

1913phae.proj.2156C























This book was examined for additional stars by A.M.C. Jan. 4, 1917

Friday Oct. 3, 1913

B13064

Cont. from Bk. 67 page 218  
B13064 short.

11.20

No.	Sub.	Class	Remark
217	1	K5	
217a	2	A2	
<del>217</del>			
218	1	K5	
219	3	A3	
220	3	F5	
221	5	A0	
222	2	A0	Nearly all superposed on 221
223	2	B9	
224	1	A0	
225	3	B9	
226	1	A0	
227	2	A0	
228	1	A	Partly superposed on 227
229	1	A	
<sup>30</sup> 229	2	B8	
231	1	K	
232	3	B9	
233	2	K5	
234	1	A2	
235	2	B9	
236	1	K5	
237	3	B9	
238	4	B9	
239	3	B9	Other stars superposed.
240	3	B8	
241	1	K5	
242	2	F2	



217	-40°	4155	8	17.8	-40	32.8	8.7 ✓
217a	-41°	4083	8	19.7	-41	17.4	9.2 ✓
218	-41°	4080	8	19.5	-41	14.9	8.9 ✓
	38°				38		
219	-41°	4504	8	23.7	-41	33.8	8.4 ✓
	38°				38		
220	-41°	4515	8	24.0	-41	40.8	8.5 ✓
	38°				38		
221	-41°	4533	8	25.0	-41	11.7	8.0 ✓
	38°				38		
222	-41°	4528	8	24.9	-41	12.3	9.3 ✓
	39°				39		
223	-41°	4357	8	23.1	-41	29.8	9.2 ✓
	39°				39		
224	-41°	4350	8	22.6	-41	31.2	9.3 ✓
	39°				39		
225	-41°	4367	8	23.5	-41	41.8	8.9 ✓
	39°				39		
226	-41°	4370	8	23.8	-41	41.6	9.3 ✓
	39°				39		
227	-41°	4381	8	24.2	-41	38.5	9.0 ✓
	39°				39		
228	-41°	4382	8	24.2	-41	32.2	9.5 ✓
	38°				38		
229	-41°	4596	8	28.1	-41	48.9	9.2 ✓
	38°				38		
230	-41°	4689	8	33.6	-41	58.5	8.5 ✓
	39°				39		
231	-41°	4604	8	38.6	-44	6.0	8.0 ✓
	38°				38		
232	-41°	4735	8	36.4	-41	22.4	9.5 ✓
	38°				38		
233	-44°	4470	8	25.7	-44	47.5	8.5 ✓
234	-44°	4535	8	29.7	-44	46.1	9.1 ✓
235	-44°	4540	8	30.0	-44	58.4	9.7 ✓
236	-44°	4550	8	30.6	-44	22.4	9.5 ✓
237	-44°	4544	8	30.2	-44	27.9	9.0 ✓
238	-44°	4547	8	30.3	-44	4.8	9.4 ✓
239	-44°	4489	8	27.0	-44	0.5	9.6 ✓
240	-43°	4371	8	27.4	-43	4.6	9.5 -44° 4490 superfund 9.6
241	-43°	4375	8	27.6	-43	59.5	8.8 ✓
242	-43°	4375	8	26.0	-43	58.7	9.0 ✓
				27.6	-43	45.3	9.1 ✓

Cards made out



Friday October 3, 1913

B 13064 phot.

No.	Int.	class	Remark
243	1	G5	
244	3	A0	
245	4	B3	
246	4	A0	
247	4	K0	
248	2	A0	
249	3	A0	
250	2	G5	
251	2	F5	
252	2	B9	
253	2	K0	
254	2	A2	
255	1	K0	
256	1	K5	
257	1	A	
258	3	K0	
259	2	A0	
260	2	A5	
1135	261	1	B9
12.00	262	3	K2
	263	3	A E
	264	2	K2
	265	4	B8
	266	1	K2
12.02	267	4	B9
	268		
	269		
	268	3	B9



243	-42°	4328	8	26.4	-42	45.4	9.1 ✓
244	-44°	4584	8	32.2	-44	59.5	9.2 ✓
245	-44°	4602	8	33.1	-44	46.3	8.5 ✓
246	-44°	4659	8	35.5	-44	19.4	9.4 ✓
247	-44°	4662 <sup>5</sup>	8	35.7 <sup>8</sup>	-44	16.4 <sup>8</sup> 20.6	8.5 ✓
248	-44°	4662	8	35.7	-44	20.6	9.5 ✓
249	-44°	4684	8	36.6	-44	18.3	9.4 ✓
250	-43°	4551	8	37.3	-43	48.4	9.1 ✓
251	-43°	4522	8	35.2	-43	44.3	9.3 ✓
252	-43°	4500	8	34.0 <sup>3</sup>	-44	51.6	9.4 ✓
253	-44°	4616	8	33.6	-44	2.9	8.8 ✓
254	-43°	4497	8	33.9	-43	39.6	9.6 ✓
255	-43°	4499	8	34.0	-43	40.2	9.3 ✓
256	-44°	4633	8	34.2	-44	28.8	9.4 ✓
257	-44°	4661	8	35.7	-44	41.6	9.5 ✓
258	-44°	4330	8	17.5	-44	36.4	8.4 ✓
259	-43°	4230	8	19.2	-43	59.9	9.4 ✓
260	-44°	4372	8	19.9	-44	6.2	9.7 ✓
261	-44°	4381	8	20.2	-44	0.7	9.5 ✓
262	-45°	4395	8	36.7	-45	18.9	8.3 ✓
263	-45°	4389	8	36.2	-45	40.9	9.2 ✓
264	-45°	4437	8	38.7	-45	0.8	8.5 ✓
265	-45°	4435	8	38.5	-45	6.4	9.0 ✓
266	-44°	4740	8	39.4	-44	41.2	9.1 ✓
Trail of 267	-45°	4517	8	41.8	-45	35.1	4.1 ✓

Identified by J. G. M. October 31, 1913

Checked by A.M.C. Nov. 11, 1913

Cards made out by S. R. B. Cards checked by A.M.C.

