9	8.0	∧ ∨

cards made out

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1913phae.proj.2150C

Thursday September 4, 1913

B24583

No.	Int.	Class	Remark
55	3	a2	
56	2	K0	
57	2	F0	
58	1	G	
59	2	a2	Another star superposed? Strong line about 4130.
60	8	a0	
61	2	G0	
62	3	F2	
63	4	a0	
64	2	F2	
65	6	F0	
66	2	a5	
67	3	K0	
68	3	K2	
69	3	F0	
70	7	F5	
71	1	a	
72	2	K0	
73	2	K0	
74	5	G5	
75	6	a0	
76	5	B8	
77	5	K0	
78	3	K0	
79	10	G	Burned out
80	3	a2	
81	5	a2	

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1913phae.proj.2150C

55	−14°	2595	8	31.7	−14	40.9	9.1	1 ✓
56	−14°	2599	8	32.3	−14	39.8	9.0	1 ✓
57	−14°	2601	8	32.4	−14	59.6	9.2	1 ✓
58	−15°	2537	8	32.4	−15	4.2	9.5	1 ✓
59	−15°	2539	8	32.5	−15	20.5	9.5	^ ✓ −15° 2540 superposed 9.6
60	−15°	2538	8	32.5	−15	31.4	7.8	1 ✓
61	−15°	2541	8	32.9	−15	0.1	9.1	1 ✓
62	−14°	2604	8	33.1	−14	59.8	9.0	1 ✓
63	−14°	2607	8	33.2	−14	43.1	9.2	1 ✓
64	−14°	2609	8	33.3	−14	43.5	9.5	1 ✓
65	−14°	2610	8	33.6	−14	47.4	8.5	1 ✓
66	−14°	2613	8	33.7	−14	45.9	9.4	1 ✓
67	−14°	2614	8	34.2	−14	39.3	8.5	^ ✓
68	−14°	2615	8	34.3	−14	20.7	8.8	1 ✓
69	−14°	2616	8	34.5	−14	10.5	9.3	1 ✓
70	−13°	2644	8	34.2	−13	46.9	8.0	1 ✓
71	Approx.	1855	8	35.5	−14	13		1 ✓
72	−14°	2623	8	35.7	−14	10.9	9.2	1 ✓
73	−14°	2625	8	35.8	−14	17.1	9.2	^ ✓
74	−14°	2629	8	36.1	−14	28.3	8.4	^ ✓
75	−14°	2630	8	36.4	−14	28.6	8.7	1 ✓
76	−14°	2627	8	35.9	−14	52.2	9.1	^ ✓ −14° 2626 superposed 9.1
77	−14°	2631	8	37.1	−14	32.7	8.5	1 ✓
78	−15°	2565	8	36.7	−15	5.7	9.0	^ ✓
79	−15°	2554	8	35.0	−15	25.2	5.4	^ ✓
80	−15°	2556	8	35.0	−15	39.6	9.4	^ ✓
81	−15°	2557	8	35.6	−15	31.4	8.9	^ ✓

Cards made out

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1913phae.proj.2150C

Thursday September 4, 1913

B24583

No.	Int.	Class	Remark
82	4	K0	
83	1	G0	
84	4	A2	
85	2	F0	
86	8	A0	
87	2	F5	
88	6	F5	
89	2	A0	
90	1	G0	
91	2	A5	
92	5	F0	
93	1	G5	
94	2	K5	
95	6	F8	
96	3	K0	
97	2	K5	
98	1	K5	
99	1	K5	
100	5	K0	
101	2	K0	
Lens 10.37 1022	3	K0	
" 1.20 103	3	F5	
104	2	F2	
105	3	G5	Another star superposed N.f.
106	8	F5	
107	2	K0	[The following of Lens]
108	2	G5	

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1913phae.proj.2150C

82	−15°	2558	8	35.9	−15	28.0	8.4	^ ~
83	−15°	2559	8	36.0	−15	13.1	9.0	^ ~
84	−15°	2561	8	36.1	−15	53.6	9.0	^ ~
85	−16°	2555	8	34.9	−16	7.9	9.0	^ ~
86	−16°	2550	8	34.2	−16	49.6	8.0	^ ~
87	−16°	2556	8	35.1	−16	44.6	9.1	^ ~
88	−16°	2559	8	35.4	−16	55.0	7.6	^ ~
89	−17°	2616	8	35.5	−17	0.3	9.3	^ ~
90	−16°	2560	8	36.0	−16	53.5	9.1	^ ~
91	−17°	2621	8	36.1	−17	0.7	9.3	^ ~
92	−16°	2562	8	36.4	−16	40.8	8.5	^ ~
93	−16°	2563	8	36.6	−16	23.4	9.4	^ ~
94	−16°	2564	8	36.8	−16	42.6	9.0	^ ~
95	−16°	2566	8	37.1	−16	29.4	8.0	^ ~
96	−16°	2569	8	37.5	−16	25.4	9.0	^ ~
97	−16°	2565	8	37.0	−16	3.0	9.0	^ ~
98	−15°	2568	8	37.0	−15	44.5	9.4	^ ~
99	−15°	2567	8	37.0	−15	35.9	9.4	^ ~
100	−15°	2569	8	37.1	−15	26.1	8.0	^ ~
101	−15°	2570	8	37.3	−15	27.4	9.3	^ ~
102	−15°	2574	8	38.2	−15	29.9	9.0	^ ~
103	−15°	2577	8	38.4	−15	26.6	9.0	^ ~
104	−15°	2575	8	38.3	−15	36.9	9.4	^ ~
105	−15°	2578	8	38.4	−15	31.8	9.0	^ ~ 9.5 −15° 2580 superfine
106	−14°	2637	8	38.3	−14	53.8	8.2	^ ~
107	−15°	2585	8	39.5	−15	3.0	9.2	^ ~
108	−14°	2645	8	39.8	−14	57.0	9.1	^ ~

cards made out

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1913phae.proj.2150C

Thursday Sept 4, 1913

B24583

No.	Int.	Class	Remarks
109	1	K5	
110	2	G0	
111	1	A0	
112	3	F0	
113	1	K2	
114	3	F0	
115	1	K5	Another plate partly superposed at North-
116	3	F2	
117	1	A2	
118	6	F8	
119	1	A3	
120	2	K0	
121	2	F8	
122	1	F5	
123	2	K0	
124	1	G	
125	1	G5	
126	2	F8	
127	2	G0	
128	3	A2	
129	4	G0	
130	4	G0	
131	5	F2	
132	4	K0	
133	5	K0	
134	1	K0	
135	2	Ma	

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1913phae.proj.2150C

109	−15°	2587	8	40.1	−15	1.9	9.2	∧ ∨
110	−14°	2647	8	40.2	−14	59.0	9.5	∧ ∨
111	−15°	2591	8	40.7	−15	16.2	8.5	∧ ∨
112	−15°	2593	8	41.1	−15	30.2	9.1	∧ ∨
113	−15°	2582	8	39.3	−15	32.7	9.2	∧ ∨
114	−15°	2583	8	39.4	−15	46.2	9.2	∧ ∨
115	−15°	2579	8	38.5	−15	52.0	9.1	∧ ∨ star superposed not in cat.
116	−16°	2578	8	38.9	−16	23.8	9.1	∧ ∨
117	−16°	2577	8	38.9	−16	37.7	9.8	∧ ∨
118	−16	2579	8	39.4	−16	46.0	8.5	∧ ∨
119	−17°	2641	8	39.0	−17	18.0	8.5	∧ ∨
120	−16°	2448	8	19.6	−16	44.2	9.1	∧ ∨
121	−16°	2450	8	20.0	−16	45.8	9.4	∧ ∨
122	−16°	2451	8	20.5	−16	37.1	9.7	∧ ∨
123	−16°	2453	8	20.6	−16	3.8	9.0	∧ ∨
124	−16°	2458	8	21.3	−16	7.9	9.4	∧ ∨
125	−16°	2460	8	21.3	−16	5.2	9.4	∧ ∨
		Arkansas Nov., 1855		21.8	−16	20		
126	−16	2461	8	21.7	−16	14.7	8.8	∨
127	−16°	2455	8	21.1	−16	38.8	9.3	∧ ∨
128	−16°	2459	8	21.3	−16	37.2	9.1	∧ ∨
129	−16°	2465	8	21.9	−16	44.7	9.1	∧ ∨
130	−16°	2463	8	21.7	−16	56.3	9.0	∧ ∨
131	−16°	2464	8	21.9	−16	54.8	8.6	∧ ∨
132	−17°	2509	8	21.6	−17	4.5	8.6	∧ ∨
133	−17°	2507	8	21.5	−17	12.7	8.4	∧ ∨
134	−17°	2496	8	20.1	−17	1.6	9.3	∧ ∨
135	−17°	2510	8	21.6	−17	33.2	8.9	∧ ∨

cards made out.

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1913phae.proj.2150C

Thursday September 4, 1913

B24583

No.	Int.	class	Remark
136	1	a2	
137	1	g	
138	1	a3	
139	3	a0	
140	3	K0	
141	2	F8	
142	2	F2	
143	8	F5	
144	2	F0	
145	5	A0	
146	3	K0	
147	1	a2	
148	3	K0	
149	1	F0	
150	2	F8	
151	2	Mb	
152	1	a0	
153	1	K0	
154	1	K0	
155	4	F5	
156	3	K0	
157	1	a	
158	1	g5	
159	2	a2	
160	4	a2	
161	3	K2	
162	2	F5	

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1913phae.proj.2150C

136	−17°	2505	8	21.3	−17	53.0	9.3	∧∨
137	−17°	2514	8	22.3	−17	23.4	9.5	∧∨
138	−17°	2515	8	22.3	−17	28.8	8.5	∧∨
139	−17°	2516	8	22.6	−17	19.0	9.2	∧∨
140	−17°	2518	8	22.8	−17	15.5	8.7	∧∨
141	−17°	2519	8	23.1	−17	7.8	9.4	∧∨
142	−16°	2479	8	23.5	−16	54.9	9.1	∧∨
143	−17°	2512	8	22.1	−17	2.9	8.0	∧∨
144	−16°	2472	8	22.6	−16	38.8	9.3	∧∨
145	−16°	2477	8	23.2	−16	39.0	9.0	∧∨
146	−16°	2474	8	22.9	−16	19.4	8.3	∧∨
147	−16°	2476	8	23.0	−16	10.0	9.4	∧∨
148	−16°	2478	8	23.3	−16	13.7	8.2	∧∨
149	−16°	2480	8	23.5	−16	20.6	8.0	∧∨
150	−16°	2482	8	23.7	−16	3.1	9.4	∧∨
151	−16°	2485	8	24.4	−16	31.3	9.0	∧∨
152	−16°	2488	8	24.7	−16	31.4	8.5	∧∨
153	−16°	2491	8	25.1	−16	11.3	9.3	∧∨
154	−16°	2494	8	25.3	−16	2.1	9.2	∧∨
155	−16°	2493	8	25.3	−16	23.9	8.9	∧∨
156	−16°	2496	8	25.8	−16	18.3	8.7	∧∨
157	−15°	2484	8	26.2	−15	56.2	10	∧∨
158	−15°	2480	8	25.2	−15	25.4	9.7	∧∨
159	−16°	2502	8	26.7	−16	12.8	10	∧∨
160	−16°	2499	8	26.5	−16	27.5	9.2	∧∨
161	−16°	2504	8	26.7	−16	30.8	8.8	∧∨
162	−16°	2506	8	27.2	−16	32.8	9.4	∧∨

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No.	Dist.	Class	Remark
163	4	G0	
164	3	K2	
165	3	G0	
166	4	A0	
167	4	A2	
168	2	F5	
169	2	G0	
170	5	F0	
171	1	K0	
172	1	K5	
173	8	K0	
174	3	G5	
175	2	A0	
176	1	K0	
177	2	G5	
178	1	K0	
179	3	A2	
180	1	K0	
181	1	A2	
182	1	G5	
183	2	A3	
184	4	F5	
185	3	F5	
186	3	A5	
187	2	K0	
188	1	A2	
189	1	K2	

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163	−16°	2507	8	27.3	−16	28.4	9.0	∧ ∨
164	−16°	2509	8	27.8	−16	9.2	8.8	∧ ∨
165	−16°	2510	8	28.1	−16	19.0	9.0	∧ ∨
166	−16°	2516	8	29.4	−16	10.3	9.1	∧ ∨
167	−16°	2517	8	29.6	−16	7.5	9.3	∧ ∨
168	−15°	2515	8	29.6	−15	47.9	9.2	∧ ∨
169	−15°	2514	8	29.5	−15	38.0	9.3	∧ ∨
170	−15°	2510	8	28.9	−15	29.7	8.7	∧ ∨
171	−15°	2508	8	28.6	−15	42.3	9.3	∧ ∨
172	−15°	2506	8	28.3	−15	35.8	9.4	∧ ∨
173	−15°	2520	8	30.4	−15	31.3	7.5	∧ ∨
174	−15°	2525	8	31.1	−15	28.2	9.0	∧ ∨
175	−15°	2528	8	31.3	−15	31.8	9.4	∧ ∨
176	−15°	2531	8	31.6	−15	35.2	9.4	∧ ∨
177	−15°	2533	8	31.8	−15	35.7	9.2	∧ ∨
178	−15°	2534	8	32.1	−15	31.4	9.2	∧ ∨
179	−15°	2535	8	32.3	−15	52.6	9.0	∧ ∨
180	−15°	2536	8	32.4	−15	53.4	9.6	∧ ∨
181	Approx.	1855	8	32.8	−15	33		∧ ∨
182	−15°	2543	8	33.2	−15	17.0	9.4	∧ ∨
183	−15°	2544	8	33.5	−15	23.9	9.3	∧ ∨
184	−15°	2547	8	34.1	−15	32.7	9.0	∧ ∨
185	−15°	2546	8	34.1	−15	49.2	9.1	∧ ∨
186	−15°	2549	8	34.2	−15	49.4	9.2	∧ ∨
187	−15°	2551	8	34.4	−15	41.8	9.0	∧ ∨
188	Approx.	1855	8	34.7	−15	47		∧ ∨
189	−16°	2551	8	34.3	−16	1.6	9.2	∧ ∨

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No.	Int.	Class	Remark
190	1	F	
191	1	A	
192	1	K	
193	9	Mb	
194	3	G5	
195	1	G5	
196	2	K0	
197	2	F8	F8 double. Another star superposed?
198	10	A2	
199	3	A2	
200	6	B8	
201	4	F0	
202	3	A2	
203	3	G5	
204	3	F2	
205	6	A0	
206	2	G5	
207	1	A2	
208	7	B9	
209	1	F8	
210	1	A0	
211	2	G0	
212	3	A2	
213	2	K0	Another star superposed at north.
214	3	G5	
215	1	K5	
216	1	K2	

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190	−16°	2548	8	33.8	−16	2.8	9.5	∧ ∨
191	−16°	2546	8	33.7	−16	7.3	9.3	∧ ∨
192	−16°	~~2538~~ 2539	8	~~32.7~~ 32.8	−16	~~54.7~~ 20.6	~~9.0~~ 9.5	∧ ∨
193	−16°	2541	8	33.2	−16	47.4	6.5	∧ ∨
194	−16°	2542	8	33.3	−16	44.8	9.0	∧ ∨
195	−16°	2547	8	33.8	−16	56.9	9.2	∧ ∨
196	−17°	2603	8	33.3	−17	11.8	9.2	∧ ∨
197	−17°	2605	8	33.6	−17	20.0	9.2	∧ ∨
198	−17°	2597	8	32.9	−17	45.7	7.0	∧ ∨
199	−18°	2428	8	32.8	−18	1.6	9.4	∧ ∨
200	−17°	2601	8	33.2	−17	56.0	8.7	∧ ∨
201	−17°	2604	8	33.5	−17	44.0	8.8	∧ ∨
202	−18°	2435	8	33.5	−18	6.4	9.0	∧ ∨
203	−18°	2440	8	34.2	−18	4.2	9.0	∧ −
204	−17°	2607	8	34.0	−17	47.7	9.0	∧ ∨
205	−17°	2609	8	34.1	−17	38.2	9.0	∧ ∨
206	−17°	2610	8	34.3	−17	30.6	9.3	∧ ∨
207	−17°	2615	8	35.5	−17	21.2	9.5	∧ ∨
208	−17°	2614	8	35.1	−17	48.7	8.4	∧ ∨
209	−18°	2443	8	34.6	−18	1.0	9.5	∧ ∨
210	−17°	2613	8	34.9	−17	58.3	9.8	∧ ∨
211	−17°	2622	8	36.5	−17	10.3	9.5	∧ ∨
212	−17°	2623	8	36.7	−17	24.1	9.0	∧ ∨
213	−17°	2624	8	36.9	−17	7.8	9.5	∧ ∨ 9.4 −17° 2625 superposed
214	−17°	2626	8	37.0	−17	8.0	9.3	∧ ∨
215	−16°	2568	8	37.4	−16	51.0	9.0	∧ ∨
216	−17°	2631	8	37.5	−17	9.8	9.2	∧ ∨

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No.	Dur.	Class	Remark
217	3	F5	Another star superposed at south
218	6	K2	
219	7	A3	Assumed to be the same as 119.
220	1	K0	
221	1	K0	
222	7	K0	
223	1	K0	
224	5	F0	
225	3	G5	
226	5	K0	
227	1	A2	
228	1	K0	
229	2	A2	
230	1	K5	
231	1	K0	
232	5	K0	
233	3	A0	
234	3	G5	
235	1	F0	
236	3	A0	
237	9	G5	Star superposed on preceding side.
238	6	F0	
239	5	K0	Another star superposed at North-
240	7	K0	
241	3	A3	
242	2	K2	
243	2	A2	

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217	−17°	2629	8	37.1	−17	31.4	9.3	∧✓ star at south. is not cat. star.
218	−17°	2632	8	37.8	−17	29.4	8.5	∧✓
219								
220	−18°	2466	8	38.8	−18	0.3	9.0	∧✓
221	−17°	2520	8	23.2	−17	48.0	9.0	∧✓
222	−17°	2522	8	23.5	−17	51.6	8.0	∧ } another star south ∧ } not in cat. superposed
223	−17°	2525	8	23.9	−17	51.0	9.1	∧✓
224	−17°	2527	8	24.2	−17	34.1	8.8	∧✓
225	−17°	2528	8	24.2	−17	37.0	8.8	∧✓
226	−16°	2484	8	24.2	−16	58.8	8.5	∧✓
227	−16°	2489	8	24.9	−16	58.3	9.8	∧✓
228	−16°	2490	8	25.0	−16	48.2	9.4	∧✓
229	−16°	2492	8	25.3	−16	40.2	9.8	∧✓
230	Approx	1855	8	24.4	−17	8		∧✓
231	−16°	2497	8	26.0	−16	52.2	9.4	∧✓
232	−17°	2541	8	26.0	−17	8.3	8.8	∧✓
233	−17°	2532	8	25.2	−17	23.8	9.5	∧✓
234	−17°	2536	8	25.7	−17	25.8	9.0	∧✓
235	−17°	2539	8	26.0	−17	34.1	9.8	∧✓
236	−17°	2535	8	25.6	−17	44.7	9.5	∧✓
237	−17°	2534	8	25.4	−17	53.8	7.0	∧✓ 9.2 −17° 2533 superposed
238	−17°	2530	8	24.7	−17	56.8	8.7	∧✓
239	−18°	2377	8	24.7	−18	3.1	9.0	∧✓ 9.0 −18° 2378 superposed
240	−18°	2379	8	24.7	−18	18.5	8.0	∧✓
241	−18°	2384	8	25.8	−18	20.5	9.4	∧✓
242	−18°	2388	8	26.1	−18	5.0	9.0	∧✓
243	−17°	2540	8	26.0	−17	45.4	9.5	∧✓