Friday October 3, 1913

12.10

B13046 short #

No	Int.	class	Remark
1	1	Cc	Another star superposed on prev. side
2	2	Ao	
3	2	Bg	
4	1	Bg	
5	10	Ko	
6	2	K2	
7	4	Bg	
8	1	K5	
9	5	Bg	
10	3	Bg	
11	2	Ao	
12	4	B5	
13	2	G5	
14	1	Ao	
15	6	Ao	
16	4	A2	
17	3	Ko	
18	2	B5	
19	2	Ao	
20	1	B8	
21	1	Ao	
22	8	G5	
23	1	Ao	
24	1	Ao	
25	7	B8	
26	1	Ao	
27	2	Bg	



1	-30°	6703	8	37.9	-30	17.8	9.1	✓ -30° 6695 <i>supposed</i> 8.8
2	-30°	6682	8	37.2	-30	7.4	8.6	✓
3	-29°	6592	8	36.1	-29	38.6	8.3	✓
4	-28°	6392	8	35.7	-28	57.0	8.7	✓
5	-29°	6544	8	34.5	-29	7.5	5.6	✓
6	-28°	6354	8	34.2	-28	51.5	8.1	✓
7	-29°	6527	8	33.7	-29	56.9	8.5	✓
8	-29°	6512	8	33.2	-29	33.1	8.1	✓
9	-30°	6565	8	32.4	-30	3.9	7.7	✓
10	-30°	6559	8	32.0	-30	13.2	7.9	✓
11	-30°	6549	8	31.6	-30	20.5	8.0	✓
12	-30°	6539	8	31.1	-30	9.5	7.5	✓
13	-29°	6456	8	31.3	-29	36.6	8.3	✓
14	-29°	6448	8	31.0	-29	26.3	8.7	✓
15	-29°	6430	8	30.3	-29	5.0	7.5	✓
16	-28°	6215 <del>6205</del>	8	28.0	-28	58.6	8.1	✓
17	-28°	6181	8	26.9	-28	56.3	7.8	✓
18	-29°	6352	8	28.1	-29	31.6	8.4	✓
19	-29°	6347	8	27.9	-29	33.3	8.6	✓
20	-29°	6400	8	29.1	-29	45.2	8.9	✓
21	-29°	6379	8	28.7	-29	51.9	9.0	✓
22	-31°	6229	8	28.0	-31	6.3	6.9	✓
23	-31°	6234	8	28.2	-31	20.6	8.7	✓
24	-30°	6418	8	26.9	-30	37.6	8.5	✓
25	-30°	6385	8	25.7	-30	42.7	7.2	✓
26	-30°	6388	8	25.9	-30	22.9	8.5	✓
27	-30°	6371	8	25.3	-30	5.6	9.0	✓

Cards made out.

Friday October 3, 1913

B13046 short

No.	Int.	class	Remark
28	1	G <sub>0</sub>	
29	1	A <sub>0</sub>	
30	2	A <sub>0</sub>	
31	2	F <sub>2</sub>	
32	1	G <sub>5</sub>	
33	2	F <sub>5</sub>	
34	1	F <sub>5</sub>	
35	2	A <sub>0</sub>	
36	7	G <sub>5</sub>	
37	2	A <sub>0</sub>	
38	2	A <sub>0</sub>	
39	5	K <sub>0</sub>	
40	1	A	
41	1	K <sub>5</sub>	
42	3	K <sub>0</sub>	
43	3	B <sub>9</sub>	
44	7	B <sub>8</sub>	
45	3	K <sub>0</sub>	
46	3	A <sub>0</sub>	
47	1	A <sub>0</sub>	
48	2	K <sub>2</sub>	
49	5	A <sub>0</sub>	
50	1	K <sub>0</sub>	
51	2	B <sub>8</sub>	
52	1	A <sub>0</sub>	
53	2	K <sub>0</sub>	Another star superposed at north-
54	4	K <sub>2</sub>	



28	-29°	6283	8	25.9	-29	36.6	8.3	✓
29	-29°	6307	8	26.6	-29	47.3	9.0	✓
30	-29°	6177	8	21.6	-29	31.7	9.0	✓
31	-29°	6162	8	21.3	-29	57.4	9.0	✓
32	-30°	6289	8	22.5	-30	13.6	8.1	✓
33	-31°	6182	8	26.0	-31	19.1	8.3	✓
34	-32°	5414	8	26.9	-32	9.5	9.1	✓
35	-32°	5433	8	27.8	-32	1.2	8.9	✓
36	-32°	5465	8	29.5	-32	10.2	7.0	✓
37	-32°	5470	8	29.8	-32	5.8	9.0	✓
38	-32°	5487	8	30.6	-32	8.5	8.8	✓
39	-31°	6316	8	31.3	-31	49.9	7.2	✓
40	-31°	6312	8	31.2	-31	37.2	8.9	✓
41	-31°	6295	8	30.7	-31	46.9	7.9	✓
42	-30°	6506	8	30.2	-30	51.3	7.7	✓
43	-30°	6517	8	30.5	-30	29.2	8.6	✓
44	-30°	6540	8	31.2	-30	53.6	7.5	✓
45	-31°	6328	8	31.9	-31	17.7	8.0	✓
46	-31°	6333	8	32.3	-31	18.2	8.5	✓
47	-30°	6553	8	31.8	-30	23.5	8.4	✓
48	-31°	6408	8	35.8	-31	21.6	8.0	✓
49	-31°	6398	8	35.2	-31	43.2	8.5	✓
50	-31°	6394	8	35.1	-31	49.9	8.2	✓
51	-32°	5536	8	32.7	-32	55.5	8.2	✓
52	-33°	5244	8	32.0	-33	44.0	9.2	✓
53	-33°	5222	8	30.9	-33	37.5	8.3	✓
54	-33°	5207	8	30.3	-33	35.9	7.1	✓

cards made out

Friday October 3, 1913

B13046 short

No.	Dist.	Class	Remark
55	1	K <sub>2</sub>	
56	3	A <sub>0</sub>	
57	1	K <sub>0</sub>	
58	1	A	
59	5	B <sub>5</sub>	
60	6	K <sub>0</sub>	
61	1	F <sub>5</sub>	
62	2	B <sub>9</sub>	
63	3	B <sub>9</sub>	
64	2	K <sub>0</sub>	
65	1	K <sub>0</sub>	
66	1	B	Almost cont.
67	2	A <sub>0</sub>	
68	2	A <sub>0</sub>	
69	2	A <sub>2</sub>	
70	1	F <sub>5</sub>	
71	1	A	
72	4	A <sub>5</sub>	
73	3	A <sub>0</sub>	
74	2	K <sub>5</sub>	
75	2	F <sub>0</sub>	
76	1	A	
77	1	B <sub>5</sub>	
78	1	A	
79	1	K <sub>5</sub>	Another star superposed?
80	1	B <sub>9</sub>	
81	1	B <sub>5</sub>	



55	-33°	5195	8	29.5	-33	45.9	7.8	✓
56	-33°	5179	8	28.9	-33	3.6	8.0	✓
57	-33°	5154	8	27.8	-33	7.9	8.0	✓
58	-33°	5171	8	28.7	-33	34.2	8.9	✓
59	-34°	4969	8	28.5	-34	13.7	8.0	✓
60	-34°	4959	8	28.1	-34	12.7	6.8	✓
61	-34°	4927	8	26.6	-34	9.8	8.7	✓
62	-34°	4919	8	26.3	-34	18.8	8.8	✓
63	-34°	4929	8	26.8	-34	46.2	8.8	✓
64	-33°	5099	8	25.1	-33	46.1	8.0	✓
65	-33°	5125	8	26.5	-33	37.3	8.2	✓
66	-34°	4887	8	24.7	-34	30.6	8.6	✓
67	-34°	4871	8	24.2	-34	29.6	9.0	✓
68	-35°	4748	8	27.5	-35	18.6	8.8	✓
69	-34°	4985	8	29.2	-34	54.8	8.6	✓
70	-34°	5007	8	30.1	-34	38.2	8.7	✓
71	-34°	4980	8	29.0	-34	23.3	9.0	✓
72	-34°	5069	8	32.6	-34	53.2	8.4	✓
73	-35°	4886	8	33.6	-35	23.2	8.6	✓
74	-35°	4861	8	32.6	-35	41.1	7.5	✓
75	-36°	4845	8	33.1	-36	0.9	8.8	✓
76	-34°	5056	8	32.1	-34	13.0	9.1	✓
77	-34°	5039	8	31.4	-34	1.2	8.4	✓
78	-33°	5255	8	32.4	-33	47.5	9.4	✓
79	-34°	4916	8	26.1	-34	49.2	8.3	✓ -34° 4915 <sup>9.8</sup> <i>superficial</i>
80	-33°	5079	8	24.4	-33	28.3	9.0	✓
81	-33°	5032	8	22.3	-33	2.8	8.5	✓

cards made out

Friday October 3, 1973

B 13046 short.

No.	Sec	class	Remark
82	1	K2	
83	1	B8	
84	1	B9	
85	1	K0	
86	1	K0	
87	1	A	
88	1	A	
12.23	89 10+	B	classified from trail.



	82	-32°	5246	8	19.1	-32	53.8	8.5 <sup>3</sup>	✓
	83	-32°	5226	8	18.2	-32	44.3	9.1	✓
	84	-32°	5209	8	17.4	-32	51.3	9.0	✓
	85	-33°	4925	8	17.9	-33	55.7	8.0	✓
	86	-33°	5000	8	20.8	-33	52.3	8.7	✓
	87	-33°	4918	8	17.4	-33	44.5	9.3	✓
	88	-33°	4923	8	17.7	-33	45.2	9.4	✓
Trail	89	-32	5651	8	38.6	-33 <sup>2</sup>	43.8	3.8	✓ -32° 5650 superposed 78

Identified by J.B.M. October 25, 1913.

Checked by A.M.C. Nov. 7, 1913

Cards checked by E.R.B.

Cards checked by A.M.C.

Friday October 13, 1913

12.47

B13072 short

No	Sex	Class	Remark
1	2	Ko	
2	4	As	
3	3	F8	
4	6	F8	
5	3	As	
6	2	Ko	
7	5	Fo	
8	4	F5	
9	2	As	
10	6	Bq	
11	8	As	
12	2	Ko	
13	1	a	
14	1	Ko	
15	4	As	
16	10	As	
17	7	Ko	
18	3	F2	
19	2	As	
20	2	As	
21	2	A.3	
22	2	Ko	
23	3	Bq	<del>Another star</del> <del>unperposed?</del>
24	5	F2	
25	2	As	
26	4	As	
27	5	Bq	