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No	Dur	Class	Remark
244	2	F0	
245	4	A5	
246	5	A2	
247	2	F0	
248	1	K0	
249	1	F5	
250	2	K2	
251	2	K0	
252	4	G5	
253	2	A0	
254	1	K0	
255	1	G0	
256	2	G0	
257	3	A1	
258	2	G0	
259	1	G	
260	3	K0	
261	1	K0	
262	5	F0	
263	5	G5	
264	2	G5	
265	2	K0	
266	4	K0	
267	1	K0	
268	6	K0	
269	3	F8	
270	4	F0	

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1913phae.proj.21595

244	−17°	2545	8	26.6	−17	57.0	9.1	∧ ∨
245	−17°	2553	8	27.3	−17	56.7	9.1	∧ ∨
246	−17°	2549	8	26.9	−17	17.0	9.0	∧ ∨
247	−16°	2503	8	26.7	−16	59.2	9.0	∧ ∨
248	−16°	2505	8	27.1	−16	47.8	9.2	∧ ∨
249	−17°	2550	8	27.0	−17	0.5	9.5	∧ ∨
250	−17°	2552	8	27.2	−17	14.7	9.0	∧ ∨
251	−17°	2555	8	27.4	−17	24.2	9.2	∧ ∨
252	−17°	2561	8	27.7	−17	13.5	9.0	∧ ∨
253	−17°	2560	8	27.7	−17	20.9	9.9	∧ ∨
254	−17°	2562	8	27.9	−17	6.5	9.5	∧ ∨
255	−17°	2563	8	28.0	−17	11.7	9.4	∧ ∨
256	−17°	2567	8	28.2	−17	11.5	9.1	∧ ∨
257	−17°	2566	8	28.1	−17	17.2	9.4	∧ ∨
258	−16°	2513	8	28.8	−16	51.7	9.1	∧ ∨
259	−16°	2514	8	29.0	−16	44.3	9.5	∧ ∨
260	−16°	2519	8	29.8	−16	54.1	8.5	∧ ∨
261	−16°	2526	8	30.7	−16	26.2	9.1	∧ ∨
262	−16°	2527	8	30.8	−16	43.2	8.8	∧ ∨
263	−16°	2525	8	30.6	−16	59.7	8.3	∧ ∨
264	−17°	2581	8	30.5	−17	6.7	9.1	∧ ∨
265	−17°	2580	8	30.3	−17	22.3 ~~28.8~~	8.7 ~~+0~~	∧ ∨
266	−17°	2576	8	29.9	−17	31.5	8.4	∧ ∨
267	−17°	2575	8	29.9	−17	42.1	9.1	∧ ∨
268	−17°	2586	8	31.2	−17	34.4	8.5	∧ ∨
269	−17°	2583	8	30.9	−17	57.0	9.1	∧ ∨
270	−17°	2587	8	31.3	−17	54.3	9.0	∧ ∨

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Nr.	Int.	Class	Remark
271	7	a5	
272	1	K2	
273	1	-K0	
274	1	K0	
275	2	a0	
276	5	b5	
277	2	Ma	
278	1	g	
279	9	g5	
280	3	a0	
281	3	f8	
282	1	K0	
283	4	a3	
284	7	f2	
285	2	K5	
286	4	f2	
287	8	K5	
288	4	b5	
289	1	Mb	
290	1	a2	
291	1	g5	
292	1	K0	
293	5	b0	
294	6	a0	
295	5	K0	
296	1	g	Partly superposed on 293
297	3	f2	

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271	-17°	2593	8	32.1	-17	55.8	8.5	∧ ✓
272	-17°	2595	8	32.4	-17	28.7	9.0	∧ ✓
273	-16°	2538	8	32.7	-16	54.7	9.0	∧ ✓
274	-16°	2537	8	32.4	-16	47.~~4~~ 4	9.0	∧ ✓
275	-16°	2536	8	32.3	-16	30.6	9.4	∧ ✓
276	-16°	2534	8	31.8	-16	29.7	8.1	∧ ✓
277	-16°	2532	8	31.6	-16	46.5	8.5	∧ ✓
278	-16°	2523	8	30.6	-16	7.6	9.3	∧ ✓
279	-18°	2416	8	30.4	-18	10.8	6.8	∧ ✓
280	-18°	2420	8	30.9	-18	33.8	9.7	∧ ✓
281	-18°	2419	8	30.8	-18	41.9	9.1	∧ ✓
282	-18°	2417	8	30.6	-18	53.3	9.3	∧ ✓
283	-18°	2425	8	32.4	-18	12.4	9.1	∧ ✓
284	-18°	2429	8	32.9	-18	21.1	8.5	∧ ✓
285	-19°	2487	8	31.8	-19	5.3	9.0	∧ ✓
286	-19°	2486	8	31.8	-19	11.4	8.9	∧ ✓
287	-19°	2489	8	32.1	-19	13.7	6.7	∧ ✓
288	-19°	2491	8	32.6	-19	28.6	9.0	∧ ✓ -19°2492 & 32.6-19 30.0 mags. 94 superposed
289	-19°	2490	8	32.3	-19	36.4	9.0	∧ ✓
290	Approx	1855	8	33.~~0~~ 1	-18	~~56~~ 53		∧ ✓
291	-18°	2432	8	33.4	-18	52.5	9.3	∧ ✓
292	-18°	2434	8	33.5	-18	54.3	9.3	∧ ✓
293	-18°	2438	8	34.0	-18	40.9	8.4	∧ ✓
294	-18°	2436	8	33.9	-18	47.2	9.0	∧ ✓
295	-18°	2437	8	33.9	-18	56.4	8.5	∧ ✓
296	-18°	2439	8	34.0	-18	43.3	9.4	∧ ✓
297	-18°	2442	8	~~30.3~~ 34.5	-18	30.3	9.4	∧ ✓

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	No.	Int.	Class	Remark
	298	3	K0	
	299	3	K2	
	300	1	F5	
June 1.45	301	3	Bq	
D.S.W.	302	9	A3	
	303	2	A3	
11 18 Sept.5.	304	4	K0	
	305	5	K0	
	306	3	F5	
	307	3	F5	
	308	2	F5	
	309	5	A0	
	310	1	K0	
	311	2	F8	
	312	4	F0	
	313	5	G0	
	314	3	A0	
	315	2	K2	
	316	1	K2	
	317	2	G5	
	318	3	G	Edge
	319	4	K2	
	320	1	K0	
	321	2	A0	
	322	2	A2	
	323	1	A2	
	324	3	F	Poor focus.

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1913phae..proj..2150C

298	-18°	2444	8	34.7	-18	35.7	9.1	↑↓
299	-18°	2445	8	34.8	-18	39.5	9.0	↑↓
300	-18°	2446	8	34.8	-18	56.5	8.0	↑↓
301	-19°	2499	8	34.4	-19	2.0	9.3	↑↓
302	-19°	2500	8	34.6	-19	24.0	7.4	↑↓
303	-19°	2503	8	34.7	-19	32.7	9.2	↑↓
304	-19°	2505	8	35.1	-19	28.8	8.3	↑↓
305	-20°	2632	8	33.8	-20	7.5	8.2	↑↓
306	-20°	2631	8	33.7	-20	16.5	9.0	↑↓
307	-20°	2625	8	33.0	-20	25.0	9.0	↑↓
308	-20°	2626	8	33.1	-20	0.1	9.2	↑↓
309	-19°	2496	8	32.8	-19	55.3	9.0	↑↓
310	-19°	2495	8	32.8	-19	48.9	9.4	↑↓
311	-19°	2497	8	33.2	-19	26.0	9.6	↑↓
312	-19°	2485	8	31.7	-19	55.7	9.0	↑↓
313	-20	2616	8	31.5	-20	7.1	9.0	↑↓
314	-20°	2621	8	32.2	-20	15.1	9.3	↑↓
315	-20°	2623	8	32.3	-20	7.8	9.0	↑↓
316	-20°	2619	8	31.9	-20	44.7	9.1	↑↓
317	-20°	2620	8	32.0	-20	52.1	9.1	↑↓
318	-20°	2624	8	32.9	-20	57.1	9.0	↑↓
319	-19°	2483	8	31.4	-19	48.3	8.0	↑↓
320	-19°	2480	8	30.9	-19	44.3	9.2	↑↓
321	-18°	2355	8	22.0	-18	40.0	9.4	↑↓
322	-18°	2345	8	20.6	-18	43.8	9.1	↑↓
323	-19°	2413	8	21.4	-19	13.4	9.3	↑↓
324	-18°	2354	8	21.9	-18	57.8	9.0	↑↓

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No.	Int.	Class	Remarks.
325	1	a3	
326	2	g5	
327	2	g5	
328	4	a2	
329	1	Mb	
330	1	a	
331	2	a0	
332	3	g5	
333	2	F8	
334	2	g5	
335	1	a	
336	2	K2	
337	1	K0	
338	2	g5	
339	4	F0	Partly superposed on 340
340	3	F0	" " " 339
341	4	F8	
342	3	K0	
343	6	a0	
344	3	K0	
345	2	g0	
346	2	g0	
347	1	F8	
348	1	Ma	
349	1	g5	
350	5	F2	Another star superposed on preced side
351	2	K0	

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325	−18°	2357	8	22.2	−18	54.5	9.5	∧ ∨
326	−19°	2418	8	22.1	−19	17.5	9.2	∧ ∨
327	−19°	2422	8	22.7	−19	8.3	9.3	∧ ∨
328	−19°	2425	8	23.4	−19	15.4	9.2	∧ ∨
329	−19°	2427	8	23.7	−19	34.6	9.1	∧ ∨
330	−19°	2430	8	24.2	−19	25.0	9.5	∧ ∨
331	−19°	2432	8	24.6	−19	41.1	9.1	∧ ∨
332	−19°	2439	8	25.0	−19	40.7	9.1	∧ ∨
333	−19°	2440	8	25.2	−19	33.8	9.3	∧ ∨
334	−19°	2431 ~~25.0~~	~~8~~	25.0	−19	51.2	9.0	∧ ∨
335	−19°	2438 ~~24.8~~	8	24.8	−19	53.8	9.5	∧ ∨
336	−20°	2584	8	26.0	−20	5.7	9.0	∧ ∨
337	−19°	2449	8	26.2	−19	47.5	9.1	∧ ∨
338	−19°	2446	8	26.0	−19	35.0	9.1	∧ ∨
339	−19°	2452	8	27.0	−19	14.7	8.8	∧ ∨
340	−19°	2453	8	27.0	−19	16.7	9.0	∧ ∨
341	−19°	2460	8	27.8	−19	4.3	9.0	∧ ∨
342	−19°	2466	8	29.0	−19	17.1	8.6	∧ ∨
343	−19°	2469	8	29.4	−19	34.7	8.8	∧ ∨
344	−19°	2474	8	30.1	−19	31.6	9.0	∧ ∨
345	−19°	2477	8	30.5	−19	19.8	9.1	∧ ∨
346	−19°	2482	8	31.3	−19	1.2	9.3	∧ ∨
347	−18°	2424	8	32.2	−18	37.1	9.4	∧ ∨
348	−19°	2475	8	30.1	−19	2.3	9.1	∧ ∨
349	−18°	2415	8	30.2	−18	33.3	9.4	∧ ∨
350	−19°	2467	8	29.0	−19	51.0	8.7	∧ ∨ −19° 2465 superposed 9.4
351	−20°	2595	8	28.1	−20	10.9	9.0	∧ ∨

cards made out

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Friday, September 5, 1913.

B 24583

No.	Int.	Class	Remarks.
352	3	K0	
353	2	a	Edge
354	3	a3	Edge.
355	2	K0	Edge
356	2	a	Edge
357	2	K5	Edge
358	8	B8	
359	1	G5	
360	1	K0	
361	2	a3	
362	20	a3	
363	3	G0	
364	3	G0	
365	4	a2	Another star superposed at North.
366	3	B9	
367	2	F8	
368	1	K0	
369	3	a0	
370	2	F0	
371	3	F8	
372	4	a0	
373	1	M6	
374	6	a2	
375	4	F8	
376	4	K0	
377	1	K5	
378	6	K5	

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352	−20°	2598	8	28.3	−20	3.9	8.9	∧ ∨
353	−20°	2592	8	28.0	−20	23.4	9.4	∧ ∨
354	−20°	2603	8	28.5	−20	21.5	9.1	∧ ∨
355	−20°	2612	8	30.2	−20	7.9	9.0	∧ ∨
356	−20°	2586	8	26.7	−20	17.8	9.3	∧ ∨
357	−21°	2476	8	26.6	−21	15.5	8.5	∧ ∨
358	−18°	2364	8	23.0	−18	16.5	7.5	∧ ∨
359	−18°	2365	8	23.1	−18	14.0	9.8	∧ ∨
360	−18°	2371	8	23.9	−18	10.2	9.3	∧ ∨
361	Approx.	1855	8	23.8	−18	44		∧ ∨
362	−18°	2372	8	23.9	−18	46.5	9.1	∧ ∨
363	−18°	2374	8	24.4	−18	35.0	9.3	∧ ∨
364	−18°	2376	8	24.5	−18	34.0	9.2	∧ ∨
365	−18°	2382	8	25.6	−18	42.4	9.0	∧ ∨ −18° 2383 superposed 9.4
366	Approx.	1855	8	25.8	−18	45		∧ ∨
367	−18°	2385	8	25.9	−18	51.1	9.5	∧ ∨
368	−18°	2389	8	26.2	−18	56.2	9.5	∧ ∨
369	−18°	2387	8	25.9	−18	27.4	9.4	∧ ∨
370	−18°	2390	8	26.2	−18	31.4	9.3	∧ ∨
371	−18°	2391	8	26.4	−18	36.1	9.0	∧ ∨
372	−18°	2393	8	26.7	−18	21.2	9.0	∧ ∨
373	−18°	2394	8	27.2	−18	17.0	9.1	∧ ∨
374	−18°	2400	8	28.2	−18	15.2	9.0	∧ ∨
375	−18°	2401	8	28.4	−18	16.5	9.0	∧ ∨
376	−18°	2397	8	28.1	−18	28.4	8.8	∧ ∨
377	−18°	2402	8	28.4	−18	27.6	9.3	∧ ∨
378	−18°	2404	8	28.8	−18	32.2	7.8	∧ ∨

Cards made out

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Friday, September 5, 1913.

B24583

No. 37	Int	Class.	Remarks.
379	3	K0	
380	5	F8	
381	2	K0	
382	2	A2	
383	3	A5	
384	3	F8	
385	1	K2	
386	2	F5	
387	2	A0	Another star superposed at North.
388	2	F5	
389	2	K0	
390	4	A0	
391	8	K0	
392	4	A2	
393	3	~~A5~~	
394	3	F0	
395	3	A2	
396	4	A3	
397	2	A3	Another star superposed at North.
398	3	K0	$-18^\circ 2\,45$ 9.2 mag. Probably same class
399	4	K0	
400	7	F2	
401	4	A0	Edge.
11.36 402	3	K0	Edge.

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379	-18°	2406	8	29.2	-18	34.3	9.0	∧ ∨
380	-18°	2408	8	29.4	-18	16.1	9.0	∧ ∨
381	-18°	2409	8	29.5	-18	13.8	9.1	∧ ∨
382	-18°	2410	8	29.7	-18	15.1	9.7	∧ ∨
383	-18°	2405	8	29.0	-18	2.9	9.4	∧ ∨
384	-17°	2572	8	29.1	-17	51.7	9.2	∧ ∨
385	-17°	2570	8	28.8	-17	58.2	9.4	∧ ∨
386	-17°	2573	8	29.3	-17	18.4	9.1	∧ ∨
387	-17°	2565	8	28.1	-17	53.8	9.4	∧ ∨ 9.4 -17° 2564 superposed
388	-18°	2451	8	36.1	-18	53.5	9.3	∧ ∨
389	-19°	2511	8	36.9	-19	3.4	9.1	∧ ∨
390	-19°	2510	8	36.8	-19	33.8	8.9	∧ ∨
391	-19°	2515	8	37.8	-19	44.2	7.3	∧ ∨
392	-19°	2519	8	38.8	-19	40.6	8.9	∧ ∨
393	-19°	2518	8	38.7	-19	8.2	9.1	∧ ∨
394	-18°	2464	8	38.6	-18	45.7	9.1	∧ ∨
395	-19°	2517	8	38.1	-19	4.7	9.2	∧ ∨
396	-19°	2516	8	37.9	-19	10.8	9.1	∧ ∨
397	-19°	2514	8	37.6	-19	6.7	9.1	∧ ∨ Cat. The star superposed is not cat.
398	-18°	2458	8	37.3	-18	42.8	9.2	∧ ∨ 2408 mags 9.8 -18 subexposed perhaps both plates underexposed
399	-18°	2462	8	37.9	-18	33.2	8.7	∧ ∨
		2470	8	39.6	-18	37.9	8.0	
400	-18°	2469	8	39.4	-18	43.6	9.6	∨
401	-20°	2651	8	36.4	-20	9.7	9.0	∧ ∨
402	-20°	2655	8	37.0	-20	35.1	8.7	∧ ∨

Identified by J. C. M. Nov. 26, 1913.
Checked November 28. 1913. HDW.
Cards made out by G. R. B.
Cards checked by LMC.

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1913phae.proj.2150C

Friday, September 5, 1913.

B 20801 short

11 46	No.	Int.	Class.	Remark.
	1	7	a2	
	2	4	a3	
	3	3	B9	
	4	2	B8	
	5	3	K5	
	6	2	g5	
	7	7	B8	
	8	8	B5	
	9	2	a0	
	10	4	a0	
	11	5	B8	
	12	4	B9	
	13	5	a0	Partly superposed on 14.
	14	6	a2	
	15	7	B8	
	16	4	a0	
	17	6	F0	
	18	3	B9	
	19	7	a5	
	20	5	a0	
	21	7	B9	
	22	7	K2	
	23	3	F5	
	24	3	B9	
	25	3	B p γ, δ, e	~~Double~~ ~~2 stars ? yes~~ Perhaps B8.
	26	10+	B	Burned out.
	27	4	a0	

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1913phae.proj.21500C

1	-9°	1854	7	0.5	-9	45.9	7.3 ∧ ∨
2	-10°	1887	7	1.4	-10	33.1	8.7 ∧ ∨
3	-10°	1894	7	2.5	-10	25.8	8.9 ∧ ∨
4	-10°	1897	7	2.8	-10	48.3	8.8 ∧ ∨
5	-10°	1900	7	3.4	-10	53.2	8.0 ∧ ∨
6	-10°	1904	7	4.2	-10	30.1	9.0 ∧ ∨
7	-10°	1906	7	4.4	-10	18.3	8.1 ∧ ∨
8	-10°	1908	7	4.5	-10	11.6	7.5 ∧ ∨
9	-10°	1907	7	4.4	-10	27.9	9.0 ∧ ∨
10	-9°	1901	7	5.3	-9	41.7	9.1 ∧ ∨
11	-9°	1905	7	5.7	-9	36.4	8.2 ∧ ∨
12	-9°	1903	7	5.6	-9	54.7	8.8 ∧ ∨
13	-9°	1880	7	3.3	-9	6.8	8.4 ∧ ∨
14	-9°	1881	7	3.3	-9	4.7	8.0 ∧ ∨
15	-9°	1887	7	3.9	-9	6.4	7.2 ∧ ∨
16	-9°	1890	7	4.0	-9	13.4	8.8 ∧ ∨
17	-8°	1779	7	4.3	-8	53.4	7.4 ∧ ∨
18	-9°	1895	7	4.4	-9	4.5	9.0 ∧ ∨
19	-8°	1802	7	6.4	-8	37.3	7.5 ∧ ∨
20	-8°	1805	7	6.8	-8	41.0	7.8 ∧ ∨
21	-9°	1912	7	7.0	-9	12.7	7.8 ∧ ∨
22	-9°	1921	7	7.4	-9	42.2	5.7 ∧ ∨
23	-9°	1928	7	7.8	-9	37.9	8.5 ∧ ∨
24	-9°	1929	7	7.8	-9	57.8	9.1 ∧ ∨
25	-10°	1934	7	7.7	-10	2.5	9.0 ∧ ∨
26	-10°	1933	7	7.6	-10	3.9	6.4 ∧ ∨
27	-10°	1936	7	7.8	-10	17.9	9.1 ∧ ∨

~~to be~~ drafted ~~changed~~

-10° 1935 magn. 9.4 subsequent

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1913phae.proj.2150C

Friday, September 5, 1913.

B 20801

No.	Dut	Class	Remark.
28	5	F0	
29	7	K0	
30	4	K0	
31	2	B9	.
32	2	a0	
33	2	B	Almost continuous.
34	3	B9	
35	8	B8	
36	7	B3	
37	2	a2	
38	6	G5	
39	2	B9	
40	3	a2	
41	5	B9	
42	7	B8	
43	3	B8	K lines strong for this class. Double ?
44	8	B8	
45	2	a2	
46	4	B9	
47	5	B8	
48	6	B9	
49	2	a0	
50	8	F5	
51	3	F0	
52	3	K0	
53	2	a0	
54	5	F0	

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28	−10°	1928	7	7.1	−10	11.8	8.1	↑ ✓
29	−11°	1849	7	6.3	−11	0.6	6.3	↑ ✓
30	−11°	1847	7	6.0	−11	21.5	8.3	↑ ✓
31	−11°	1846	7	6.0	−11	3.2	9.4	↑ ✓
32	−10°	1918	7	5.8	−10	53.4	9.2	↑ ✓
33	−10°	1916	7	5.6	−10	45.1	8.8	↑ ✓
34	−10°	1914	7	5.4	−10	42.8	9.2	↑ ✓
35	−11°	1826	7	4.0	−11	20.6	8.2	↑ ✓
36	−11°	1822	7	3.4	−11	34.7	8.0	↑ ✓
37	−11°	1827	7	4.0	−11	31.1	9.0	↑ ✓
38	−11°	1830	7	4.5	−11	48.3	7.5	↑ ✓
39	−11°	1837	7	5.4	−11	48.7	9.1	↑ ✓
40	−11°	1841	7	5.7	−11	50.9	9.0	↑ ✓
41	−11°	1845	7	6.0	−11	50.0	8.7	↑ ✓
42	−12°	1842	7	6.2	−12	8.1	8.5	↑ ✓
43	−12°	1843	7	6.2	−12	21.8	9.0	↑ Not double on chart plate B 24201
44	−12°	1860	7	7.5	−12	34.1	7.9	↑ ✓
45	−12°	1861	7	7.6	−12	16.7	9.0	↑ —
46	−11°	1853	7	7.7	−11	59.0	8.6	↑ ✓
47	−11°	1858	7	8.2	−11	37.5	8.3	↑ ✓
48	−12°	1872	7	9.2	−12	17.3	8.1	↑ ✓
49	−11°	1866	7	9.6	−11	50.2	9.1	↑ ✓
50	−11°	1874	7	10.4	−11	46.3	7.1	↑ ✓
51	−11°	1879	7	11.0	−11	42.1	8.9	↑ ✓
52	−11°	1867	7	9.8	−11	14.1	8.5	↑ ✓
53	−11°	1864	7	9.3	−11	30.1	9.1	↑ ✓
54	−11°	1881	7	11.4	−11	8.3	8.5	↑ ✓

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No.	Int.	Class.	Remark.
55	5	B9	
56	8	K0	
57	3	K5	
58	4	F8	
59	4	K2	
60	4	a0	
61	4	a5	
62	6	a0	
63	5	a0	
64	4	F2	
65	3	a0	
66	3	a2	
67	2	a0	
68	2	a0	
69	2	B	Lines very faint. Cannot subdivide.
70	3	a0	
71	3	a0	
72	5	F8	
73	4	a0	
74	6	F8	
75	3	a2	
76	3	F0	
77	8	F5	
78	10 +	B	
79	4	F0	
80	7	F0	
81	5	B	Edge.

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55	−10°	1971	7	11.3	−10	23.9	8.5 ∧ ∨
56	−10°	1945	7	8.9	−10	20.1	6.3 ∧ ∨
57	−9°	1953	7	10.0	−9	28.6	8.3 ∧ ∨
58	−9°	1964	7	11.2	−9	15.5	8.3 ∧ ∨
59	−8°	1836	8 7	11.7	−8	52.1	7.6 ∧ ∨
60	−8°	1843	7	12.9	−8	55.9	8.5 ∧ ∨
61	−9°	1992	7	13.6	−9	22.9	8.7 ∧ ∨
62	−9°	1994	7	14.0	−9	33.2	8.2 ∧ ∨
63	−10°	1985	7	12.5	−10	15.2	8.7 ∧ ∨
64	−10°	1976	7	11.7	−10	55.9	8.7 ∧ ∨
65	−10°	1986	7	12.6	−10	56.3	9.2 ∧ ∨
66	−10°	1996	7	13.7	−10	58.6	8.5 ∧ ∨
67	−10°	2002	7	14.2	−10	36.8	9.2 ∧ ∨
68	−10°	2009	7	15.0	−10	28.1	9.2 ∧ ∨
69	−10°	2015	7	15.5	−10	33.1	9.0 ∧ ∨
70	−10°	2023	7	16.6	−10	15.9	8.9 ∧ ∨
71	−9°	2021	7	16.4	−9	58.9	8.5 ∧ ∨
72	−9°	2020	7	16.4	−9	47.3	8.0 ∧ ∨
73	−9°	2014	7	16.2	−9	45.0	8.7 ∧ ∨
74	−9°	2011	7	15.9	−9	21.4	7.8 ∧ ∨
75	−9°	2018	7	16.4	−9	21.0	8.7 ∧ ∨
76	−9°	2022	7	16.6	−9	32.1	8.4 ∧ ∨
77	−8°	1862	7	14.3	−8	36.1	6.5 ∧ ∨
78	−8°	1872	7	15.1	−8	42.5	6.6 ∧ ∨
79	−8°	1875	7	15.7	−8	45.9	8.3 ∧ ∨
80	−8°	1849	7	13.2	−8	16.8	7.3 ∧ ∨
81	−8°	1856	7	13.7	−8	9.8	8.2 ∧ ∨

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1913phae.proj.2150C

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B 20801

No.	Int.	Class	Remarks.
82	4	Ma	
83	5	A2	
84	8	B5	
85	4	G5	
86	2	A0	
87	5	K0	
88	3	A0	
89	7	B9	
90	3	B8	
91	1	A0	Partly superposed on 90
92	5	B8	
93	4	B9	
94	6	G5	
95	8	B8	
96	10	A0	
97	4	B9	
98	6	A0	
99	2	K0	
100	7	K0	
101	5	A2	
102	10	A2	
103	8	F5	
104	3	A0	
105	2	K0	
106	3	A0	
107	2	K5	
108	3	A2	

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1913phae.proj.2150C

82	−8°	1839	7	12.4	−8	31.3	7.5 ∧ ∪
83	−7°	1851	7	9.9	−7	16.2	7.6 ∧ ∪
84	−12°	1809	7	1.8	−12	39.4	7.5 ∧ ∪
85	−12°	1808	7	1.8	−12	52.4	8.5 ∧ ∪
86	−12°	1816	7	3.1	−12	51.0	9.0 ∧ ∪
87	−13°	1851	7	3.3	−13	23.7	7.0 ∧ ∪
88	−12°	1824	7	4.2	−12	58.3	8.6 ∧ ∪
89	−12°	1832	7	4.8	−12	50.0	7.8 ∧ ∪
90	−12°	1825	7	4.4	−12	17.4	9.0 ∧ ∪
91	−12°	1827	7	4.5	−12	17.4	9.1 ∧ ∪
92	−13°	1902	7	8.8	−13	19.1	8.7 ∧ ∪
93	−13°	1904	7	9.1	−13	2.4	8.5 ∧ ∪
94	−12°	1871	7	9.2	−12	48.4	7.3 ∧ ∪
95	−13°	1913	7	10.0	−13	11.7	7.5 ∧ ∪
96	−13°	1914	7	10.1	−13	25.5	7.3 ∧ ∪
97	−13°	1908	7	9.5	−13	28.4	8.9 ∧ ∪
98	−13°	1905	7	9.4	−13	41.3	8.0 ∧ ∪
99	−13°	1906	7	9.4	−13	51.6	8.3 ∧ ∪
100	−14°	1790	7	8.5	−14	21.6	7.2 ∧ ∪
101	−14°	1795	7	9.2	−14	14.6	8.5 ∧ ∪
102	−14°	1797	7	9.5	−14	15.1	7.2 ∧ ∪
103	−14°	1810	7	10.5	−14	35.1	8.2 ∧ ∪
104	−13°	1935	7	12.1	−13	59.1	9.0 ∧ ∪
105	−14°	1825	7	12.5	−14	18.9	8.6 ∧ ∪
106	−14°	1836	7	13.3	−14	0.6	9.1 ∧ ∪
107	−13°	1951	7	13.5	−13	44.1	8.2 ∧ ∪
108	−13°	1963	7	14.6	−13	47.7	8.8 ∧ ∪

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1913phae.proj.2150C

Friday, September 5, 1913.

B 20801

	No.	Int.	Class.	Remarks.
	109	10	K0	
	110	4	A2	
	111	4	A0	
	112	4	B8	
	113	1	K2	
	114	2	B9	
	115	3	B9	
	116	2	A0	
	117	2	B9	
	118	2	K	Nearly all superposed on 119.
	119	2	A0	
	120	2	A2	
	121	2	B8	
	122	5	A0	
	123	3	F0	
	124	3	K2	
	125	6	A0	
	126	4	B9	
	127	5	A3	
	128	3	A0	
	129	2	A0	
12 11	130	3	A2	
	~~131~~			

Conh. 134, 52

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1913phae.proj.21500

109	−14°	1846	7	14.3	−14	5.2	6.2 ∧ ∪
110	−14°	1853	7	14.6	−14	5.3	8.8 ∧ ∪
111	−12°	1911	7	14.5	−12	40.0	8.8 ∧ ∪
112	−12°	1909	7	14.4	−12	1.0	8.8 ∧ ∪
113	−12°	1904	7	13.5	−12	1.2	8.7 ∧ ∪
114	−11°	1889	7	12.9	−11	57.0	9.0 ∧ ∪
115	−12°	1898	7	12.6	−12	14.7	8.8 ∧ ∪
116	−11°	1882	7	11.4	−11	56.5	9.4 ∧ ∪
117	−12°	1882	7	10.3	−12	21.2	9.0 ∧ ∪
118	−12°	1883	7	10.4	−12	35.7	8.5 ∧ ∪
119	−12°	1884	7	10.4	−12	37.5	9.3 ∧ ∪
120	−12°	1880	7	10.2	−12	28.4	9.3 ∧ ∪
121	−12°	1886	7	10.7	−12	32.3	9.2 ∧ ∪
122	−13°	1979	7	16.7	−13	4.7	8.0 ∧ ∪
123	−12°	1942	7	17.3	−12	29.0	9.0 ∧ ∪
124	−11°	1924	7	17.7	−11	55.5	8.2 ∧ ∪
125	−12°	1954	7	18.2	−12	3.2	8.5 ∧ ∪
126	−11°	1934	7	19.2	−11	43.1	8.4 ∧ ∪
127	−11°	1937	7	19.4	−11	47.2	8.5 ∧ ∪
128	−11°	1911	7	15.6	−11	43.6	8.6 ∧ ∪
129	−11°	1907	7	14.9	−11	33.7	8.7 ∧ ∪
130	−11°	1922	7	17.4	−11	8.0	8.7 ∧ ∪

Identified by A.m.C. Nov. 18, 1913
Checked Jan. 13th. 1914 G.R.W.
Cards made out by G.R.B.
Cards checked by A.m.C.

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1913phae.proj.2150C

Friday, September 5, 1913.

B 24606 short.

	No.	Int.	Class.	Remark.
12 13	1	2	K0	
	2	1	A2	
	3	1	G0	
	4	2	A0	
	5	2	A0	
	6	2	B9	
	7	2	A0	
	8	1	K0	
	9	3	A0	
	10	3	K0	
	11	4	A0	
	12	1	G5	
	13	1	K2	
	14	1	K0	
	15	1	A2	
	16	3	F0	
	17	1	G	Partly superposed on 16.
	18	2	K5	
	19	2	F5	Partly superposed on 20
	20	2	B8	Difficult. Nearly all superposed on 19.
	21	3	B8	
	22	2	B9	
	23	3	B8	
	24	2	B8	
	25	2	B9	
	26	3	B9	
	27	3	B9	

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1913phae.proj.2150c

1	−11°	1824	7	3.6	−11	0.9	9.2	∧ ∨
2	Approx.	1855	7	3.7	−11	1		∧ ∨
3	−11°	1825	7	3.9	−11	15.5	9.4	∧ ∨
4	−10°	1905	7	4.3	−10	58.6	9.8	∨ ∨
5								
6	−11°	1828	7	4.3	−11	18.0	10	∧ ∨
7	−11°	1829	7	4.5	−11	16.3	9.7	∧ ∨
8	−11°	1832	7	4.6	−11	14.5	9.5	∧ ∨
9	−11°	1833	7	5.0	−11	5.8	9.8	∧ ∨
10	−11°	1836	7	5.4	−11	9.2	9.3	∧ ∨
11	−11°	1834	7	5.0	−11	26.9	9.7	∧ ∨
12	−11°	1840	7	5.7	−11	32.4	9.3	∧ ∨
13	−11°	1848	7	6.3	−11	22.8	9.4	∧ ∨
14	−10°	1921	7	6.1	−10	58.7	9.5	∧ ∨
15	Approx.	1855	7	6.6	−10	46		∧ ∨
16	−10°	1923	7	6.3	−10	28.5	9.5	∧ ∨
17	−10°	1922	7	6.3	−10	35.5	9.8	∧ ∨
18	−10°	1924	7	6.4	−10	24.4	9.3	∧ ∨
19	−10°	1925	7	6.7	−10	16.0	9.0	∧ ∨
20	−10°	1926	7	6.7	−10	14.8	9.2	∧ ∨
21	−9°	1913	7	7.0	−9	58.8	9.2	∧ ∨
22	−9°	1914	7	7.1	−9	54.0	9.3	∧ ∨
23	−9°	1923	7	7.5	−9	58.5	9.3	∧ ∨
24	−10°	1930	7	7.3	−10	12.3	9.3	∧ ∨
25	−10°	1939	7	8.2	−10	16.3	9.6	∧ ∨
26	−10°	1944	7	8.6	−10	9.5	9.4	∧ ∨
27	−10°	1937	7	8.0	−10	44.4	9.5	∧ ∨

Only 1 D.M. star fr 4 + 5.

−9° 1927 7 7.0 −9 0.1 mags. 10.0 Superposed.

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1913phae.proj.2150C

Friday, September 5, 1913.

B 24606

Dro.	Dut.	Class.	Remarks.
28	2	a2	
29	3	F0	
30	4	K0	
31	1	a	
32	2	B9	
33	4	B9	
34	2	K0	
35	3	a3	
36	3	K0	
37	2	a2	
38	2	K0	
39	1	a0	
40	1	F5	
41	2	a0	
42	3	a2	
43	1	a0	
44	1	a0	
45	2	a0	The southern of two.
46	3	K0	
47	2	a0	
48	1	a0	
49	2	a0	
50	1	a	
51	4	F5	
52	3	a0	
53	2	a0	
54	3	K0	

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1913phao..proj..21506

28	−10°	1938	7	8.1	−10	41.4	9.5	∧	∨
29	−10°	1941	7	8.5	−10	37.7	9.5	∧	∨
30	−10°	1943	7	8.6	−10	38.5	8.7	∧	∨
31	Approx. −10°	1855 1940	7	3 8.4	−10	49.0	~~9.3~~	∧	∨
32	−10°	1940	7	8.4	−10	49.0	9.3	∧	∨
33	−10°	1947	7	9.0	−10	43.8	9.1	∧	∨
34	−10°	1951	7	9.3	−10	37.8	9.1	∧	∨
35	−10°	1950	7	9.1	−10	52.4	9.3	∧	∨
36	−11°	1863	7	9.1	−11	0.6	8.4	∧	∨
37	Approx.	1855	7	1 8.8	−11	9		/	∨
38	−11°	1856	7	8.0	−11	7.6	9.4	∧	∨
39	Approx.	1855	7	7.7	−11	22		∧	∨
40	−11°	1851	7	6.7	−11	16.5	9.5	∧	∨
41	−11°	1859	7	8.4	−11	31.3	10	∧	∨
42	−11°	1860	7	8.4	−11	44.6	9.7	∧	∨
	Approx	POA 1855	7	8.7	−11	34			
43	−11	1862	7	8.8	−11	37.9	9.4		∨
44	−11°	1869	7	10.0	−11	44.7	10	∧	∨
45	−11°	1871	7	10.1	−11	56.6	9.5	∧	∨ −11° 1870 7 10.1 −11 54.8 mag 4. 9.7 superposed
46	−11°	1872	7	10.2	−11	28.0	9.1	∧	∨
47	−11°	1873	7	10.3	−11	20.5	9.7	∧	∨
48	Approx.	1855	7	10.4	−11	24		∧	∨
49	Approx	1855	7	10.0	−11	8		∧	∨
5 $80	−11°	8 1968	7	9.9	−11	12.1	10	∧	∨
5 $81	−10°	1954	7 +0	9.6	−10	50.7	9.1	∧	∨
5 $82	−10°	1961	7 +0	10.2	−10	50.2	9.4	∧	∨
5 $83	−10°	1968	7	11.1	−10	56.8	9.4	∧	∨
5 $84	−10°	1974	7	11.4	−10	43.2	8.8	∧	∨

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Friday September 5, 1913.