almost continuous  
-27°55'36" up for; probably Class B<sub>n</sub>



1	-26°	6003	8	19.8	-26	35.2	8.5	✓
2	-26°	6030	8	20.8	-26	57.5	8.5	✓
3	-26°	6051	8	21.6	-26	30.6	8.6	✓
4	-26°	6076	8	22.8	-26	35.5	8.1	✓
5	-26°	6085	8	23.2	-26	28.1	9.0	✓
6	-26°	6099	8	24.1	-26	30.6	8.5	✓
7	-26°	6120	8	24.9	-26	39.2	8.3	✓
8	-26°	6134	8	25.6	-26	15.1	8.0	✓
9	-26°	6151	8	26.4	-26	0.2	9.1	✓
10	-26°	6157	8	26.6	-26	16.6	7.9	✓
11	-25°	6205	8	26.4	-25	35.6	8.0	✓
12	-25°	6247	8	28.3	-25	19.0	8.0	✓
13	-25°	6236	8	27.8	-25	36.9	9.0	✓
14	-25°	6238	8	27.9	-25	46.0	8.2	✓
15	-26°	6208	8	29.5	-26	3.8	8.4	✓
16	-26°	6225	8	30.2	-26	24.6	6.5	✓
17	-26°	6200	8	29.2	-26	39.8	7.0	✓
18	-24°	7238	8	33.6	-24	38.9	8.1	✓
19	-24°	7220	8	32.8	-24	12.4	9.0	✓
20	-27°	5470	8	21.3	-27	26.3	9.1	✓
21	-27°	5493	8	22.2	-27	16.0	9.0	✓
22	-27°	5498	8	22.4	-27	2.5	8.5	✓
23	-27°	5534	8	24.0	-27	21.8	9.0	✓
24	-27°	5563	8	25.4	-27	24.5	7.5	✓
25	-27°	5565	8	25.5	-27	2.7	9.0	✓
26	-27°	5586	8	26.5	-27	30.5	8.7	✓
27	-27°	5592	8	26.8	-27	4.0	8.1	✓

cards made out.

9.88  
 27° 5536 superseded  
 must be not star.

Friday October 3, 1913

B 130720 short

No.	Int.	Class	Remark
28	2	A <sub>0</sub>	
29	1	A <sub>0</sub>	
30	3	A <sub>0</sub>	
31	1	B <sub>5</sub>	
32	3	B <sub>9</sub>	
33	6	K <sub>0</sub>	
34	7	B <sub>9</sub>	
35	1	A <sub>0</sub>	
36	1	K <sub>2</sub>	Another star superposed on S f side
37	2	A <sub>0</sub>	
38	3	B <sub>9</sub>	
39	2	A	Partly superposed on 40
40	1	K <sub>0</sub>	
41	2	A <sub>2</sub>	
42	2	K <sub>0</sub>	
43	6	B <sub>9</sub>	
44	1	F <sub>8</sub>	Focus from Another star superposed?
45	3	K <sub>0</sub>	
46	3	A <sub>2</sub>	
47	2	A <sub>0</sub>	
48	3	A <sub>5</sub>	
49	7	B <sub>5</sub>	
12.55	50	K <sub>0</sub>	
Monday Oct. 6, 1913 10-24	51	A <sub>2</sub>	
	52	A <sub>2</sub>	
	53	B <sub>5</sub>	
	54	K <sub>0</sub>	



28-27°	5601 8	27.2-27	0.7	9.0 ✓
29-27°	5597 8	27.0-27	4.0	9.1 ✓
30-27°	5635 8	28.5-27	42.7	8.8 ✓
31-27°	5647 8	29.1-27	37.5	8.6 ✓
32-28°	6244 8	29.1-28	11.1	8.6 ✓
33-28°	6276 8	30.6-28	2.9	7.6 ✓
34-28°	6288 8	31.2-28	21.5	8.1 ✓
35-28°	6323 8	32.9-28	28.2	9.3 ✓
36-27°	5692 8	31.2-27	39.1	7.9 -27° 5695 superimposed 8.9 ✓
37-27°	5693 8	31.2-27	17.8	9.0 ✓
38-27°	5678 8	30.7-27	29.8	8.6 ✓
39-28°	6209 8	27.9-28	6.4	9.0 ✓
40-28°	6212 8	27.9-28	12.1	8.5 ✓
41-28°	6238 8	28.9-28	23.1	8.9 ✓
42-28°	6245 8	29.3-28	39.1	8.3 ✓
43-28°	6257 8	29.9-28	28.1	8.3 ✓
44-27°	5484 8	21.8-27	53.8	9.0 -27° 5488 superimposed 9.4 ✓
45-27°	5496 8	22.3-27	52.4	7.9 ✓
46-29°	6201 8	22.6-29	0.8	8.9 ✓
47-27°	5516 8	23.3-27	56.7	8.6 ✓
48-28°	6090 8	23.3-28	18.0	8.9 ✓
49-28°	6102 8	23.9-28	16.6	8.3 ✓
50-28°	6106 8	24.0-28	15.3	8.1 ✓
51-28°	6130 8	24.8-28	14.3	8.9 ✓
52-28°	6143 8	25.2-28	14.4	8.8 ✓
53-28°	6148 8	25.5-28	9.1	8.9 ✓
54-28°	6152 8	25.6-28	9.4	8.7 ✓

cards made out

Monday October 6, 1913

B13072 short.

no.	Int.	Class	Remark	
55	2	A2		
56	1	A		
57	5	B9	Another star superposed at north.	
58	3	F0		
59	1	K2	R	
60	2	A0		
61	1	A0		
62	1	A2		
63	1	A0		
64	1	A0		
65	1	K5		
66	3	F2		
67	1	K2		
68	1	F8		
69	2	F5		
70	2	K2		
71	3	A5		
72	2	K2		
73	2	K5		
74	1	B9		
75	1	A0		0.5
76	2	A3		0.5
77	3	B9		1.5
78	2	K2	Partly superposed on 77.	3.5
79	1	A0		0.5
80	1	K2	Partly superposed on 79	
81	1	F5		



55	-28°	6166	8	26.3	-28	39.1	9.1	✓
56	-28°	6172	8	26.6	-28	36.6	9.3	✓
57	-28°	6203	8	27.6	-28	27.1	9.3	✓
58	-29°	6272	8	25.6	-29	14.6	8.7	✓
59	-29°	6227	8	23.9	-29	17.6	8.6	✓
60	-28°	6086	8	23.2	-28	54.8	8.9	✓
61	-28°	6062	8	22.2	-28	17.9	9.2	✓
62	-28°	6058	8	22.0	-28	20.6	9.2	✓
63	-28°	6031	8	21.1	-28	57.9	9.2	✓
64	-29°	6185	8	22.0	-29	20.3	9.1	✓
65	-29°	6175	8	21.6	-29	22.0	8.6	✓
66	-28°	6249	8	29.5	-28	53.6	8.8	✓
67	-28°	6281	8	30.7	-28	50.9	8.7	✓
68	-29°	6408	8	29.4	-29	0.5	9.1	✓
69	-29°	6431	8	30.4	-29	19.3	9.0	✓
70	-29°	6494	8	32.6	-29	29.3	8.3	✓
71	-29°	6503	8	32.9	-29	47.5	8.6	✓
72	-28°	6343	8	33.8	-28	54.6	8.4	✓
73	-30°	6614	8	34.4	-30	8.9	8.1	✓
74	-30°	6623	8	34.7	-30	3.9	9.1	✓
75	-30°	6632	8	35.2	-30	6.9	9.3	✓
76	-25°	6211	8	26.7	-25	16.2	9.0	✓
77	-25°	6203	8	26.3	-25	4.2	8.5	✓
78	-25°	6204	8	26.3	-25	11.2	8.4	✓
79	-25°	6198	8	26.1	-25	16.2	7.7	✓
80	-25°	6200	8	26.2	-25	22.5	8.4	✓
81	-25°	6195	8	25.9	-25	31.6	8.7	✓

-28° 6204 superseded 8.5  
must be very high star

Cards made out

Monday October 6, 1913

B 13072 short

No.	Int.	class	Remark
82	6	Is	Auricular stain superposed
83	3	Ao	
84	4	A3	
85	1	Ao	
86	2	A2	
87	4	Bq	
88	2	K2	
89	3	A	Partly superposed on 90
90	5	Ao	
91	1	Ko	
92	3	Ao	
93	1	Ko	
94	2	Ko	
95	1	A5	
96	2	Ao	
97	4	K2	
98	6	Ao	
99	1	K2	
100	1	Ao	
101	5	Ao	
102	3	A3	
103	4	Ao	
104	2	A2	
105	2	Ao	
106	2	Ko	
107			
108			

16.34



82	-25°	6174	8	25.0	-25	37.5	8.2	✓	-25° 6173 superimposed 9.5
83	-25°	6155	8	24.4	-25	53.0	8.5	✓	
84	-25°	6151	8	24.2	-25	28.9	8.2	✓	
85	-25°	6158	8	24.4	-25	14.7	9.4	✓	
86	-25°	6147	8	24.0	-25	14.2	9.2	✓	
87	-25°	6136	8	23.6	-25	8.7	8.4	✓	
88	-24°	7032	8	25.0	-24	45.7	8.1	✓	
89	-24°	7041	8	25.4	-24	55.3	8.8	✓	
90	-25°	6185	8	25.4	-25	1.2	8.6	✓	
91	-24°	7034	8	25.1	-24	53.9	8.6	✓	
92	-24°	7029	8	24.9	-24	0.2	8.6	✓	
93	-24°	7027	8	24.7	-24	27.6	8.9	✓	
94	-24°	7018	8	24.4	-24	30.1	8.4	✓	
95	-23°	7360	8	23.4	-23	51.6	9.1	✓	
96	-24°	6982	8	22.7	-24	2.6	8.9	✓	
97	-24°	6971	8	22.4	-24	28.6	7.4	✓	
98	-24°	6968	8	22.2	-24	40.6	7.7	✓	
99	-24°	6987	8	22.8	-24	47.6	8.9	✓	
100	-24°	6966	8	22.2	-24	56.3	9.0	✓	
101	-25°	6065	8	20.7	-25	20.2	8.6	✓	
102	-25°	6056	8	20.3	-25	25.9	8.5	✓	
103	-25°	6046	8	19.9	-25	53.5	8.9	✓	
104	-26°	6059	8	22.1	-26	8.0	8.5	✓	
105	-25°	6014	8	18.6	-25	59.4	9.0	✓	
106	-25°	6029	8	19.2	-25	43.0	8.7	✓	

Identified by J. C. M. October 25, 1913

Checked by Ann C. Nov. 7, 1913

Cards made out by S. R. B. Cards checked by Ann C.

Monday October 6, 1913

11.15

B 13116 shot.

No.	Int.	Class	Remark
1	6	F8	
2	5	A0	
3	9	B9	
4	1	K2	
5	8	F5	
6	6 2	F5	
7	2	K0	
8	9	K0	
9	8	A2	
10	8	A3	
11	2	A5	
12	3	F0	
13	2	F5	
14	4	A2	
15	8	A2	
16	6	F5	
17	4	A2	
18	1	K0	Aurora star of same class on prev. side.
19	1	K0	
20	2	K0	
21	1	A5	
22	3	A0	
23	4	A2	
24	4	F8	
25	7	F2	
26	6	A0	
27	1	K0	