B24606

No.	Int.	Class.	Remarks
55	2	a0	Partly superposed on 56.
56	4	a0	
57	2	a3	
58	1	G5	
59	2	B8	
60	2	B9	
61	3	B3	
62	5	a0	
63	2	F8	
64	2	G0	
65	2	a2	
66	2	MB	
67	3	a2	
68	2	a2	
69	4	a0	Another star superposed at South.
70	1	K0	
71	4	a0	
72	3	F2	
73	1	a	
74	4	F5	
75	2	B	
76	3	a0	
77	3	a0	
78	2	G5	
79	1	F5	
80	2	a2	
12 26	81	1	K0

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55	−10°	1970	7	11.2	−10 ~~−55~~	56.6	9.5	∧ ∨
56	−10°	1972	7	11.3	−10 −~~5~~	59.0	9.4	∧ ∨
57	Approx.	1855	7	11.0	−11	8		∧ ∨
58	−11°	1878	7	10.9	−11	22.0	9.6	∧ ∨
59	Approx	1855	7	10.8	−11	37		∧ ∨
60	−11°	1880	7	11.1	−11	22.9	9.5	∧ ∨
61	−11°	1883	7	11.4	−11	42.3	9.5	∧ ∨
62	−11°	1882	7	11.4	−11	56.5	9.4	∧ ∨
63	−11°	1876	7	10.8	−11	54.5	9.8	∧ ∨
64	−11°	1877	7	10.8	−11	52.2	9.5	∧ ∨
65	−11°	1884	7	12.3	−11	53.0	9.7	∧ ∨
66	−11°	1885	7	12.4	−11	11.8	9.0	∧ ∨
67	Approx.	1855	7	12.9	−11	6		∧ ∨
68	−11°	1890	7	13.0	−11	12.9	9.8	∧ ∨
69	−11°	1887	7	12.8	−11	21.7	9.5	∧ ∨ −11 1886 superposed 10
70	−11°	1891	7	13.1	−11	38.8	9.0	∧ ∨
71	−11°	1895	7	13.8	−11	43.0	9.5	∧ ∨
72	−11°	1902	7	14.3	−11	52.6	9.4	∧ ∨
73	Approx	1855	7	13.3	−11	58		∧ ∨
74	−12°	1902	7	13.2	−12	7.8	9.5	∧ ∨
75	−12°	1900	7	13.1	−12	16.6	9.7	∧ ∨
76	−12°	1903	7	13.2	−12	24.2	9.5	∧ ∨
77	−12°	1901	7	13.2	−12	31.4	9.7	∧ ∨
78	−12°	1905	7	13.5	−12	34.1	9.4	∧ ∨
79	−12°	1907	7	14.1	−12	32.0	9.5	∧ ∨
80	−12°	1908	7	14.4	−12	21.7	9.8	∧ ∨
81	−12°	1914	7	14.6	−12	23.1	9.3	∧ ∨

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	No.	Int.	Class.	Remark.
9 58	82	4	K0	
	83	1	a0	
	84	3	K5	
	85	2	a0	
	86	3	a2	
	87	1	a0	
	88	5	B9	
	89	4	K0	
	90	1	a2	Partly superpaid on 89.
	91	4	a0	
	92	1	K2	
	93	3	a0	
	94	3	a	Too much superpaid on 95.
	95	5	B8	
	96	2	a0	
	97	3	K0	
	98	1	a0	
	99	4	a0	
	100	5	a0	
	101	1	K0	
	102	3	a0	
	103	2	a0	
	104	3	F0	
	105	3	K0	
	106	4	K5	
	107	2	a0	
	108	5	a2	

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1913phae.proj.2150C

82	-12°	1915	7	14.8	-12	44.2	9.0	✓ -12° 1916 7 14.8 -12 46.7 magn. 9.6 superposed
83	-12°	1917	7	14.9	-12	49.8	10	✓
84	-12°	1920	7	15.4	-12	21.4	9.1	✓
85	Approx.	1855	7	15.5	-12	~~21~~ 20		✓
86	-12°	1922	7	15.6	-12	11.8	9.5	✓
87	Approx.	1855	7	15.6	-12	40		✓
88	-12°	1925	7	16.1	-12	30.6	9.2	✓
89	-12°	1927	7	16.2	-12	15.0	8.7	✓
90	-12°	1926	7	16.2	-12	16.6	9.4	✓ -12° 1928 7 16.3 -12 21.0 magn. 9.4 superposed
91	-12°	1929	7	16.4	-12	18.8	9.2	✓
92	-12°	1930	7	16.5	-12	18.0	9.3	✓
93	-12°	1932	7	16.7	-12	11.5	9.3	✓
94	-12°	1934	7	16.7	-12	19.0	9.1	✓
95	-12°	1933	7	16.7	-12	23.5	8.9	✓ ~~Dble. on chart plate ? Maybe the other component is the cat. star~~
96	-12°	1935	7	16.8	-12	38.4	9.8	✓
97	-12°	1938	7	17.1	-12	42.6	8.8	✓
98	-11°	1919	7	17.2	-11	51.7	9.8	✓
99	-12°	1939	7	17.1	-12	1.6	9.2	✓
100	-12°	1937	7	17.1	-12	12.5	9.1	✓
101	-12°	1941	7	17.3	-12	7.6	9.4	✓
102	-12°	1944	7	17.5	-12	3.3	9.3	✓
103	-12°	1950	7	17.9	-12	2.9	9.8	✓ -11° 1926 7 17.9 -11 59.5 magn. 9.9 superposed
104	-12°	1955	7	18.3	-12	20.0	9.5	✓
105	-12°	1957	7	18.5	-12	29.5	9.1	✓
106	-12°	1959	7	18.9	-12	17.4	8.7	✓
107	Approx.	1855	7	19.0	-12	28		✓
108	-12°	1962	7	19.2	-12	0.9	9.0	✓

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Saturday, September 6, 1913.

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No.	Int.	Class.	Remark.
109	4	F8	
110	1	a0	
111	2	a3	
112	2	B9	
113	8	a0	
114	10	B9	
115	6	a0	
116	4	K2	
117	7	F5	
118	4	F0	
119	4	a0	Partly superposed on 118.
120	3	a0	
121	2	a	Nearly all superposed on 120.
122	2	a0	
123	2	K2	
124	4	a0	
125	3	a0	
126	2	a2	
127	2	F5	
128	1	K5	
129	4	a0	
130	2	a0	
131	6	a0	
132	1	K5	
133	6	a0	
134	4	a0	
135	3	a0	

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1913phae.proj.2150C

109	−12°	1963	7	19.3	−12	3.6	9.0	∧ ∨
110	Approx.	1855	7	19.6	−11	~~59~~ 58		∧ ∨
111	−11°	1939	7	20.0	−11	53.8	9.9	∧ ∨
112	Approx	1855	7	20.1	−11	45		∧ ∨
113	−12°	1971	7	20.0	−12	10.4	8.5	∧ ∨
114	~~−11°~~ −11°	1942	7	20.3	−11	55.7	8.3	∧ ∨
115	−11°	1946	7	20.6	−11	45.5	9.2	∧ ∨
116	−12°	1978	7	20.6	−12	3.9	8.5	∧ ∨
117	−12°	1979	7	20.8	−12	7.5	8.5	∧ ∨
118	−12°	1974	7	20.3	−12	12.6	9.0	∧ ∨
119	−12°	1976	7	20.4	−12	12.6	9.2	∧ ∨
120	Approx.	1855	7	20.5	−12	22		∧ ∨
121	−12°	1977	7	20.6	−12	18.0	9.8	∧ ∨
122	Approx.	1855	7	20.6	−12	10		∧ ∨
123	−12°	1973	7	20.2	−12	38.7	9.1	∧ ∨
124	−12°	1981	7	21.1	−12	23.9	9.4	∧ ∨
125	−12°	1984	7	21.4	−12	25.4	9.4	∧ ∨
126	−11°	1956	7	21.8	−11	59.0	9.8	∧ ∨
127	−11°	1961	7	22.0	−11	44.5	9.6	∧ ∨
128	−11°	1960	7	22.0	−11	52.3	9.1	∧ ∨
129	−11°	1962	7	22.2	−11	48.0	9.0	∧ ∨
130	Approx	1855	7	22.4	−11	~~38~~ 39		∧ ∨
131	−11°	1964	7	22.5	−11	46.0	9.0	∧ ∨
132	−11°	1963	7	22.3	−11	56.3	9.7	∧ ∨
133	−12°	1989	7	22.3	−12	3.4	8.9	∧ ∨
134	−12°	1990	7	22.5	−12	31.9	9.0	∧ ∨
135	−12°	1992	7	22.7	−12	24.1	9.2	∧ ∨

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1913phae.proj.2150C

Saturday, September 6, 1913.

B24606

No.	Int.	Class.	Remark.
136	5	a0	
137	2	G5	
138	3	a0	
139	3	a0	
140	5	F5	
141	3	a0	
142	~~2~~ 1	K5	
143	2	a0	
144	10	a	
145	4	a0	
146	2	K0	
147	3	a0	
148	8	a0	
149	1	Pec.. N ?	Perhaps resembling π' Gruis.
150	2	B9	
151	3	a0	
152	5	K0	
153	5	F0	
154	10+	—	Burned out.
155	3	K0	
156	2	B8	
157	1	a0	
158	3	a0	
159	3	F5	
160	1	K0	
161	4	a0	
162	10+	B?	Burned out.

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1913phae.proj.2150C

136	−12°	1993	7	22.9	−12	13.1	8.9	1 ✓
137	−11°	1968	7	23.1	−11	48.0	9.5	1 ✓
138	−11°	1972	7	23.3	−11	44.8	9.4	1 ✓
139	−11°	1969	7	23.1	−11	59.8	9.6	1 ✓
140	−12°	1994	7	23.2	−12	3.5	8.7	1 ✓
141	−11°	1971	7	23.3	−11	30.6	9.5	1 ✓
142	−11°	1966	7	22.8	−11	32.2	9.3	1 ✓
143	−11°	1965	7	22.6	−11	21.9	9.4	1 ✓
144	−10°	2061	7	21.4	−10	58.1	8.0	1 ✓
145	−10°	2059	7	21.3	−10	39.2	8.8	1 ✓
146	−10°	2055	7	20.8	−10	54.8	8.9	1 ✓
147	−11°	1947	7	20.8	−11	4.0	9.3	1 ✓
148	−11°	1945	7	20.5	−11	12.4	8.3	1 ✓
149	−11°	1941	7	22.4 / 20.3	−11 / −11	31 [1900] / 25.9	8.9	1 ✓ Var.
150	−11°	1944	7	20.5	−11	31.6	9.8	1 ✓
151	−11°	1948	7	20.9	−11	30.7	9.5	1 ✓
152	−11°	1952	7	21.1	−11	43.6	9.1	1 ✓
153	−11°	1953	7	21.2	−11	38.1	9.3	1 ✓
154	−11°	1951	7	21.1	−11	15.9	6.3	1 ✓
155	−11°	1950	7	21.1	−11	26.2	8.7	1 ✓
156	−11°	1954	7	21.6	−11	18.5	9.6	1 ✓
157	−11°	1957	7	21.8	−11	24.3	10	1 ✓
158	−10°	1880	7	1.0	−10	7.5	9.0	1 ✓
159	−10°	1886	7	1.4	−10	4.4	8.4	1 ✓
160	−10°	1888	7	1.8	−10	4.6	9.1	1 ✓
161	−10°	1890	7	2.2	−10	1.9	8.8	1 ✓
162	−10°	1892	7	2.5	−10	6.8	6.8	1 ✓

cards made out

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1913phae.proj.2150C

Saturday, September 6, 1913.

B24606

No.	Int.	Class	Remark
163	1	a	
164	3	G5	
165	3	a0	
166	2	a	
167	2	a	Another star superposed ?
168	1	a2	
169	1	a2	
170	1	a0	
171	3	B8	
172	2	a3	
173	3	a0	Another star superposed on preceding edge.
174	2	G0	
175	6	K0	
176	1	K0	
177	3	K0	
178	3	K0	
179	3	a0	
180	1	F2	
181	1	a0	
182	2	B9	
183	3	F5	
184	3	K5	
185	4	B9	
186	4	a0	
187	3	B9	
188	1	G0	
189	2	B9	

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163	−10°	1893	7	2.5	−10	19.0	9.5	^ v
164	−10°	1885	7	1.4	−10	23.8	8.5	^ v
165	−10°	1884	7	1.3	−10	21.0	9.3	^ v
166	−10°	1882	7	1.1	−10	24.0	9.7	^ v
167	−10°	1879	7	1.0	−10°	35.4	9.4	^ v This is a dble star on Bz 2371 which only 1 pro. in cat. Maybe not the cat. star.
168	−10°	1881	7	1.1	−10	55.8	9.8	^ v
169	Approx	1855	7	4.2	−10	45		^ v
170	Approx.	1855	7	4.4	−10	41		^ v
171	−10°	1911	7	5.0	−10	41.5	9.5	^ v
172	−10°	1910	7	4.9	−10	16.5	9.3	^ v
173	−10°	1913	7	5.2	−10	20.7	9.6	^ v The star superpond on preceding edge is not cat.
174	−10°	1915	7	5.4	−10	16.2	9.2	^ v
175	−9°	1884	7	3.6	−9	55.8	7.8	^ v
176	−9°	1878	7	3.1	−9	58.3	9.2	^ v
177	−9°	1891	7	4.1	−9	35.9	8.7	^ v
178	−9°	1858	7	1.3	−9	44.6	9.0	^ v
179	−9°	1898	7	4.9	−9	15.7	9.7	^ v
180	−9°	1900	7	5.3	−9	31.2	9.4	^ v
181	−9°	1902	7	5.5	−9	32.9	9.5	^ v
182	−9°	1904	7	5.6	−9	14.2	9.3	^ v
183	−9°	1906	7	5.9	−9	28.1	8.9	^ v
184	−9°	1916	7	7.2	−9	0.3	8.5	^ v
185	−9°	1918	7	7.3	−9	20.8	9.2	^ v
186	−9°	1931	7	7.8	−9°	32.0	9.1	^ v
187	−9°	1936	7	8.1	−9	7.5	9.3	^ v
188	−9	1938	7	8.3	−9	4.1	9.4	^ v
189	−9°	1941	7	8.4	−9	13.0	9.8	^ v

cards made ants

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No.	Int.	Class.	Remark
190	3	a o	
191	3	a o	
192	2	a o	
193	1	a o	
194	7	B 8	
195	3	a o	
196	4	a 2	
197	3	a o	
198	2	a o	
199	1	g 5	
200	1	a o	
201	2	g o	
202	2	K o	
203	2	g 5	
204	2	B 9	
205	2	a o	Partly superposed on 206.
206	3	a o	
207	2	a o	
208	1	g 5	
209	2	a o	
210	3	K o	
211	2	g 5	
212	2	a o	
213	1	g 5	
214	3	F o	
215	3	K o	
216	4	K o	

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190	−9°	1943	7	8.8	−9	23.1	9.6	∧ ∨
191	−9°	1944	7	8.9	−9	16.6	9.8	∧ ∨
192	−9°	1945	7	8.9	−9	6.5	9.8	∧ ∨
193	Approx:	1855	7	9.0	−9	9		∧ ∨
194	−9°	1947	7	9.2	−9	1.1	8.3	∧ ∨
195	−9°	1948	7	9.6	−9	15.6	9.7	∧ ∨
196	−9°	1951	7	9.7	−9	28.3	9.4	∧ ∨
197	−9°	1952	7	9.8	−9	39.3	9.3	∧ ∨
198	−9°	1950	7	9.7	−9	49.0	9.4	∧ ∨
199	−10°	1948	7	9.1	−10	5.0	9.5	∧ ∨
200	Approx	1855	7	~~9.0~~ 8.9	−9	47		∧ ∨
201	−9°	1940	7	8.3	−9	48.2	9.3	∧ ∨
202	−9°	1935	7	8.1	−9	55.6	9.1	∧ ∨
203	−9°	1933	7	7.9	−9	43.5	9.1	∧ ∨
204	−10°	1949	7	9.1	−10	15.7	9.5	∧ ∨
205	−10°	1955	7	9.6	−10	23.6	9.5	∧ ∨
206	−10°	1953	7	9.5	−10	28.9	9.5	∧ ∨
207	−10°	1956	7	9.7	−10	29.6	9.7	∧ ∨
208	−10°	1958	7	10.0	−10	41.2	9.4	∧ ∨
209	−10°	1962	7	10.2	−10	20.0	9.5	∧ ∨
210	−10°	1963	7	10.2	−10	0.2	9.0	∧ ∨
211	−10°	1964	7	10.3	−10	4.3	9.1	∧ ∨
212	−10°	1966	7	10.7	−10	13.5	9.5	∧ ∨
213	−10°	1967	7	10.8	−10	15.7	9.4	∧ ∨
214	−10°	1969	7	11.1	−10	11.1	9.2	∧ ∨
215	−9°	1965	7	11.3	−9	57.7	9.0	∧ ∨
216	−9°	1968	7	11.6	−9	46.7	9.0	∧ ∨

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No.	Int.	Class	Remark.
217	4	B8	
218	2	a0	
219	2	B	Almost continuous.
220	3	a0	
221	2	a2	Another star partly superposed.
222	2	F8	
223	3	B9	
224	2	a0	
225	3	K5	
226	1	a	Partly superposed on 225.
227	2	B9	
228	2	K0	
229	1	a0	
230	2	a2	
231	2	a3	
232	2	B9	
233	3	B9	
234	2	K	Nearly all superposed on 235.
235	2	Ma	
236	1	a0	
237	4	F0	
238	3	G5	
239	2	F0	
240	2	a0	
241	1	a0	
242	1	K2	
243	1	a0	

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217	−9°	1954	7	10.0	−9	7.5	9.3	∧ ⌣
218	−9°	1955	7	10.3	−9	9.6	9.4	∧ ⌣
219	−9°	1960	7	10.7	−9	9.6	9.3	∧ ⌣
220	−9°	1962	7	10.8	−9	16.2	9.5	∧ ✓
221	−9°	1959	7	10.5	−9	35.2	9.6	∧ ⌣ −9° 1958 superposed 9.5
222	−9°	1966	7	11.3	−9	17.0	9.3	∧ ⌣
223	−9°	1972	7	11.8	−9	19.7	9.2	∧ ✓
224	−9°	1983	7	12.5	−9	18.9	9.8	∧ ✓
225	−9°	1986	7	12.8	−9	30.0	8.9	✓ ∧ −9° 1985 7 12.8−9 29.0 magn. 9.8 superposed See chart plate Perhaps both stars elongated together?
226	−9°	1984	7	12.7	−9	33.5	9.7	∧ ✓
227	−9°	1987	7	12.8	−9	41.5	9.3	∧ ✓
228	−10°	1991	7	13.1	−10	2.3	9.0	∧ ⌣
229	−9°	1979	7	12.4	−9	53.4	10	∧ ✓
230	−9°	1974	7	12.0	−9	57.7	9.4	∧ ✓
231	Approx.	1855	7	11.8	−10	7		∧ ⌣
232	−10°	1975	7	11.6	−10	20.4	9.7	∧ ✓
233	−10°	1982	7	12.4	−10	27.2	9.5	∧ ✓
234	−10°	1984	7	12.5	−10	33.6	9.0	∧ ✓
235	−10°	1983	7	12.4	−10	39.0	8.9	∧ ✓
236	−10°	1987	7	12.6	−10	17.7	9.4	∧ ✓
237	−10°	1999	7	13.8	−10	17.9	9.1	∧ ✓
238	−10°	1998	7	13.7	−10	41.7	9.0	∧ ✓
239	−10°	1997	7	13.7	−10	50.5	9.4	∧ ✓
240	Approx	1855	7	13.4	−11	19		∧ ✓
241	Approx	1855	7	13.3	−11	28		∧ ✓
242	−11°	1893	7	13.3	−11	28.6	9.4	∧ ✓
243	−11°	1898	7	14.2	−11	20.4	9.4	∧ ✓

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No.	Int.	Class.	Remark.
244	3	B9	
245	3	a2	
246	1	K0	
247	1	a	
248	3	a0	
249	2	K5	
250	3	a0	
251	2	K5	
252	1	a0	
253	1	K5	
254	1	K5	
255	2	a0	
256	2	a0	
257	1	K5	
258	1	g	
259	1	a0	
260	1	a5	
261	3.	a0	
262	4	B9	
263	2	g5	
264	3	K0	
265	3	K5	
266	4	a0	
267	H	B8	
268	2	a0	
269	1	a	
270	3	K0	

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1913phae..proj..2150C

244	−11°	1901	7	14.2	−11	19.0	9.2	↑↙
245	−11°	1899	7	14.2	−11	24.7	9.2	↑↙
246	−11°	1905	7	14.6	−11	30.7	9.5	↑↙
247	Approx	1855	7	14.7	−11	30		↑↙
248	−11°	1908	7	15.0	−11	37.7	9.5	↑↙
249	−11°	1909	7	15.3	−11	11.8	9.1	↑↙
250	−10°	2011	7	15.1	−10	55.2	9.3	↑↙
251	−10°	2013	7	15.4	−10	50.7	9.2	↑↙
252	Approx	1855	7	15.5	−11	~~26~~ 27		/↙
253	−11°	1917	7	16.4	−11	24.7	9.4	↑↙
254	−11°	1915	7	16.2	−11	39.9	9.5	↑↙
255	Approx.	1855	7	16.6	−11	~~38~~ 37		/↙
256	−11°	1913	7	16.1	−11	49.8	9.3	↑↙
257	−11°	1912	7	16.0	−11	57.6	9.5	↑↙
258	−12°	1923	7	15.7	−12	1.5	9.5	↑↙
259	Approx.	1855	7	17.0	−11	31		↑↙
260	Approx	1855	7	17.6	−11	31		↑↙
261	−11°	1927	7	18.0	−11	25.3	9.7	↑↙
262	Approx.	1855	7	18.5	−11	40		↑↙
263	~~Approx~~ −11°	~~1855~~ 1933	7	18.9	−11	24.6	9.5	↑↙
264	−11°	1925	7	17.8	−11	6.8	9.0	↑↙
265	−11°	1930	7	18.6	−11	1.1	8.7	↑↙
266	−11°	1928	7	18.4	−11	10.0	9.5	↑↙
267	−11°	1931	7	18.7	−11	12.5	9.5	↑↙
268	Approx.	1855	7	18.4	−11	18		↑↙
269	Approx.	1855	7	19.6	−11	22		↑↙
270	−11°	1938	7	19.9	−11	17.9	9.2	↑↙

cards made out.