1	-35°	5868	9	35.9	-35	28.2	7.5	✓
2	-35°	5886	9	37.2	-35	0.3	8.0	✓
3	-34°	6097	9	37.4	-34	55.8	6.5	✓
4	-35°	5893	9	38.0	-35	4.6	8.3	✓
5	-35°	5917	9	40.7	-35	17.2	7.1	✓
6	-35°	5945	9	43.3	-35	15.3	8.5	✓
7	-35°	5955	9	44.1	-35	23.3	8.3	✓
8	-35°	5961	9	44.6	-35	41.2	6.7	✓
9	-35°	5971	9	45.2	-35	40.6	7.7	✓
10	-34°	6170	9	43.4	-34	26.4	7.5	✓
11	-34°	6172	9	43.9	-34	20.5	8.5	✓
12	-33°	6410	9	44.7	-33	58.3	8.0	✓
13	-34°	6215	9	46.4	-34	41.1	8.5	✓
14	-34°	6230	9	47.0	-34	31.4	8.3	✓
15	-34°	6256	9	49.2	-34	19.4	7.5	✓
16	-34°	6289	9	51.6	-34	14.0	7.5	✓
17	-34°	6292	9	51.8	-34	29.3	8.3	✓
18	-35°	6013	9	49.6	-35	2.8	8.5	✓ -35° 6011 superposed 9.5
19	-35°	6006	9	49.0	-35	11.8	8.6	✓
20	-35°	6003	9	48.4	-35	48.6	9.3	✓
21	-35°	6004	9	48.9	-35	45.2	9.0	✓
22	-36°	6003	9	48.8	-36	1.8	9.0	✓
23	-36°	5996	9	48.1	-36	40.2	8.5	✓
24	-36°	5994	9	48.0	-36	49.8	8.5	✓
25	-36°	6009	9	49.2	-36	41.7	7.3	✓
26	-36°	6016	9	49.6	-36	45.3	8.0	✓
27	-36°	6025	9	50.4	-36	18.1	8.5	✓

Cards made out

Monday October 6, 1913

B13116

No.	Int.	Class	Remark
28	2	G5	
29	3	A2	
30	6	A2	
31	5	K0	
32	8	F8	
33	1	A2	
34	8	F8	
35	5	K2	
36	5	A2	
37	1	K0	
38	9	K0	
39	2	A0	
40	1	K0	
41	1	F5	
42	6	G5	
43	2	A2	
44	7	K2	
45	8	G0	
46	3	G0	
47	1	A0	
48	3	F2	
49	3	K2	
50	6	A0	
51	2	A0	
52	7	F8	
53	2	F5	
54	4	A0	



28	-36°	6027	9	50.5	-36	34.2	8.4 ✓
29	-36°	6035	9	51.5	-36	54.7	8.5 ✓
30	-36°	5915	9	39.7	-36	58.9	8.5 ✓
31	-37°	6041	9	40.3	-37	9.9	9.7 ✓
32	-37°	6043	9	40.4	-37	14.3	7.6 ✓
33	-36°	5926	9	40.7	-36	37.7	8.7 ✓
34	-37°	6072	9	42.3	-37	8.9	7.7 ✓
35	-37°	6085	9	43.2	-37	3.3	7.1 ✓
36	-37°	6089	9	43.5	-37	16.0	8.5 ✓
37	-36°	5950	9	43.6	-36	43.7	8.5 ✓
38	-36°	5955	9	44.3	-36	36.2	6.4 ✓
39	-37°	6104	9	44.8	-37	4.3	8.9 ✓
40	-37°	6117	9	46.0	-37	27.9	8.5 ✓
41	-37°	6119	9	46.2	-37	23.9	9.0 ✓
42	-37°	6123	9	46.4	-37	36.1	7.6 ✓
43	-37°	6120	9	46.2	-37	56.8	9.0 ✓
44	-37°	6073	9	42.4	-37	36.4	7.2 ✓
45	-37°	6083	9	42.8	-37	47.8	7.3 ✓
46	-37°	6090	9	43.6	-37	44.8	8.5 ✓
47	-37°	6095	9	44.0	-37	40.1	9.0 ✓
48	-37°	6099	9	44.2	-37	45.3	8.0 ✓
49	-38°	5952	9	44.8	-38	22.1	8.5 ✓
50	-38°	5961	9	45.7	-38	15.4	7.7 ✓
51	-38°	5971	9	46.0	-38	13.9	8.8 ✓
52	-37°	6142	9	48.2	-37	49.3	7.5 ✓
53	-37°	6145	9	48.6	-37	28.4	9.0 ✓
54	-37°	6146	9	48.7	-37	42.3	8.0 ✓

cards made out

Monday October 6, 1913

B13116

No.	Int.	Class	Remark
55	1	Ko	
56	3	B3	
57	2	K5	
58	8	Ko	
59	4	A3	
60	6	A2	
61	8	Ao	
62	4	G5	
63	5	Ao B9	
64	8	Fo	
65	10	A5	
66	2	Ko	
67	7	G0	
68	10+	F	
69	5	Ao	
70	2	G5	
71	7	A5	
72	7	Ko	
73	5	B9	
74	3	Ao	
75	7	A2	
76	3	Ao	
77	9	G0	
78	6	A5	
79	4	Ko	
80	7	Ko	
81	10	Ko	



55	-37°	6134	9	47.6	-37	33.4	8.8	✓
56	-38°	6018	9	50.1	-38	10.3	8.4	✓
57	-37°	6171	9	51.0	-37	54.8	7.1	✓
58	-38°	6032	9	50.8	-38	57.7	7.3	✓
59	-39°	5926	9	48.2	-39	13.7	8.5	✓
60	-39°	5916	9	47.6	-39	24.3	8.0	✓
61	-39°	5873	9	44.9	-39	35.6	7.5	✓
62	-37°	5987	9	36.5	-37	55.1	8.1	✓
63	-38°	5870	9	39.9	-38	0.9	8.4	✓
64	-38°	5906	9	41.7	-38	44.5	7.3	✓
65	-38°	5850	9	39.2	-38	59.6	7.0	✓
66	-36°	6067	9	55.0	-36	8.7	8.0	✓
67	-35°	6067	9	54.8	-35	26.6	7.5	✓
68	-35°	6050	9	53.5	-35	17.8	5.6	✓
69	-34°	6332	9	54.8	-34	43.0	7.6	✓
70	-35°	6046	9	53.0	-35	27.1	8.5	✓
71	-33°	6603	9	56.6	-33	34.1	7.3	✓
72	-34°	6405	10	0.0	-34	16.5	7.0	✓
73	-34°	6425	10	1.1	-34	35.1	8.2	✓
74	-34°	6445	10	2.2	-34	38.5	8.7	✓
75	-34°	6456	10	2.9	-34	24.3	7.2	✓
76	-34°	6463	10	3.5	-34	18.6	8.5	✓
77	-35°	6194	10	4.1	-35	14.2	6.5	✓
78	-32°	<del>6854</del>	9	<del>48.5</del>	-32	<del>38.2</del>	7.8	✓
79	-32°	<del>6879</del>	9	<del>49.8</del>	-32	<del>46.6</del>	7.3	✓
80	-33°	6493	9	49.7	-33	5.8	7.2	✓
81	-32°	6895	9	51.2	-32	49.7	6.4	✓

cards made out

Monday October 6, 1913

B13116

No.	Sub.	Class	Remark
82	8	A2	
83	4	F0	
84	2	K0	
85	2	A0	
86	2	F5	
11.30 87	2	A0	
88			
89			
90			
91			
88	7	A0	