−11° 1900 7 14.2 −11 22.9 magn. 9.6 superposed

two stars on plate - see chart plate 3 26674. same R.A. & slightly different dec. Either might be ident. as −11° 1902 which is classified?

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	No.	Int.	Class.	Remark.
	271	5	K0	
	272	8	a0	
	273	1	G	
	274	3	F5	
	275	6	a0	
	276	2	a0	
	277	5	K2	
	278	2	K0	
	279	1	K0	
	280	1	a0	
	281	1	K0	
	282	2	G0	
10 35	283	5	B5	
11. 45	284	6	Bq	
	285	8	a0	
	286	21	a1	
	287	5	a0	another star superposed at south
	288	21	a0	
	289	1	G5	
	290	4	K0	
	291	3	a0	
	292	10	a21	
	293	5	a0	
	294	4	K0	
	295	3	a0	
	296	4	a0	
	297	2	a0	

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1913phae.proj.21500

271	−11°	1940	7	20.2	−11	4.7	8.3 1 ✓
272	−10°	2046	7	19.9	−10	45.9	8.7 1 ✓
273	−10°	2053	7	20.5	−10	47.2	9.4 1 ✓
274	−10°	2054	7	20.6	−10	33.7	9.3 1 ✓
275	−10°	2040	7	19.6	−10	39.4	8.6 1 ✓
276	−10°	2045	7	19.9	−10	32.9	9.5 1 ✓
277	−10°	2021	7	16.3	−10	48.7	8.7 1 ✓
278	−10°	2026	7	16.9	−10	40.5	8.9 1 ✓
279	−10°	2031	7	17.5	−10	42.3	9.3 1 ✓
280	Approx	1855	7	17.4	−11	2	1 ✓
281	−11°	1923	7	17.5	−11	1.2	9.2 1 ✓
282	−10°	2033	7	18.4	−10	45.6	9.4 1 ✓
283	−10°	2035	7	18.8	−10	28.7	8.9 1 ✓
284	−10°	2037	7	19.1	−10	26.1	8.6 1 ✓
285	−10°	2038	7	19.3	−10	15.8	8.4 1 ✓
286	−10°	2044	7	19.8	−10	11.7	9.6 1 ✓
287	−10°	2047	7	19.9	−10	13.0	8.9 1 ✓ −10° 2048 7 19.9 −10 15.7 mean 9.7 superposed
288	−10°	2051	7	20.2	−10	16.7	9.8 1 ✓
289	−10°	2050	7	20.1	−10	28.0	9.5 1 ✓
290	−9°	2058	7	20.7	−9	56.2	8.7 1 ✓
291	−9°	2049	7	20.0	−9	47.0	9.5 1 ✓
292	−9°	2043	7	19.5	−9	48.4	7.0 1 ✓
293	−9°	2037	7	19.0	−9	41.0	8.7 1 ✓
294	−9°	2033	7	18.8	−9	46.5	8.7 1 ✓
295	−9°	2036	7	18.9	−9	52.3	9.3 1 ✓
296	−9°	2032	7	18.5	−9	35.4	9.2 1 ✓
297	−9°	2028	7	18.0	−9	54.6	9.5 1 ✓

cards made out.

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No.	Int.	Class	Remark
298	3	A0	
299	1	K0	
300	3	A0	
301	4	A0	
302	1	A0	
303	5	B8	
304	1	K5	
305	3	B9	
306	1	F8	
307	1	A0	
308	3	K0	
309	2	A0	
310	1	A0	
311	2	Ma	
312	2	K0	
313	5	A0	
314	3	K5	
315	2	A2	
316	2	B9	
317	1	A0	Partly superposed on 316
318	2	A0	
319	4	A5	
320	4	F0	
321	2	B	Almost Cont.
322	1	A0	
323	2	B9	
324	1	K5	

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http://hdl.handle.net/10088/19801

298	−9°	2026	7	17.8	−9	44.5	9.3	∧ ∨
299	−10°	2028	7	17.2	−10	11.9	9.3	∧ ∨
300	−9°	1993	7	13.8	−9	54.9	9.2	∧ ∨
301	−9°	1996	7	14.4	−9	37.0	9.1	∧ ∨
302	−9°	1997	7	14.6	−9	40.4	9.4	∧ ∨
303	−10°	2005	7	14.6	−10	4.2	9.1	∧ ∨
304	−10°	2007	7	14.7	−10	2.3	9.3	∧ ∨
305	−10°	2010	7	15.1	−10	7.7	9.3	∧ ∨
306	−10°	2012	7	15.1	−10	17.0	9.4	∧ ∨
307	−9°	2002	7	15.2	−9	59.4	9.7	∧ ∨
308	−9°	2005	7	15.5	−9	56.5	8.5	∧ ∨
309	−9°	2009	7	15.8	−9	37.6	9.8	∧ ∨
310	−9°	2008	7	15.8	−9	47.2	9.6	∧ ∨
311	−9°	2007	7	15.7	−9	57.6	8.8	∧ ∨
312	−10°	2018	7	16.0	−10	11.9	9.1	∧ ∨
313	−10°	2019	7	16.1	−10	16.0	8.9	∧ ∨
314	−9°	2019	7	16.4	−9	32.1	8.7	∧ ∨
315	−11°	1818	7	2.8	−11	54.5	10	∧ ∨
316	−11°	1819	7	2.9	−11	50.6	9.3	∧ ∨
317	−11°	1820	7	2.9	−11	50.6	9.8	∧ ∨
318	−11°	1823	7	3.4	−11	51.8	9.8	∧ ∨
319	−12°	1819	7	3.4	−12	2.0	9.3	∧ ∨
320	−12°	1818	7	3.4	−12	13.2	9.5	∧ ∨
321	−12°	1814	7	2.7	−12	19.0	9.8	∧ ∨
322	Approx.	1855	7	2.8	−12	25		∧ ∨
323	−12°	1821 (1814)	7	3.6 (2.7)	−12	28.1 (19.0)	9.8	∧ ∨
324	−12°	1823	7	4.2	−12	25.1	8.9	∧ ∨

−10° 2006 7 14.7 −10 1.4 0.0 magn. superposed see chart plate

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No.	Int.	Class	Remark
325	3	F0	
326	1	G5	
327	2	A0	
328	3	A0	
329	2	A2	
330	4	B5	
331	2	G5	
332	2	A0	Parth. superposed on 331
333	2	F0	
334	1	K0	
335	2	A0	
336	1	A0	
337	3	A2	
338	2	A2	
339	2	A0	
340	2	F2	
341	2	F0	
342	1	K0	
343	3	A3	
344	1	F2	
345	1	A0	
346	2	A0	
347	3	A0	
348	2	G5	
349	6	K0	
350	2	A0	
351	7	K0	

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325	-12°	1829	7	4.7	-12	37.4	8.9	1 ✓
326	-12°	1831	7	4.8	-12	43.2	9.2	1 ✓
327	-12°	1833	7	5.2	-12	26.1	9.4	1 ✓
328	-12°	1834	7	5.2	-12	28.6	9.6	1 ✓
329	Approx	1855	7	5.6	-12	~~2~~ 3		1 ✓
330	-11°	1842	7	5.7	-11	56.5	9.2	1 ✓
331	-12°	1849	7	6.6	-12	0.3	9.3	1 ✓
332	Approx	1856	7	6.5	-12	4		1 ✓
333	-12°	1848	7	6.4	-12	14.4	9.5	1 ✓
334	-12°	1850	7	6.8	-12	20.9	9.5	1✓ which star is clair? Dble. on chart plate inch only one pos. in cat.
335	Approx	1855	7	7.0	-12	~~17~~ 16		✓
336	-12°	1852	7	7.0	-12	38.6	9.8	1 ✓
337	-12°	1851	7	6.9	-12	56.1	9.4	1 ✓
338	-12°	1853	7	7.0	-12	55.4	9.8	1 ✓
339	-12°	1858	7	7.4	-12	41.6	10	1 ✓
340	-12°	1862	7	7.6	-12	30.3	9.5	1 ✓
341	-11°	1857	7	8.1	-11	51.5	9.5	1 ✓
342	-11°	1855	7	7.9	-11	42.1	9.4	1 ✓
343	-11°	1865	7	9.5	-11	57.6	9.5	1 ✓
344	-12°	1874	7	9.7	-12	28.4	9.4	1 ✓
345	-12°	1864	7	8.4	-12	55.4	9.8	1 ✓
346	-12°	1868	7	9.0	-12	56.6	10	1 ✓
347	-12°	1869	7	9.0	-12	58.4	9.3	1 ✓
348	-13°	1899	7	8.6	-13	9.3	9.1	1 ✓
349	-13°	1906	7	9.4	-13	51.6	8.3	1 ✓
350	-14°	1796	7	9.3	-14	1.2	9.3	1 ✓
351	-13°	1916	7	10.3	-13	51.4	8.0	1 ✓

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B24606

No.	Dec.	Class	Remarks
352	4	B8	
353	8	B8	
354	3	Mb	
355	1	A3	
356	5	A3	
357	6	A	+γ, δ, ε double. Two stars?
358	8	F2	
359	3	A2	
360	5	K0	
361	3	K5	
362	4	A0	
363	1	K0	
364	2	K0	
365	1	A	
366	2	A	
367	1	Ob	Bright lines
368	1	K0	the southern of two
369	2	A2	
370	3	B9	
371	3	B8	
372	2	K5	
373	2	K5	
374	4	F5	
375	5	B9	
376	6	K0	the following of two.
377	3	A0	
378	4	K2	

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352	−13°	1918	7	10.4	−13	41.3	9.1	∧ ∨
353	−13°	1919	7	10.4	−13	43.9	7.8	∧ ∨
354	−13°	1920	7	10.8	−13	39.6	8.8	∧ ∨
355	−13°	1922	7	11.2	−13	19.8	9.7	∧ ∨
356	−13°	1923	7	11.2	−13	26.6	9.0	∧ ∨
357	−13°	1925 1926	7	11.4	−13	26.6 26.2	8.3 8.3	∧ ∨
358	−13°	1924	7	11.3	−13	38.0	7.7	∧ ∨
359	−13°	1937	7	12.2	−13	29.0	9.8	∧ ∨
360	−13°	1941	7	12.5	−13	21.9	8.8	∧ ∨
361	−13°	1939	7	12.3	−13	11.7	9.0	∧ ∨
362	−13°	1936	7	12.2	−13	10.1	9.3	∧ ∨
363	−12°	1895	7	12.5	−12	59.3	9.4	∧ ∨
364	−12°	1894	7	12.4	−12	59.9	9.0	∧ ∨
365	Approx.	1855	7	12.3	−12	46		∧ ∨
366	−12°	1890	7	11.8	−12	44.1	9.9	∧ ∨
367	Approx.	1855	7	11.~~7~~8	−12	58		∧ ∨
	Pub.	1900	7	13.9	−13	3		
368	−12°	1893	7	12.0	−12	30.2	9.9	∧ ∨
369	−12°	1891	7	11.9	−12	13.8	9.8	∧ ∨
370	−12°	1896	7	12.5	−12	8.4	9.5	∧ ∨
371	Approx	1855	7	11.2	−12	14		∧ ∨
372	−12°	1889	7	11.4	−12	32.0	9.3	∧ ∨
373	−12°	1881	7	10.2	−12	33.3	9.3	∧ ∨
374	−12°	1877	7	10.0	−12	36.2	9.2	∧ ∨
375	−13° ~~−12~~	1944 ~~1900~~	7 ~~7~~	12.9 ~~13.1~~	−13 ~~−12~~	18.0 ~~16.6~~	9.2 ~~9.7~~	∧ ∨
376	−13°	1948	7	13.2	−13	30.4	8.8	∧ ∨
377	−13° ~~−12~~	1952 ~~1901~~	7 ~~7~~	13.7 ~~13.2~~	−13 ~~−12~~	5.9 ~~31.4~~	9.3 ~~9.7~~	∧ ∨
378	−13°	1953	7	13.7	−13	16.4	8.5	∧ ∨

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Saturday September 6, 1913

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No.	Dur.	Class	Remark
379	5	Ao	
380	3	Ko	
381	3	B8	
382	3	Ao	
383	2	K2	
384	2	F5	
385	2	F5	
386	5	G5	
387	5	F8	
388	3	Ko	
389	4	Fo	
390	1	ma	
391	5	Ao	
392	2	Ko	
393	3	G5	
394	1	Ao	
395	5	Ko	
396	4	Ko	
397	3	Ko	
398	2	Ao	
399	9	A	Burned out.
Trim 12.10 400	3	a2	
Monday Sept. 8, 1913 Trim 11,00 401	1	mb	
402	4	K2	
403	2	A2	
404	3	Ko	
405	5	Ao	

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379	−13°	1956	7	13.9	−13	22.5	9.1	∧ ∨
380	−12°	1913	7	14.6	−12	57.6	9.2	∧ ∨
381	−13°	1961	7	14.4	−13	7.0	9.3	∧ ∨
382	−13°	1960	7	14.4	−13	15.2	9.4	∧ ∨
383	−13°	1967	7	14.9	−13	12.1	9.2	∧ ∨
384	−13°	1969	7	15.1	−13	36.0	9.2	∧ ∨
385	−14°	1858	7	15.1	−14	0.7	9.7	∧ ∨
386	−13°	1972	7	15.8	−13	55.9	9.1	∧ ∨
387	−13°	1976	7	16.3	−13	41.8	9.0	∧ ∨
388	−13°	1977	7	16.6	−13	24.6	9.0	∧ ∨
389	−13°	1980	7	16.8	−13	1.6	9.0	∧ ∨
390	−12°	1936	7	16.9	−12	52.4	9.4	∧ ∨
391	−12°	1940	7	17.2	−12	51.6	9.5	∧ ∨
392	−13°	1988	7	17.6	−13	13.5	9.3	∧ ∨
393	−13°	1989	7	17.6	−13	22.3	9.5	∧ ∨
394	Approx	1855	7	17.7	−13	25		∧ ∨
395	−13°	1992	7	17.9	−13	42.4	9.0	∧ ∨
396	−13°	1990	7	17.7	−13	55.8	8.8	∧ ∨
397	−13°	1984	7	17.0	−13	38.7	9.2	∧ ∨
398	−13°	1985	7	17.1	−13	36.4	9.9	∧ ∨
399	−13°	1981	7	17.0	−13	49.1	7.8	∧ ∨
400	Approx.	1855	7	17.2	−14	10		∧ ∨
401	−14°	1881	7	17.5	−14	27.5	8.8	∧ ∨
402	−14°	1880	7	17.5	−14	31.8	8.2	∧ ∨
403	−14°	1885	7	18.3	−14	6.7	9.6	∧ ∨
404	−13°	1996	7	18.2	−13	50.8	9.0	∧ ∨
405	−13°	2003	7	18.6	−13	48.4	8.9	∧ ∨

Cards made out

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Monday. Sept 8, 1913

13 24 6.06

No.	Int.	Class	Remark
406	3	Ko	
407	10+	A	Burned out.
408	3	K2	
409	7	A2	
410	10+	G	Burned out.
411	1	Ko	
412	1	K5	
413	2	K2	
414	3	A5	
415	2	K5	
416	2	B9	
417	2	F2	
418	1	G5	
419	4	A0	
420	3	A5	
421	1	A	Nearly all superposed on 422 + 423
422	2	A0	
423	3	A2	
424	1	Ko	
425	1	Ko	
426	3	Ko	
427	1	Ko	
428	1	F8	
429	2	F0	
430	5	B9	
431	4	A2	
432	3	A	Partly superposed on 433

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406	-14°	1889	7	18.9	-14	10.6	9.0	∧ ∨
407	-13°	2008	7	19.3	-13	53.4	7.2	∧ ∨
408	-13°	2009	7	19.4	-13	50.5	9.0	∧ ∨
409	-13°	2007	7	19.2	-13	31.1	8.5	∧ ∨
410	-13°	2001	7	18.5	-13	27.9	6.5	∧ ∨
411	-13°	1999	7	18.4	-13	20.7	9.4	∧ ∨
412	-13°	1997	7	18.3	-13	31.9	9.5	∧ ∨
413	-13°	2006	7	18.9	-13	10.8	9.1	∧ ∨
414	-12°	1961	7	19.2	-12	56.1	9.1	∧ ∨
415	-12°	1958 (60)	7	~~18.7~~ 19.1	-12	~~44.9~~ 46.1	9.8	∧ ∨
416	-12°	1958	7	18.7	-12	44.9	9.8	∧ ∨
417	-12°	1953	7	18.2	-12	52.5	9.5	∧ ∨
418	Approx	1855	7	18.2 (3)	-12	43		∧ ∨
419	-12°	1952	7	18.1	-12	47.6	9.6	∧ ∨
420	-12°	1949	7	17.8	-12	54.1	9.4	∧ ∨
421	-12°	1948	7	17.7	-12	~~56.5~~ 54.4	~~9.4~~ 9.6	∧ ∨
422	-12°	1945	7	17.6	-12	52.0	9.6	∧ ∨
423	-12°	1946	7	17.6	-12	56.5	9.4	∧ ∨
424	-13°	1983	7	17.0	-13	10.5	9.3	∧ ∨
425	Approx.	1855	7	16.8	~~-12~~ -13	15		/ ∨
426	-12°	1965	7	19.5	-12	50.8	9.0	∧ ∨
427	-12°	1968	7	19.7	-12	41.2	9.3	∧ ∨
428	-12°	1964	7	19.5	-12	15.6	9.8	∧ ∨
429	-13°	2015	7	20.1	-13	12.8	9.7	∧ ∨
430	-13°	2014	7	20.0	-13	21.5	9.1	∧ ∨
431	-13°	2024	7	20.9	-13	20.0	8.6	∧ ∨
432	-13°	2023	7	20.8	-13	37.3	9.4	∧ ∨

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No.	Int.	class	Remark
433	4.	a3	
434	4	a0	
435	2	a0	
436	1	K5	
437	4	a0	
438	6	b0	
439	3	B9	
440	5	F0	
441	6	a3	
442	3	a0	
443	4	K2	
444	8	K0	
445	9	a0	
446	21	K0	
447	21	B?	Almost cont.
448	10+	a	Burned out.
449	1	K0	
450	21	b5	
451	4	a	E
452	3	a	E.
453	1	K0	
454	2	a	E
455	21	a	E
456	5	a0	
457	5	b5	
458	4	a0	
459	3	a3	

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433	−13°	2022	7	20.8	−13	43.3	9.4	1 ✓
434	−13°	2012	7	19.8	−13	52.5	9.2	1 ✓
435	−14°	1899	7	19.9	−14	0.5	9.7	1 ✓
436	−14°	1903	7	20.4	−14	7.3	9.8	1 ✓
437	−14°	1908	7	21.0	−14	11.6	9.3	1 ✓
438	−14°	1915	7	21.6	−14	4.5	9.0	1 ✓
439	−13°	2029	7	21.6	−13	24.1	9.2	1 ✓
440	−13°	2034	7	22.0	−13	24.3	9.0	1 ✓
441	−13°	2035	7	22.0	−13	30.8	8.9	1 ✓
442	−13°	2038	7	22.3	−13	12.2	9.5	1 ✓
443	−13°	2044	7	22.8	−13	10.7	8.7	1 ✓
444	−12°	1991	7	22.6	−12	50.2	7.5	1 ✓
445	−12°	1988	7	21.7	−12	39.8	8.0	1 ✓
446	−12°	1985	7	21.5	−12	50.0	9.0	1 ✓
447	−13°	2018	7	20.4	−13	5.7	9.5	1 ✓
448	−12°	1969	7	19.9	−12	54.0	7.2	1 ✓
449	−13°	1844	7	2.6	−13	5.6	9.4	1 ✓
450	−12°	1814.5	7	2.7.8	−12	~~49.0~~ 57.1	9.8°	1 ✓
451	−13°	1841	7	1.9	−13	27.7	9.0	1 ✓
452	−13°	1838	7	1.5	−13	2.5	9.1	1 ✓ −13° 1839 7 1.6 −13 0.3 mag. 9.5 superposed
453	−13°	1843	7	2.3	−13	31.6	9.4	1 ✓
454	−13°	1846	7	2.6	−13	42.1	9.2	1 ✓
455	−13°	1845	7	2.6	−13	53.7	9.8	1 ✓
456	−13°	1847.50	7	~~2.9~~ 3.2	−13	~~52.2~~ 54.8	~~10~~ 9.1	1 ✓
457	−14°	1734	7	2.5	−14	12.0	8.7	1 ✓
458	−13°	1852	7	3.4	−13	21.5	8.8	1 ✓
459	−13°	1853	7	3.5	−13	22.4	9.2	1 ✓

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No.	Int.	class	Remark
460	3	A0	
461	2n	A0	
462	4	A0	
463	2	A0	
464	2	F5	
465	2n	F5	
466	2	A0	
467	4	A0	
468	1	G5	
469	2n	A	Lines indistinct.
470	1	K2	
471	2n	B	Nearly all superposed on 467
472	2	G5	
June 11.19	473	1	K5
" 11.45	474	4	A2
	475	3	A0
	476	2n	A2
	477	1	K2
	478	1	A
	479	1	K0
	480	1	A0
	481	3	A0
	482	2	A0
	483	2n	F0
	484	3	F5
	485	1	F5
	486	8	K0

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460	-13°	1855	7	3.7	-13	19.5	9.3	1 ✓
461	-13°	1858	7	4.0	-13	20.6	9.8	1 ✓
462	-13°	1857	7	3.9	-13	49.5	9.0	1 ✓
463	-13°	1862	7	4.5	-13	41.8	9.4	1 ✓
464	-13°	1863	7	4.7	-13	32.9	9.1	1 ✓
465	-13°	1866	7	5.2	-13	37.6	9.2	1 ✓
466	-13°	1867	7	5.3	-13	38.8	9.5	1 ✓
467	-13°	1870	7	5.6	-13	15.1	9.3	1 ✓
468	-13°	1873	7	5.8	-13	13.0	9.3	1 ✓
469	-12°	1838	7	5.6	-12	42.7	9.2	1 ✓
470	-12°	1840	7	5.9	-12	46.7	9.4	1 ✓
471	-12°	1844	7	6.3	-12	38.3 ~~41.9~~	9.0	1 ✓
472	-12°	1844	7	6.3	-12	41.9 ~~38.3~~	9.0	1 ✓
473	-12°	1847	7	6.4	-12	53.0	9.0	1 ✓
474	-13°	1883	7	6.6	-13	16.2	9.1	1 ✓
475	-13°	1877	7	6.0	-13	32.3	9.1	1 ✓
476	-13°	1886	7	7.0	-13	16.2	10	1 ✓
477	-13°	1888	7	7.2	-13	9.1	9.2	1 ✓
478	Approx.	1855	7	7.2	-13	13		1 ✓
479	-13°	1890	7	7.3	-13	19.0	9.7	1 ✓
480	-13°	1889	7	7.3	-13	28.9	9.8	1 ✓
481	-13°	1891	7	7.6	-13	25.8	9.5	1 ✓
482	-13°	1892	7	7.6	-13	15.1	9.8	1 ✓
483	-13°	1896	7	8.0	-13	8.0	9.8	1 ✓
484	-13°	1895	7	7.9	-13	53.7	9.1	1 ✓
485	-14°	1784	7	7.8	-14	18.7	8.8	1 ✓
486	-14°	1790	7	8.5	-14	21.6	7.2	1 ✓

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	No.	Int.	class	Remark
Time 11.42	487	4	A0	
" 11.55	488	3	Mb	
	489	6	F0	
	490	8	A0	
	491	1	K5	Partly superposed on 492
	492	5	A0	
	493	5	A2	
	494	3	b0	
	495	1	K5	
	496	3	A2	
	497	2	K0	
	498	4	F5	
	499	3	K5	
	500	6	B8	
	501	2	K0	
	502	2	K5	
	503	3	A0	
	504	4	G5	
	505	3	K0	
	506	1	A0	
	507	2	K5	
	508	4	K2	
	509	2	K2	
	510	3	K2	Partly superposed on 511
	511	6	A0	
	512	4	A5	
	513	2	A0	

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1913phae.proj.2150C

487	−14°	1789	7	8.5	−14	35.2	9.5	∧ ∨
488	−14°	1776	7	6.7	−14	20.1	8.3	∧ ∨
489	−14°	1774	7	6.4	−14	38.6	8.5	∧ ∨
490	−14°	1775	7	6.6	−14	51.2	8.5	∧ ∨
491	−14°	1799	7	9.6	−14	31.2	9.3	∨ ∧
492	−14°	1798	7	9.6	−14	36.4	9.1	∧ ∨
493	−14°	1803	7	9.9	−14	37.3	9.0	∧ ∨
494	−14°	1805	7	10.0	−14	50.0	9.0	∧ ∨
495	Approx	1855	7	10.2	−14	32		∧ ∨
496	−14°	1806	7	10.1	−14	15.3	9.8	∧ ∨
497	−14°	1807	7	10.2	−14	1.2	9.7	∧ ∨
498	−14°	1814	7	11.0	−14	3.3	9.0	∧ ∨
499	−14°	1815	7	11.1	−14	0.3	9.0	∧ ∨
500	−14°	1818	7	11.2	−14	4.3	9.1	∧ ∨
501	−14°	1813	7	11.0	−14	19.6	9.1	∧ ∨
502	−14°	1817	7	11.2	−14	35.3	9.2	∧ ∨
503	−14°	1819	7	11.3	−14	29.8	9.3	∧ ∨
504	−14°	1816	7	11.1	−14	45.5	9.0	∧ ∨
505	−14°	1824	7	12.5	−14	7.0	9.0	∧ ∨
506	−14°	1830	7	12.8	−14	9.5	10	∧ ∨
507	−14°	1840	7	13.8	−14	36.0	9.1	∧ ∨
508	−14°	1843	7	14.0	−14	36.4	9.0	∧ ∨
509	−14°	1849	7	14.4	−14	22.6	9.2	∧ ∨
510	−14°	1864	7	15.4	−14	26.8	8.5	∧ ∨
511	−14°	1862	7	15.4	−14	32.0	8.7	∧ ∨
512	−14°	1861	7	15.3	−14	49.2	8.6	∧ ∨
513	−14°	1870	7	16.2	−14	42.8	9.7	∧ ∨

Also a fainter star. Following image superposed. It is not in catalogue

cards made out

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1913phae.proj.2150C

Monday September 8, 1913

B 24606

No.	Qut.	Class	Remark
514	6	F8	
515	1	K5	
516	5	A0	
June 12, 00517	3	K0	
517	3	F5	
518	2	A2	
519	3	A0	
520	2	F5	
521	4	B8	
522	3	G5	
523	2	A0	
524	2	K5	
525	5	K0	
526	3	A2	Another star sup. at south
527	3	K0	
528	2	K0	
529	2	K2	
530	3	A0	
531	2	K2	
532	2	K0	
533			
534			

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1913phae.proj.2150C

514	−14°	1872	7	16.6	−14	35.9	8.5	1 v, −14° 1873 superfond 9.2
515	−14°	1874	7	16.9	−14	29.2	9.3	1 v
516	−14°	1876	7	17.0	−14	56.4	8.6	1 v
517	−14°	1888	7	18.8	−14	57.3	8.7	1 v

Identified by J.C.M. Nov. 24, 1913

Checked Dec. 3. 1913 L.D.W.

Cards made out by Ls. R.B.

Cards checked by A.M.C.

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1913phae.proj.2150C

Monday September 8, 1913

Time 12.05

B 12673 short

No.	Int.	Class	Remark
1	7	B5	
2	5	K2	
3	1	A2	
4	7	G5	
5	3	K2	
6	1	A0	
7	3	A2	
8	1	Bq	
9	2	A0	
10	1	K0	
11	7	B8	
12	2	K2	
13	8	F5	
14	3	A0	
15	4	A5	
16	2	A2	
17	5	F5	
18	2	A2	
19	3	K0	
20	6	A0	
21	3	K2	
22	3	A0	
23	1	A	Nearly all superposed on 22
24	2	F5	
25	3	F0	
26	3	A5	
27	2	G5	

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1913phae.proj.2150C

1	−9°	2069	7	21.7	−9	44.6	6.8 ↑ ∨
2	−10°	2067	7	22.5	−8 10	1.9	5.5 ↑ ∨
3	−9°	2082	7	23.5	−9	24.1	8.8 ↑ ∨
4	−9°	2085	7	23.9	−9	28.7	6.3 ↑ ∨
5	−9°	2086	7	24.1	−9	48.9	7.0 ↑ ∨
6	−10°	2081	7	24.1	−10	1.3	9.2 ↑ ∨
7	−10°	2079	7	24.0	−10	15.0	8.7 ↑ ∨
8	−9°	2090	7	24.7	−9	58.8	8.9 ↑ ∨
9	−9°	2094	7	25.3	−9	57.3	8.9 ∧ ∨
10	−10°	2092	7	25.4	−10	11.8	8.4 ∧ ∨
11	−9°	2096	7	25.8	−9	21.9	7.5 ↑ ∨
12	−9°	2097	7	25.8	−9	6.4	7.3 ↑ ∨
13	−8°	1964	7	25.1	−8	33.8	6.0 ↑ ∨
14	−8°	1927	7	21.4	−8	57.3	9.0 ∧ ∨
15	−8°	1937	7	22.6	−8	57.8	8.0 ∧ –
16	−8°	1938	7	22.7	−8	37.5	9.0 ↑ ∨
17	−8°	1944	7	23.1	−8	13.8	8.0 ↑ ∨
18	−8°	1945	7	23.3	−8	45.4	9.0 ∧ ∨
19	−8°	1948	7	23.7	−8	46.6	7.9 ↑ ∨
20	−9°	2084	7	23.8	−9	0.5	7.8 ∧ ∨
21	−8°	1955	7	24.4	−8	26.0	7.8 ↑ ∨
22	−8°	1971	7	26.0	−8	44.5	9.0 ∧ ∨
23	−8°	1970	7	25.9	−8	44.6	9.2 ↑ ∨
24	−8°	1975	7	26.8	−8	32.6	9.0 ↑ ∨
25	−8°	1984	7	27.6	−8	21.7	9.1 ↑ ∨
26	−9°	2106	7	26.9	−9	21.8	8.5 ∧ ∨
27	−9°	2114	7	27.6	−9	32.9	8.2 ↑ ∨

cards made out.

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1913phae.proj.2150C

Monday September 8, 1913

B 12673

No.	Int.	Class	Remark
28	3	a2	
29	4	K0	
30	2	a0	
31	4	B5	
32	3	Comp	Bv = 75 Ff = a2
33	4	a0	
34	3	a0	
35	3	a0	
36	3	F8	
37	2	a2	
38	2	a0	
39	2	a0	
40	1	G5	
41	2	B5	
42	2	a0	
43	2	a0	
44	4	a5	Focus poor
45	2	F0	
46	6	B8	
47	5	K2	
48	5	B9	
49	4	G5	
50	2	a0	
51	3	a0	
52	3	a2	
53	4	B8	
54	2	G5	

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1913phae.proj.2150C

28	-9°	2117	7	28.3	-9	12.1	9.0	1 ✓
29	-8°	1993	7	29.0	-8	59.4	7.8	1 ✓
30	-9°	2121	7	28.6	-9	27.8	8.6	1 ✓
31	-9°	2129	7	29.4	-9	57.0	8.2	1 ✓
32	-10°	2126	7	29.8	-10	19.3	8.1	1 ✓
33	-10°	2114	7	28.1	-10	17.8	8.4	1 ✓
34	-10°	2113	7	28.1	-10	29.5	9.0	1 ✓
35	-10°	2104	7	27.2	-10	44.3	8.5	1 ✓
36	-10°	2105	7	27.3	-10	56.0	8.1	1 ✓
37	-10°	2093	7	25.9	-10	53.0	8.7	1 ✓
38	-11°	1985	7	25.3	-11	14.0	9.0	1 ✓
39	-11°	1986	7	25.4	-11	10.3	9.0	1 ✓
40	-11°	1990	7	25.8	-11	8.1	9.0	1 ✓
41	-11°	1994	7	26.4	-11	18.3	8.8	1 ✓
42	-11°	2001	7	27.6	-11	14.5	9.0	1 ✓
43	-11°	2017	7	29.5	-11	27.8	9.0	1 ✓
44	-11°	2034	7	31.8	-11	55.9	8.3	1 ✓ -11° 2033 9.1 superposed
45	-11°	2037	7	32.3	-11	30.4	8.5	1 ✓
46	-11°	2039	7	32.6	-11	13.8	7.5	1 ✓
47	-11°	2054	7	33.5	-11	25.4	6.9	1 ✓
48	-11°	2052	7	33.4	-11	45.0	8.2	1 ✓
49	-11°	2066	7	35.2	-11	30.9	8.0	1 ✓
50	-12°	2104	7	36.5	-12	3.4	8.9	1 ✓
51	-12°	2100	7	36.1	-12	19.9	8.5	1 ✓
52	-11°	2086	7	37.8	-11	58.2	8.7	1 ✓
53	-11°	2088	7	38.2	-11	25.0	8.2	1 ✓
54	-10°	2190	7	37.2	-10	58.2	8.3	1 ✓

cards made out

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1913phae.proj.21500

Monday September 8, 1913

B 12673

No.	Int.	Class	Remark
55	2	a3	
56	5	a0	
57	2	K0	
58	8	B9	
59	2	f2	
60	9	f5	
61	1	K5	
62	5	a0	
63	7	f0	
64	7	K0	
65	2	K0	
66	3	g5	
67	4	a2	
68	3	g0	
69	2	a3	Partly superposed on 68
70	8	f0	
71	2	a0	
72	4	a2	
73	3	K2	
74	9	B8	
75	21	a0	
76	4	a0	
77	9	a	Burned out
78	9	f0	
79	2	a2	
80	1	g5	
81	2	a5	

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1913phae..proj.2150C

55	-11°	2092	7	39.0	-11	3.6	8.9	1 ✓
56	-11°	2097	7	39.8	-11	19.4	7.5	1 ✓
57	-12°	2130	7	39.5	-12	3.7	8.0	1 ✓
58	-12°	2135	7	40.0	-12	19.4	6.8	1 –
59	-11°	2100	7	40.5	-11	50.8	8.7	1 –
60	-11°	2106	7	41.2	-11	50.2	6.0	1 ✓
61	-11°	2111	7	41.7	-11	51.4	8.3	1 ✓
62	-11°	2114	7	42.5	-11	4.1	8.0	1 ✓
63	-10°	2237	7	42 2	-10	49.3	6.8	1 ✓
64	-10°	2253	7	44.0	-10	45.7	6.0	1 ✓
65	-10°	2253 (7)	7	44.9 (4)	-10	48.1 ~~45.7~~ (8)	6.0	1 ✓
66	-10°	2263	7	45.1	-10	39.4	7.8	1 ✓
67	-11°	2133	7	45.5	-11	17.3	8.5	1 ✓
68	-11°	2150	7	46.9	-11	53.4	8.3	1 ✓
69	-11°	2152	7	47.0	-11	55.0	8.9	1 ✓
70	-12°	2179	7	44.9	-12	27.0	7.0	1 ✓
71	-12°	2182	7	45.1	-12	36.0	9.0	1 ✓
72	-12°	2174	7	44.0	-12	48.3	8.5	1 ✓
73	-12°	2176	7	44.4	-12	14.6	8.1	1 ✓
74	-12°	2164	7	42.7	-12	58.8	6.8	1 ✓
75	-12°	2153	7	41.8	-12	51.8	9.0	1 ✓
76	-13°	2204	7	38.2	-13	20.9	8.1	1 ✓
77	~~-17°~~ -14°	21 93/94	7	38.8	-14	20.5	7.0 / 7.0	1 ✓
78	-14°	2199	7	39.3	-14	12.6	6.0	1 ✓
79	-14°	2197	7	39.0	-14	35.7	9.0	1 ✓
80	-14°	2200	7	39.7	-14	43.0	8.6	1 ✓
81	-14°	2198	7	39.2	-14	49.3	9.0	1 ✓

cards made out

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1913phae.proj.21500

Monday, September 8, 1913

B1267 3

No.	Int.	Class	Remark
82	2	a_0	
83	4	F_2	
84	2	B9	
85	1	K_0	
86	4	a_0	
87	2	K_0	
88	1	a_0	
89	4	a_3	
90	3	a	Lines very broad Only hyd. seen.
91	2	a	
92	2	B	Too indistinct to subdivide
93	5	B9	
94	1	K_2	
95	5	a_0	
96	7	F_5	
97	5	B9	
98	3	G_5	
99	4	a_0	
June 12.21 100	2	a_3	
~~101~~			~~Plate 453 found to contain~~
~~102~~			

Continued in Book 73, 90

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1913phae.proj.2150C

82	−15°	2023	7	38.9	−15	5.7	8.6	1 v
83	−14°	2190	7	38.2	−14	44.1	8.0	1 v
84	−14°	2212	7	40.8	−14	25.5	9.0	1 –
85	−13°	2236	7	41.5	−13	44.2	8.0	1 v
86	−11°	1980	7	24.6	−11	56.0	8.7	1 v
87	−12°	2006	7	24.6	−12	13.2	8.3	1 v
88	−12°	2002	7	24.5	−12	28.9	9.1	1 v
89	−12°	2009	7	24.8	−12	28.2	8.5	1 v
	−12	~~2016~~	7	25.8	−12	34.5	9.0	v
90	~~−12°~~	~~2018~~ 2016 2017	7	~~25.9~~	~~−12~~	~~34.2~~	~~8.9~~	~~−12° 2016 7 suspend 9.0~~ 9.0
91	−12°	2020	7	26.3	−12	46.0	9.0	1 v
92	−12°	2025	7	26.6	−12	48.5	8.8	1 v
93	−12°	2032	7	27.4	−12	43.6	8.3	1 v
94	−12°	2036	7	27.8	−12	31.9	8.3	1 v
95	−13°	2084	7	26.4	−13	6.5	8.3	1 v
96	−13°	2101	7	27.8	−13	33.3	7.2	1 v
97	−13°	2104	7	28.2	−13	51.2	8.2	1 v
98	−13°	2109	7	28.7	−13	43.9	8.0	1 v
99	−12°	1998	7	24.1	−12	52.0	8.0	1 v
100	−13°	2058	7	23.9	−13	7.8	8.6	1 v

Identified by J. C. M. Nov. 11, 1913.
Checked Nov. 15. 1913 A.D.W.
Cards made out by S.R.B.
Cards checked by A.M.C.