82 -32°	6909 9	51.8 -32	15.4	7.5 ✓
83 -33°	6554 9	53.3 -33	3.7	8.2 ✓
84 -32°	6942 9	53.7 -32	55.0	8.5 ✓
85 -33°	6539 9	52.4 -33	37.1	8.4 ✓
86 -33°	6507 9	50.5 -33	53.2	8.5 ✓
87 -33°	6467 9	48.0 -33	32.2	8.5 ✓

Identified by J. G. M. Nov. 1, 1913.

Checked by A.M.C. Nov. 18, 1913

Cards made out by S. R. B.

Cards checked by A.M.C.

✓ 88 -36 5886 9 36.8 -36 30 78 280 m B18x36

Monday October 6, 1913

11.50

B40276 short.

No.	Ints.	class	Remarks
1	2	Ko	
2	1	K5	
3	1	Ko	
4	1	a	
5	3	ao	
6	1	ao	
7	2	K5	
8	4	Bg	
9	2	F5	
10	2	mc	
11	1	F5	
12	1	K2	
13	1	ao	
14	4	ao	
15	3	F5	
16	1	K5	Partly superposed on 17
17	6	ao	
18	1	ao	
19	2	Ko	
20	1	K2	
21	1	a	Partly superposed on 23
22	4	Ko	
23	8	Bg	
24	5	F2	
25	2	ao	
26	1	K5	
27	1	F2	



1	-38°	6012	9	49.4	-38	26.1	8.6	1✓
2	-38°	6019	9	50.1	-38	20.1	8.9	1✓
3	-38°	6030	9	50.7	-38	19.1	9.2	1✓
4	-38°	6049	9	52.0	-38	22.1	9.7	1✓
5	-38°	6052	9	52.1	-38	26.7	9.3	1✓
6	-38°	6053	9	52.1	-38	41.8	9.6	1✓
7	-38°	6058	9	52.7	-38	59.0	8.5	1✓
8	-39°	6006	9	53.2	-39	34.6	9.1	1✓
9	-39°	5998	9	52.8	-39	59.4	9.1	1✓
10	-40°	5653	9	53.1	-40	9.6	9.0	1✓
11	-39°	6012	9	53.5	-39	49.6	8.9	1✓
12	-39°	6009	9	53.2	-39	43.9	9.0	1✓
13	-39°	6003	9	53.0	-39	49.3	9.3	1✓
14	-39°	6038	9	55.2	-39	59.3	8.5	1✓
15	-40°	5688	9	55.2	-40	18.9	8.7	1✓
16	-40°	5695	9	55.8	-40	18.4	8.5	1✓
17	-40°	5697	9	55.9	-40	15.4	8.4	1✓
18	-40°	5707	9	56.4	-40	0.3	9.5	1✓
19	-39°	6076	9	57.6	-39	59.6	8.7	1✓
20	-39°	6040	9	55.6	-39	13.1	9.2	1✓
21	-38°	6103	9	55.9	-38	57.5	9.7	1✓
22	-38°	6104	9	55.9	-38	46.5	8.2	1✓
23	-38°	6105	9	56.0	-38	50.8	7.1	1✓
24	-38°	6110	9	56.6	-38	19.4	8.2	1✓
25	-38°	6111	9	56.7	-38	4.9	8.5	1✓
26	-38°	6117	9	57.1	-38	33.4	8.9	1✓
27	-38°	6124	9	57.6	-38	48.5	9.5	1✓

cards made out

Two stars on plate 5  
in C.P.D. Only one is C.D.  
(C.D. - 38° 6124) This is probably  
C.P.D. - 38° 3836 mag. 9.2 and  
C.P.D. - 38° 3837 mag. 9.9 is  
submerged

Monday Oct. 6, 1913

B40276 short

No.	Int.	class	Remark
28	6	Ko	
29	6	K5	
30	1	Ko	
31	1	Ko	
32	5	A2	
33	2	F2	
34	8	Ko	
35	2	K2	
36	2	K5	
37	7	A2	
38	5	A2	
39	5	A3	
40	6	A2	
41	1	G	
42	8	B9	
43	2	A2	
44	3	B9	
45	7	A0	
46	2	G0	
47	2	G5	
48	4	Ko	
49	6	B8	
50	4	B9	
51	1	a	
52	2	K5	
53	2	Ko	
54	2	G0	