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1913phae.proj.2150C

Monday September 8, 1913

Time 2.30 B20802 Short

No.	Dist.	Class	Remark
1	2	A0	
2	3	A0	
3	1	K	
4	5	A0	
5	2	G5	
6	2	B8	
7	4	A0	
8	5	A0	
9	1	K5	
10	2	K0	
11	5	F8	
12	2	A0	
13	2	A3	
14	2	F8	
15	4	K0	
16	5	B9	
17	4	K0	
18	1	F0	
19	1	A2	
20	4	A2	Partly superposed on 21
21	7	A2	
22	3	A0	
23	7	K2	
24	3	A2	
25	3	G5	
26	4	A2	
27	4	B8	

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1913phot.proj.215pc

1	−8°	1912	7	19.4	−8	24.0	9.1	^v
2	−8°	1917	7	19.9	−8	14.1	8.6	^v
3	−8°	1919	7	20.2	−8	33.8	9.0	^v
4	−8°	1925	7	21.2	−8	10.4	8.5	^v
5	−7°	1989	7	21.8	−7	57.8	8.7	^v
6	−7°	1995	7	22.1	−7	43.7	8.5	^v
7	−7°	2001	7	22.8	−7	34.9	8.7	^v
8	−7°	2002	7	23.0	−7	26.9	8.7	^v
9	−7°	2007	7	23.6	−7	44.8	8.3	^v
10	−7°	2012	7	24.2	−7	27.5	8.5	^v
11	−7°	2017	7	24.5	−7	50.5	8.2	^v
12	−7°	2019	7	24.9	−7	30.0	9.2	^v
13	−7°	2026	7	25.1	−7	32.7	9.2	^v
14	−7°	2028	7	25.4	−7	24.2	8.9	^v
15	−7°	2029	7	25.5	−7	47.3	8.4	^v
16	−7°	2036	7	25.9	−7	38.1	8.4	^v
17	−7°	2041	7	27.0	−7	19.5	7.5	^v
18	−8°	1973	7	26.6	−8	3.2	9.0	^v
19	−8°	1985	7	27.7	−8	5.4	9.3	^v
20	−7°	2057	7	28.8	−7	55.1	8.4	^v
21	−8°	1991	7	28.8	−8	1.7	8.0	^v
22	−7°	2064	7	29.2	−7	42.7	8.7	^v
23	−7°	2065	7	29.3	−7	59.5	6.3	^v
24	−8°	1995	7	29.5	−8	6.7	9.0	^v
25	−8°	1997	7	30.0	−8	26.5	8.9	^v
26	−8°	2003	7	30.7	−8	22.1	8.8	^v
27	−8°	2002	7	30.7	−8	5.5	8.8	^v

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1913phae.proj.2150C

Monday September 8, 1913

B 20802 short

No.	Dur.	Class	Remarks
28	1	F5	
29	1	G5	
30	2	K0	
31	7	G5	
32	1	K5	
33	8	F0	
34	21	A2	
35	3	A2	
36	10	A2	
37	4	A0	
38	2	A0	
39	4	A0	
40	21	A2	
41	6	F0	
42	5	F5	
43	3	A2	
44	21	F5	
46	7	F0	
46	1	K2	
47	2	A0	
48	2	K2	
49	7	A0	
50	1	K5	
51	1	K2	
52	3	A2	
53	1	A0	
54	2	K0	

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1913phae.proj.21500

28	~~Approx pos (1855)~~ 2006	7	30.8	−8	12	1 v
29	−8°	7	30.9	−8	27.8	9.1 1 v
30	−8°	2008 7	31.3	−8	0.8	8.7 1 v
31	−7°	2088 7	31.0	−7	48.0	7.1 1 v
32	−7°	2086 7	30.9	−7	38.2	8.5 1 v
33	−7°	2082 7	30.7	−7	24.4	7.1 1 v
34	−7°	2091 7	31.5	−7	18.1	8.9 1 v
35	−7°	2100 7	32.3	−7	17.1	8.9 1 v
36	−7°	2118 7	33.6	−7	51.3	6.3 1 v
37	−8°	2015 7	32.3	−8	21.1	8.5 1 v
38	−8°	2017 7	32.5	−8	46.0	9.2 1 v
39	−8°	2005 7	30.8	−8	53.9	8.6 1 v
40	−8°	2001 7	30.5	−8	56.1	8.8 1 v
41	−6°	2235 7	33.8	−6	57.6	8.2 1 v
42	−6°	2237 7	33.8	−6	22.9	8.2 1 v
43	−6°	2238 7	33.9	−6	35.2	8.8 1 v
44	−6°	2242 7	34.5	−6	23.6	9.0 1 v
45	−6°	2243 7	34.7	−6	48.7	8.0 1 v
46	−6°	2239 7	34.0	−6	59.1	8.7 1 v
47	−6°	2245 7	35.0	−6	44.6	9.1 1 v
48	−7°	2134 7	35.1	−7	0.3	8.3 1 v
49	−6°	2250 7	35.4	−6	59.1	8.2 1 v
50	−7°	2137 7	35.4	−7	10.8	8.8 1 v
51	−7°	2126 7	34.5	−7	30.6	8.3 1 v
52	−7°	2136 7	35.4	−7	34.5	8.8 1 v
53	−7°	2145 7	36.0	−7	21.3	9.4 1 v
54	−7°	2142 7	35.7	−7	49.5	8.8 1 v

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1913phae.proj.2150C

Monday Sept. 8, 1913

B 20802 short

No.	Qual.	Class	Remarks
55	4	K0	
56	4	G0	
57	7	A3	
58	4	F0	
59	3	K0	
60	10	K0	
61	4	A0	
62	7	F5	
63	5	G5	
64	5	G0	
65	3	A0	
66	2	G5	
67	2	A2	
68	1	A2	
69	1	A0	
70	9	B8	
71	6	F5	
72	1	A0	
73	2	A0	
74	2	B8	
75	10	F8	
76	2	F5	
77	1	K0	
78	5	F5	
79	6	A2	
80	5	B8	
81	4	A0	

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1913phae.proj.2150C

55	-6°	2260	7	36.8	-6	56.0	8.2	1v
56	-6°	2266	7	37.5	-6	56.9	8.3	1v
57	-6°	2261	7	36.8	-6	22.4	8.5	1v
58	-6°	2263	7	37.3	-6	21.3	9.0	1v
59	-6°	2269	7	37.9	-6	5.3	8.5	1v
60	-6°	2281	7	38.9	-6	25.2	5.4	1v
61	-7°	2164	7	37.9	-7	22.9	8.5	1v
62	-7°	2178	7	38.8	-7	10.6	7.7	1v
63	-5°	2202	7	32.7	-5	55.0	7.8	1v
64	-5°	2196	7	31.7	-5	8.3	7.8	1v
65	-5°	2198	7	32.0	-5	20.7	8.8	1v
66	-5°	2194	7	31.3	-5	28.0	8.6	1v
67	-5°	2187	7	30.6	-5	52.8	8.7	1v
68	-6°	2210	7	30.8	-6	17.0	9.0	1v
69	-6°	2212	7	31.1	-6	24.1	9.1	1v
70	-6°	2207	7	30.8	-6	38.1	6.8	1v
71	-6°	2124	7	21.3	-6	52.0	7.9	1v
72	-6°	2127	7	21.6	-6	40.0	9.0	1v
73	-6°	2130	7	21.6	-6	53.4	9.0	1v
74	-7°	1985	7	21.6	-7	0.1	9.1	1v
75	-7°	1996	7	22.4	-7	15.6	5.9	1v
76	-6°	2137	7	22.5	-6	23.9	8.9	1v
77	-6°	2141	7	23.1	-6	22.4	9.0	1v
78	-6°	2144	7	23.3	-6	40.0	8.5	1v
79	-6°	2146	7	23.7	-6	25.0	8.0	1v
80	-6°	2153	7	24.6	-6	28.8	8.4	1v
81	-6°	2156	7	24.9	-6	23.7	8.3	1v

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1913phae.proj.2150C

Monday September 8, 1913

B 2080 r short

No.	Dur.	class	Remark
82	5	B8	
83	7	B9	
84	5	K0	
85	4	B8	
86	2	K0	
87	3	A2	
88	7	K0	
89	3	B3	
90	3	F8	
91	7	K0	
92	5	K0	
93	6	B9	
94	4	A2	
95	6	K0	
96	2	A0	
97	5	A2	
98	5	A0	
99	7	A3	
June 2.42 100	5	B9	
Sept 9, 1913 11.15 101	1	A5	Nearly all superposed on 102
102	1	F0	" " " " 101
103	1	F8	
104	2	K0	
105	1	A0	
106	2	A0	
107	4	A2	
108	4	K2	

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1913phae..proj..2150C

82	−6°	2157	7	25.1	−6	57.3	8.2	^ v
83	−6°	2165	7	25.8	−6	58.2	7.8	^ v
84	−6°	2166	7	25.9	−6	33.4	7.4	^ v
85	−6°	2162	7	25.6	−6	7.8	8.5	^ v
86	−6°	2150	7	24.0	−6	1.4	8.5	^ v
87	−5°	2144	7	24.0	−5	50.9	9.1	^ v
88	−5°	2153	7	24.9	−5	38.0	7.3	^ v
89	−5°	2148	7	24.7	−5	16.5	8.7	^ v
90	−5°	2145	7	24.1	−5	2.8	8.4	^ v
91	−4°	1979	7	23.7	−4	55.5	6.9	^ v
92	−4°	1984	7	24.2	−4	22.8	8.0	^ v −4° 1983 7 24.1-N 24.4 magn. 9.3 superposed.
93	−4°	1988	7	25.0	−4	44.1	8.3	^ v
94	−4°	1962	7	21.6	−4	34.7	9.0	^ v
95	−4°	1965	7	22.1	−4	14.9	7.8	^ v
96	−4°	1964	7	21.9	−4	47.8	9.1	^ v
97	−4°	1967	7	22.4	−4	43.5	8.7	^ v
98	−4°	1973	7	22.9	−4	33.3	9.0	^ v
99	−4°	1970	7	22.6	−4	54.1	8.5	^ v
100	−5°	2137	7	22.4	−5	18.4	8.7	^ v
101	−5°	2135	7	22.2	−5	44.4	9.4	^ v
102	−5°	2136	7	22.2	−5	45.4	9.3	^ v
103	−5°	2130	7	21.5	−5	50.1	9.3	^ v
104	−5°	2127	7	21.1	−5	40.4	8.7	^ v
105	−5°	2125	7	20.8	−5	8.7	9.4	^ v
106	−5°	2121	7	20.0	−5	17.3	9.2	^ v
107	−5°	2120	7	19.8	−5	14.3	9.0	^ v
108	−5°	2118	7	19.7	−5	34.7	7.8	^ v

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1913phae.proj.2150C

Tuesday, Sept 9, 1913

B 20802 short

No.	Int.	Class	Remark
109	2	K0	
110	4	a2	
111	9	G5	
112	4	A0	
113	2	A0	
114	3	A0	
115	4	K0	
116	3	A0	
117	2	A0	
118	1	K5	
119	4	F0	
120	2	G0	
121	1	A0	
122	1	G5	
123	1	K5	
124	6	K0	
125	3	A3	
126	2	A0	
127	4	K0	
128	6	A0	
129	2	A2	
130	3	A2	
131	2	A2	
132	2	A0	
133	2	K0	
134	3	A0	
135	2	A0	

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1913phae.proj.2150C

109	−4°	1950	7	19.6	−4	55.8	8.5 1 v
110	−4°	1952	7	19.9	−4	40.5	8.4 1 v
111	−5°	2112	7	18.7	−5	29.1	6.3
		2104	7	18.0	−5	27.6	8.6 v
112	−5°	2104	7	18.0	−5	27.6	8.6
		2102	7	17.9	−5	14.5	9.1 v
113	−6°	2108	7	19.0	−6	17.4	8.8 ^ v
114	−6°	2107	7	18.7	−6	25.9	8.8 1 v
115	−7°	1963	7	19.4	−7	5.3	7.5 ^ v
116	−7°	1976	7	20.7	−7	43.3	8.8 ^ v
117	−7°	1971	7	20.1	−7	57.2	8.8 ^ v
118	−7°	1949	7	18.4	−7	27.5	8.7 ^ v
119	−7°	1941	7	17.9	−7	19.8	8.1 ^ v
120	−6°	2133	7	21.9	−6	24.5	8.8 ^ v
121	−6°	2119	7	20.8	−6	4.4	9.4 ^ v
122	−6°	2117	7	20.6	−6	3.0	9.0 ^ v
123	−6°	2167	7	26.0	−6	5.9	8.8 ^ v
124	−5°	2165	7	26.4	−5	55.0	7.3 1 v
125	−5°	2168	7	27.1	−5	37.6	9.1 ^ v
126	−6°	2185	7	27.5	−6	5.4	8.8 ^ v
127	−6°	2184	7	27.4	−6	34.7	8.1 ^ v
128	−6°	2190	7	28.9	−6	56.6	8.3 ^ v
129	−7°	2055	7	28.4	−7	28.2	9.0 ^ v
130	−6°	2191	7	29.1	−6	1.8	8.5 ^ v
131	−6°	2193	7	29.2	−6	7.1	9.0 ^ v
132	−5°	2175	7	28.3	−5	39.9	9.1 ^ v magn. 9.4
133	−5°	2178	7	29.0	−5	27.9	8.2 1 v
134	−5°	2173	7	27.7	−5	7.0	8.5 ^ v
135	−4°	2009	7	27.9	−4	30.2	9.2 ^ v

−5° 2176 7 28.3 −5° 41.1

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1913phae.proj.2150C

Tuesday September 9, 1913

B 20802 short

No.	Int.	Class	Remark
136	4	a0	
137	4	F5	
138	7	a2	
139	6	a0	
140	5	a0	
141	4	F0	
142	4	B9	
143	3	F5	
144	2	a5	
145	2	G0	
146	3	F0	
147	1	K0	
148	2	B9	
149	3	a2	
150	1	K5	
151	4	K0	
152	3	a0	
153	4	a0	
154	5	a0	
155	4	B9	E
Trine 11,205 156	4	K5	E
~~157~~			
~~158~~			

Cont. in Bk. 74, 96.

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1913phae..proj..2150C

136	−4°	2011	7	28.1	−4	18.3	9.0	^
137	−4°	2010	7	28.0	−4	5.4	8.5	^
138	−3°	1966	7	28.5	−3	52.7	8.7	^
139	−3°	1972	7	29.3	−3	37.2	8.7	^
140	−4°	2027	7	31.1	−4	40.0	8.3	^
141	−4°	2028	7	31.5	−4	39.7	8.0	^
142	−4°	2032	7	31.7	−4	28.0	8.4	^
143	−5°	2216	7	34.9	−5	27.5	8.2	^
144	−5°	2218	7	35.4	−5	24.7	8.7	^
145	−8°	1959	7	24.8	−8	24.2	9.0	^
146	−8°	1961	7	25.0	−8	22.9	9.0	^ Two stars superposed or both may be −8° 1961 See chart plate B26556
147	−8°	1957	7	24.6	−8	39.2	9.0	^
148	−8°	1987	7	28.1	−8	44.2	9.1	^
149	−9°	2117	7	28.3	−9	12.1	9.0	^
150	−9°	2135	7	29.8	−9	17.8	8.7	^
151	−9°	2143	7	30.7	−9	30.2	7.8	^
152	−9°	2149	7	31.6	−9	43.6	8.7	^
153	−9°	2156	7	32.2	−9	37.7	8.2	^
154	−9°	2157	7	32.4	−9	52.2	8.4	^
155	−10°	2141	7	31.9	−10	13.3	8.3	^
156	−10°	2137	7	31.3	−10	17.5	7.1	^

Identified by AMC. Nov. 19, 1913
Checked April 11, 1914. A.M.W.
Cards made out by G.E.D.
Cards checked by AMC.

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1913phae.proj.2150C

Thursday October 2, 1913

10.06 B13064 plate

No.	Int.	Class	Remark
1	2	A0	
2	1	Bq	
3	2	A2	
4	1	K0	
5	1	A2	
6	1	A0	
7	3	K0	
8	6	A0	
9	2	A0	
10	3	A0	
11	4	F5	
12	1	A3	Partly superposed on 11
13	6	G5	
14	2	F5	
15	2	A0	
16	4	A0	
17	3	A0	
18	2	Bq	
19	2	A2	
20	6	Bq	
21	1	A0	
22	5	Bq	
23	2	A0	
24	2	Bq	
25	6	A0	
26	4	K0	
27	1	K5	

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1913phae.proj.2150C

1	−40°	4068	8	13.1	−40	36.8	8.7 ✓
2	−40°	4080	8	13.9	−40	20.1	9.0 ✓
3	−40°	4089	8	14.4	−40	39.5	8.6 ✓
4	−40°	4094	8	14.6	−40	27.1	8.4 ✓
5	−40°	4088	8	14.4	−40	54.2	9.0 ✓
6	−41°	4014	8	16.3	−41	2.0	9.1 ✓
7	−40°	4135	8	17.1	−40	44.1	8.1 ✓
8	−40°	4140	8	17.3	−40	47.4	8.5 ✓
9	−40°	4147	8	17.6	−40	9.8	8.9 ✓
10	~~−41°~~ −39°	~~4268~~ 4263	8	~~18.3~~ 18.0	~~−41~~ −39	~~29.6~~ 50.7	~~8.0~~ 8.7 ✓
11	−39°	4268	8	18.3	−39	29.6	8.0 ✓
12	−39°	4265	8	18.2	−39	25.2	8.8 ✓
13	−39°	4247	8	17.0	−39	18.6	7.7 ✓
14	−39°	4279	8	18.9	−39	35.9	8.5 ✓
15	−39°	4289	8	19.5	−39	22.6	8.5 ✓
16	−39°	4291	8	19.6	−39	38.9	8.3 ✓
17	−39°	4310	8	20.6	−39	46.1	8.7 ✓
18	−39°	4315	8	21.0	−39	43.4	9.2 ✓
19	−39°	4314	8	20.9	−39	27.6	8.4 ✓
20	−39°	4327	8	21.4	−39	28.9	8.5 ✓
21	−39°	4330	8	21.6	−39	17.2	9.2 ✓
22	−39°	4343	8	22.3	−39	0.0	8.0 ✓
23	−39°	4334	8	21.9	−39	44.3	9.4 ✓
24	−39°	4335	8	21.9	−39	58.8	9.0 ✓
25	−40°	4230	8	21.1	−40	33.8	8.4 ✓
26	−40°	4240	8	21.7	−40	22.7	7.7 ✓
27	−41°	4097	8	20.4	−41	0.8	8.0 ✓

cards made out

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1913phae.proj.2150C

Thursday Oct. 2. 1913

B 13064 chart.

No.	Dist.	Class	Remark
28	3	Fo	
29	3	Ao	
30	6	Bq	
31	1	Ko	
32	7	Bq	Another star superposed on following side Potsdam class A
33	7	Bq	
34	3	Ao	
35	4	A3	
36	2.	Ao	
37	5	Bq	
38	6	Bq	
39	3	Bq	
40	4	Bq	
41	4²	Bq	~~Faint double. Spec Binary ? B3q, 4, class =~~
41a	2.	Bq	
42	1	Bq	
43	8	Ko	
44	2	A2	
45	4	Bq	
46	2	B8	
47	2	B8	
48	2	Ao	
49	5	B5	
50	10	Bq	
51	2	Bq	
52	1	Ao	Partly superposed on 48
53	2	Ao	
54	7	K5	

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1913phae.proj.2150C

28	−41°	4114	8	21.3	−41	1.9	8.8	✓
29	−40°	4245	8	21.9	−40	49.4	8.9	✓
30	−40°	4248	8	22.0	−40	46.7	7.7	✓
31	−40°	4261	8	22.7	−40	39.7	8.5	✓
32	−40°	4277	8	23.6	−40	50.0	7.5	✓ − 40°4278 superposed 10
33	−40°	4285	8	24.2	−40	45.3	7.7	✓
34	−40°	4297	8	24.8	−40	43.8	9.3	✓
35	−41°	4145	8	22.9	−41	19.4	8.3	✓
36	−41°	4162	8	23.6	−41	15.8	9.1	✓
37	−41°	4175	8	24.4	−41	7.4	8.5	✓
38	−41°	4189	8	25.2	−41	6.4	8.0	✓
39	−41°	4166	8	23.8	−41	24.8	8.7	✓
40	−41°	4193	8	25.3	−41	22.3	8.8	✓
41	GPD −41°	2608	8	25.4	−41	30.1	9.0	✓ In GDM there is only one star that is with combined light as magn. GDM −41°4194 magn. 8.4
41a	GPD −41°	2607	8	25.4	−41	29.9	9.0	✓
42	−41°	4201	8	25.7	−41	13.5	9.3	✓
43	−41°	4208	8	26.3	−41	6.0	7.2	✓
44	−40°	4342	8	26.8	−40	44.0	9.5	✓
45	−40°	4341	8	26.8	−40	32.9	~~7.0~~ 9.0	✓
46	−40°	4360	8	27.8	−40	42.6	9.3	✓
47	−41°	4214	8	26.6	−41	45.1	9.0	✓
48	−41°	4217	8	26.7	−41	35.8	9.6	✓
49	−41°	4225	8	27.4	−41	36.7	7.8	✓
50	−41°	4232	8	27.8	−41	24.7	7.3	✓
51	−41°	4240	8	28.4	−41	27.7	8.7	✓
52	−41°	4219	8	26.8	−41	37.3	9.0	✓
53	−41°	4228	8	27.6	−41	52.0	9.0	✓
54	−41°	4250	8	29.0	−41	11.0	7.2	✓

cards made out

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1913phae.proj.2150C

Thursday Oct 2, 1913

B 1306 + phot

	No.	Dist.	Class	Remark
	55	7	Ko	
	56	5	Ko	
	57	2	F8	
	58	7	F5	
	59	5	B8	
	60	1	A0	
	61	6	F5	
	62	3	Bq	
	63	5	A0	Lines narrow. Somewhat peculiar.
	64	4	A2	
	65	2	A0	Partly superposed on 66.
	66	3	Ma	
	67	1	Ko	
	68	2	Bq	
	69	5	Oe5	
	70	3	Bq	
	71	4	A0	
	72	2	K2	
	73	5	A0	
	74	5	Bq	
10.20	75	4	B8	
10.55	76	3	A2	
	77	3	A5	
	78	2	A0	
	79	1	K5	
	80	1	A	
	81	1	K5	

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1913phae.proj.2150C

55	-41°	4262	8	29.6	-41	14.7	7.1 ✓
56	-41°	4268	8	29.8	-41	40.1	7.2 ✓
57	-41°	4288	8	31.0	-41	40.4	8.5 ✓
58	-42°	4418	8	31.2	-42	7.5	7.8 ✓
59	-40°	4408	8	30.2	-40	48.4	8.5 ✓
60	-40°	4422	8	30.8	-40	46.5	9.4 ✓
61	-40°	4433	8	31.2	-40	26.4	7.5 ✓
62	-40°	4451	8	32.5	-40	20.1	8.8 ✓
63	-40°	4453	8	32.8	-40	15.3	7.3 ✓
64	-40°	4460	8	33.2	-40	24.4	8.3 ✓
65	~~-41~~ -39°	4583	8	33.0	~~-41~~ -39	55.8	9.4 ✓
66	-40°	4455	8	33.1	-40	0.0	7.3 ✓
67	~~-41~~ -39°	4596	8	33.3	~~-41~~ -39	56.1	8.0 ✓
68	-40°	4463	8	33.4	-40	8.0	9.3 ✓
69	-39°	4631	8	34.6	-39	58.5	8.1 ✓
70	-39°	4641	8	35.1	-39	48.4	8.5 ✓
71	-39°	4650	8	35.5	-39	37.6	8.5 ✓
72	-40°	4491	8	35.2	-40	50.8	8.3 ✓
73	-40°	4497	8	35.5	-40	39.8	8.1 ✓
74	-40°	4505	8	36.0	-40	37.5	8.0 ✓
75	-40°	4528	8	37.5	-40	15.2	8.5 ✓
76	-40°	4533	8	37.8	-40	7.4	9.1 ✓
77	-40°	4534	8	37.8	-40	23.4	8.9 ✓
78	-40°	4513	8	36.5	-40	59.6	9.1 ✓
79	-40°	4519	8	37.0	-40	47.4	8.3 ✓
80	-40°	4536	8	37.9	-40	36.4	9.5 ✓
81	-40°	4538	8	38.4	-40	42.4	9.0 ✓

Cards made out.

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1913phae.proj.2150C

Thursday Oct. 2, 1913

B 13064 short

No.	Int.	Class	Remark
82	3	Bq	
83	4	A0	
84	3	K0	
85	1	K	
86	2	[illegible]	
87	5	Bq	
88	3	A0	
89	4	Bq	
90	2	K0	
91	4	B8	
92	4	K0	
93	7	Bq	
94	7	Bq	
95	4	G	Nearly all superposed on 96. Stuck up on B 39944
96	8	A2	
97	3	K2	
98	1	A0	
99	1	A	
100	3	F8	
101	4	A0	
102	7	Bq	
103	3	K0	
104	2	A0	
105	2	A2	
106	2	A3	
107	2	A5	
108	2	K0	

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1913phae.proj.2150C

82	-40°	4555	8	39.3	-40	47.7	9.3 ✓
83	-41°	4404	8	37.5	-41	23.1	8.7 ✓
84	-41°	4294	8	31.5	-41	6.9	8.2 ✓
85	-40°	4436	8	31.4	-40	54.3	8.7 ✓
86	-40°	4454	8	32.8	-40	53.3	9.0 ✓
87	-41°	4319	8	32.9	-41	4.6	8.9 ✓
88	-41°	4330	8	33.4	-41	22.2	9.0 ✓
89	-41°	4337	8	34.2	-41	8.6	8.7 ✓
90	-41°	4333	8	33.7	-41	39.2	8.5 ✓
91	-41°	4322	8	33.0	-41	54.9	8.5 ✓
92	-41°	4328	8	33.4	-41	52.9	8.0 ✓
93	-42°	4469	8	34.2	-42	0.5	8.5 ✓
94	-42°	4487	8	35.2	-42	2.8	8.5 ✓
95	-41°	4370	8	35.9	-41	53.9	7.7 ✓
96	-41°	4371	8	35.9	-41	56.9	7.3 ✓
97	-41°	4380	8	36.3	-41	53.4	7.5 ✓
98	-41°	4360	8	35.4	-41	32.7	9.0 ✓
99	-41°	4363	8	35.5	-41	29.7	9.3 ✓
100	-42°	4517	8	37.1	-42	8.6	9.0 ✓
101	-41°	4403	8	37.5	-41	57.9	9.0 ✓
102	-42°	4525	8	37.6	-42	8.8	9.0 ✓
103	-42°	4528	8	37.7	-42	28.8	8.5 ✓
104	-42°	4503	8	36.4	-42	33.0	9.3 ✓
105	-42°	4510	8	36.7	-42	41.2	9.3 ✓
106	-43°	4549	8	37.2	-43	14.3	9.2 ✓
107	-43°	4569	8	38.1	-43	7.7	9.5 ✓
108	-43°	4566	8	38.0	-43	13.4	8.3 ✓

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Thursday October 2, 1913

B 13064 chart

No.	Int.	class	Remark
109	5	a2	
110	2	a2	
111	5	a3	
112	8	Bq	
113	5	a0	
114	5	B8	
115	5	Bq	
116	2	a2	
117	3	a3	
118	1	a	
119	6	B3	
120	8	a2	
121	2	a2	
122	6	B3	
123	6	B2	
124	5	B8	
125	2	a2	(Look up on chart plate 1. (The n.p. of 125 looked up on 13274 971.)
126	2	B8	
127	3	K5	
128	2	K2	
129	7	K5	
130	1	K0	
131	8	Bq	
132	2	go	
133	1	go	
134	2	B8	
135	1	Bq	

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109	−42°	4550	8	38.7	−42	51.9	8.8 ✓
110	−43°	4581	8	39.4	−43	2.1	9.4 ✓
111	−43°	4571	8	38.6	−43	30.8	9.0 ✓
112	−42°	4157	8	17.4	−42	26.3	8.0 ✓
113	−42°	4184	8	18.9	−42	35.1	8.7 ✓
114	−42°	4187	8	19.1	−42	24.1	8.5 ✓
115	−42°	4198	8	19.6	−42	9.1	8.5 ✓
116	−41°	4093	8	20.1	−41	49.5	9.0 ✓
117	−41°	4098	8	20.5	−41	38.4	8.7 ✓
118	−41°	4118	8	21.4	−41	32.4	9.5 ✓
119	−41°	4127	8	21.9	−41	43.9	8.0 ✓
120	−42°	4250	8	22.3	−42	6.8	7.6 ✓
121	−42°	4226	8	21.7	−42	15.4	9.5 ✓
122	−42°	4221	8	20.8	−42	57.5	8.2 ✓
123	−42°	4251	8	22.3	−42	59.9	7.9 ✓
124	−43°	4276	8	21.7	−43	37.0	8.9 ✓
125	−43°	4293	8	22.3	−43	32.1	9.2 ✓ 9.2 −43° 4294 superfund
126	−43°	4296	8	22.7	−43	27.1	9.4 ✓
127	−43°	4300	8	22.9	−43	49.0	8.3 ✓
128	−43°	4313	8	24.0	−43	48.5	9.1 ✓
129	−43°	4336	8	24.8	−43	30.2	7.0 ✓
130	−43°	4342	8	25.1	−43	13.1	8.8 ✓
131	−42°	4305	8	25.3	−42	54.9	8.3 ✓
132	−42°	4289	8	24.5	−42	47.2	9.4 ✓
133	−42°	4278	8	23.8	−42	26.2	9.3 ✓
134	−42°	4253	8	22.4	−42	27.7	9.5 ✓
135	−41°	4149	8	23.2	−41	44.5	9.5 ✓

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Thursday Oct. 2, 1913

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No.	Int.	class	Remark
136	3	K2	
137	4	Go	
138	4	Ao	
139	1	Ko	
140	1	K2	
141	4	Bq	
142	3	Ao	
143	3	Ao	
144	3	B8	
145	5	Ao	
146	4	F5	
147	3	Bq	
148	7	Ko	
149	3	Bq	Partly superposed on 150
150	2	Ko	" " 149
151	6	B3	
152	6	Bq	
153	5	B8	
154	3	[illegible]	
155	5	Ao	
156	3	Ao	
157	3	Bq	
158	4	Ao	
159	4	Ao	
160	2	Bq	
161	2	Ao	
162	3	Bq	

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136	-41°	4169	8	23.9	-41	49.1	7.5 ✓
137	-42°	4306	8	25.3	-42	4.8	9.0 ✓
138	-42°	4323	8	26.1	-42	13.5	9.1 ✓
139	-42°	4324	8	26.1	-42	29.3	9.3 ✓
140	-42°	4351	8	27.6	-42	18.1	9.3 ✓
141	-42°	4380	8	29.3	-42	12.4	9.0 ✓
142	-42°	4378	8	29.2	-42	21.0	9.5 ✓
143	-42°	4379	8	29.2	-42	35.6	9.5 ✓
144	-42°	4375	8	29.0	-42	39.1	9.3 ✓
145	-42°	4365	8	28.4	-42	48.5	8.7 ✓
146	-43°	4393	8	28.6	-43	0.0	8.4 ✓
147	-43°	4410	8	29.4	-43	1.4	9.4 ✓
148	-43°	4401	8	28.9	-43	15.4	9.0 ✓
149	-43°	4374	8	27.6	-43	23.7	8.5 ✓
150	-43°	4373	8	27.5	-43	26.3	8.4 ✓
151	-43°	4382	8	28.0	-43	30.3	8.1 ✓
152	-43°	4390	8	28.4	-43	37.2	9.0 ✓
153	-43°	4343	8	25.4	-43	40.8	8.7 ✓
154	-44°	4413	8	22.5	-44	26.3	9.3 ✓
155	-44°	4428	8	23.3	-44	12.6	8.7 ✓
156	-44°	4425	8	23.2	-44	41.8	9.1 ✓
157	-44°	4459	8	25.0	-44	28.0	9.8 ✓
158	-44°	4469	8	25.7	-44	19.5	9.0 ✓
159	-44°	4485	8	26.7	-44	11.7	9.4 ✓
160	-43°	4391	8	28.4	-43	52.4	9.3 ✓
161	-43°	4396	8	28.7	-43	48.6	9.5 ✓
162	-43°	4417	8	30.1	-43	35.0	8.8 ✓

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Thursday October 2, 1913

B 1364 short.

No.	Dif.	class	Remark
163	5	a5	
164	6	a2	
165	5	k5	
166	3	Bq	
167	3	Bo	H3 not seen
168	3	Ko	
169	4	Bq	
170	3	Bq	
171	5	Ko	
172	5	Ko	
173	2	K2	
174	3	ao	
175	2	ao	
176	3	Bo	
177	2	Ko	
178	1	k5	
179	2	Ko	
180	2	a2	
181	7	Bq	
182	1	Ko	
183	5	a2	
184	7	Bo	
185	3	Bq	
186	3	ao	
187	6	Ko	
188	7	k5	
189	2	ao	

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1913phae..proj..2150C

163	−43°	4449	8	31.5	−43	19.4	8.8 ✓
164	−43°	4476	8	32.8	−43	6.0	8.2 ✓
165	−43°	4475	8	32.7	−43	22.7	8.0 ✓
166	−43°	4508	8	34.5	−43	18.9	9.3 ✓
167	−43°	4467	8	32.3	−43	38.8	9.4 ✓
168	−43°	~~4467~~ 4474	8	~~32.8~~ 32.7	−43	~~38.8~~ 40.8	~~9.4~~ 7.8 ✓
169	−43°	4458	8	31.7	−43	58.2	9.1 ✓
170	−43°	4437	8	31.0	−43	52.0	9.5 ✓
171	−43°	4422	8	30.3	−43	50.3	7.7 ✓
172	−42°	4113	8	14.6	−42	8.0	7.1 ✓
173	−42°	4131	8	15.5	−42	20.0	8.3 ✓
174	−43°	4166	8	16.0	−43	35.0	9.0 ✓
175	−43°	4234	8	19.3	−43	50.4	9.3 ✓
176	−43°	4259	8	20.7	−43	53.8	8.5 ✓
177	−44°	4748	8	39.7	−44	11.0	9.1 ✓
178	−43°	4593	8	40.1	−43	17.1	8.8 ✓
179	−42°	4591	8	41.2	−42	52.3	8.4 ✓
180	−43°	4617	8	41.7	−43	0.4	9.5 ✓
181	−43°	4615	8	41.7	−43	17.8	8.2 ✓
182	−43°	4627	8	42.3	−43	23.6	9.1 ✓
183	−43°	4624	8	42.2	−43	30.7	9.0 ✓
184	−43°	~~4401~~ 4635	8	~~28.9~~ 42.6	−43	~~15.4~~ 36.8	~~9.0~~ 8.3 ✓
185	−43°	4643	8	43.0	−43	36.3	9.1 ✓
186	−43°	4658	8	43.7	−43	28.6	9.3 ✓
187	−42°	4638	8	43.5	−42	53.6	7.6 ✓
188	−42°	4577	8	40.3	−42	10.3	7.8 ✓
189	−41°	4446	8	40.1	−41	58.8	9.1 ✓

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Thursday October 2, 1913

B 1364 short

	No.	Int.	Class	Remark
	190	3	Bq	
	191	3	K2	
	192	3	Fo	
	193	5	A2	
	194	7	B5	
	195	4	Bq	
	196	5	Bq	
	197	3	Ao	
	198	7	A2	
	199	3	Ao	
	200	4	F8	
	201	5	B8	
	202	6	A2	
	203	2	Ao	
	204	1	Ao	
	205	5	Bq	
	206	5	Bq	
11.20	207	10	Bq	
Friday Oct 3, 1913	208	4	Bq	
11.05	209	5	Bq	
	210	3	Ao	
	211	3	Ma	
	212	2	Ao	
	213	1	K5	
	214	1	A.o	
	215	1	Ao	
11.08	216	2	Ao	

Cont in Book 13 page 2

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190	-41°	4445	8	40.1	-41	50.8	8.5 ✓
191	-41°	4460	8	40.7	-41	25.6	7.6 ✓
192	-41°	4439	8	39.8	-41	5.5	8.5 ✓
193	-41°	4443	8	40.0	-41	15.6	8.0 ✓
194	-40°	4569	8	40.1	-40	49.7	7.3 ✓
195	-40°	4582	8	40.6	-40	59.0	8.7 ✓
196	-41°	4455	8	40.5	-41	3.6	9.1 ✓
197	-41°	4466	8	41.0	-41	3.2	9.0 ✓
198	-40°	4613	8	42.7	-40	44.4	8.1 ✓
199	-40°	4612	8	42.7	-40	58.8	9.0 ✓
200	-40°	4616	8	42.9	-40	22.4	8.1 ✓
201	-41°	~~4478~~ 4479	8	41.8	-41	35.0	8.0 ✓
202	-41°	4476	8	41.4	-41	52.8	8.0 ✓
203	-41°	4471	8	41.2	-41	57.3	9.1 ✓
204	-42°	4593	8	41.3	-42	9.8	9.6 ✓
205	-42°	4605	8	41.8	-42	18.0	9.2 ✓
206	-42°	4611	8	42.1	-42	20.0	9.3 ✓
207	-42°	4610	8	42.1	-42	6.5	7.5 ✓
208	-41°	3981	8	14.7	-41	35.5	9.1 ✓
209	-41°	3990	8	15.2	-41	37.2	8.7 ✓
210	-41°	3989	8	15.2	-41	59.2	9.0 ✓
211	-41°	4023	8	16.8	-41	51.7	8.0 ✓
212	-40°	3995	8	15.5	-41	23.8	9.2 ✓
213	-41°	4041	8	17.7	-41	17.5	8.0 ✓
214	-40°	4185	8	19.1	-40	58.9	9.3 ✓
215	-40°	4184	8	19.1	-40	38.1	9.3 ✓
216	-40°	4173	8	18.5	-40	23.1	9.4 ✓

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