12.00

Tuesday  
Oct. 7, 1913

10.05



28	-38°	6129	9	57.8	-38	50.5	7.5	1✓
29	-38°	6135	9	58.5	-38	40.5	7.5	1✓
30	-38°	6145	9	59.1	-38	39.1	9.3	1✓
31	-38°	6148	9	59.3	-38	42.5	8.7	1✓
32	-38°	6142	9	58.9	-38	56.1	8.5	1✓
33	-39°	6105	9	59.5	-39	7.6	9.0	1✓
34	-39°	6100	9	59.1	-39	22.4	6.9	1✓
35	-38°	6153	9	59.6	-38	31.0	8.5	1✓
36	-38°	6194	10	1.7	-38	7.3	8.2	1✓
37	-37°	6310	10	2.6	-37	44.6	8.1	1✓
38	-37°	6312	10	2.8	-37	54.0	8.7	1✓
39	-37°	6308	10	2.3	-37	17.9	8.5	1✓
40	-37°	6313	10	2.9	-37	19.4	8.5	1✓
41	-37°	6314	10	2.9	-37	32.3	9.1	1✓
42	-37°	6322	10	3.5	-37	34.0	9.0	1✓
43	-37°	6332	10	4.1	-37	20.8	9.0	1✓
44	-36°	6178	10	4.2	-36	54.8	8.9	1✓
45	-37°	6338	10	4.4	-37	7.4	var	1✓
46	-37°	6344	10	4.9	-37	35.6	9.0	1✓
47	-37°	6353	10	5.8	-37	15.8	8.8	1✓
48	-36°	6199	10	6.1	-36	56.8	8.3	1✓
49	-36°	6202	10	6.8	-36	42.0	8.4	1✓
50	-36°	6209	10	7.6	-36	53.3	8.7	1✓
51	-37°	6358	10	6.6	-37	31.6	9.6	1✓
52	-37°	6364	10	6.8	-37	44.3	8.1	1✓
53	-37°	6363	10	6.8	-37	33.3	8.6	1✓
54	-37°	6380 <sup>79</sup>	10	7.9	-37	44.6	9.1	1✓

cards made out

Tuesday, October 7, 1913

B 40276 short.

No.	Dis.	Class	Remark
55	1	A0	
56	4	G5	
57	4	G5	Partly superposed on 58
58	4	A2	
59	8	F0	
60	5	A2	
61	6	A2	
62	4	A5	
63	4	K0	
64	3	F0	
65	7	K0	
66	4	F0	
67	3	F2	
68	4	K5	
69	8	K0	
70	2	K5	
71	5	F0	
72	3	A0	
73	2	A0	
74	2	A0	Partly superposed on 75
75	8	K0	
76	8	K0	
77	3	K2	
78	5	K0	
79	3	G5	
80	2	B9	
81	2	A0	



55	-37°	6391	10	8.7	-37	49.4	9.0	1✓
56	-37°	6396	10	9.0	-37	43.3	8.7	1✓
57	-37°	6385	10	8.4	-37	25.3	8.0	1✓
58	-37°	6386	10	8.5	-37	22.3	9.0	1✓
59	-38°	6249	10	5.4	-38	18.6	6.9	1✓
60	-38°	6259	10	6.1	-38	28.3	8.0	1✓
61	-38°	6260	10	6.2	-38	47.1	8.3	1✓
62	-38°	6227	10	3.5	-38	55.8	8.3	1✓
63	-39°	6170	10	4.0	-39	13.5	7.9	1✓
64	-39°	6181	10	5.2	-39	22.3	8.9	1✓
65	-39°	6198	10	6.6	-39	22.1	7.5	1✓
66	-39°	6213	10	8.1	-39	0.6	8.5	1✓
67	-38°	6296	10	8.6	-38	43.4	8.8	1✓
68	-38°	6303	10	8.9	-38	44.1	7.6	1✓
69	-38°	6302	10	8.8	-38	28.7	6.9	1✓
70	-38°	6305	10	8.9	-38	15.2	8.3	1✓
71	-38°	6326	10	10.3	-38	40.4	8.0	1✓
72	-38°	6353	10	11.9	-38	43.8	9.1	1✓
73	-39°	6226	10	8.6	-39	15.9	9.6	1✓
73	-39°	6223	10	8.6	-39	11.2	9.1	1✓
74	-39°	6221	10	8.4	-39	42.1	9.7	1✓
74	-39°	6219	10	8.1	-39	39.6	9.7	1✓
75	-39°	6222	10	8.5	-39	43.6	6.4	1✓
76	-39°	6225	10	8.6	-39	41.9	6.8	1✓
77	-39°	6199	10	6.7	-39	55.5	8.5	1✓
78	-40°	5853	10	6.6	-40	15.5	7.5	1✓
79	-40°	5864	10	7.6	-40	1.7	8.6	1✓
80	-40°	5875	10	8.4	-40	24.3	9.1	1✓
81	-40°	5836	10	5.2	-40	54.0	9.4	1✓

Cards made out

By checked by  
Connected now  
July 20 1915

Tuesday October 7, 1913

B 46276 shnt.

No.	Sex,	Class	Remarks
82	7	Ko	
83	3	As	
84	4	as	
85	5	as	
86	3	as	
87	3	K2	
88	4	K2	
89	10	As	
90	2	as	
91	3	As	
92	5	Fo	
93	4	As	
94	5	F8	
95	6	As	
96	3	K2	
97	3	K2	
98	10	B9	
99	2	K2	
100	4	B5	
101	1	K2	
10.15	102	3	K2
10.20	103	2	As
	104	3	F5
	105	6	K2
	106	7	As
	107	3	As
	108	2	Ko



82	-41°	5658	10	5.4	-41	6.4	6.7	1✓
83	-40°	5846	10	6.1	-40	57.0	9.5	1✓
84	-41°	5647	10	4.4	-41	29.1	8.3	1✓
85	-41°	5651	10	4.8	-41	52.1	8.2	1✓
86	-41°	5656	10	5.3	-41	58.6	9.7	1✓
87	-41°	5698	10	8.4	-41	36.6	8.7	1✓
88	-41°	5700	10	8.6	-41	22.0	8.5	1✓
89	-41°	5716	10	9.6	-41	6.7	6.9	1✓
90	-40°	5887	10	10.1	-40	43.7	9.2	1✓
91	-40°	5904	10	11.3	-40	53.4	8.7	1✓
92	-40°	5909	10	11.9	-40	53.4	8.4	1✓
93	-39°	6251	10	10.5	-39	48.5	8.5	1✓
94	-39°	6250	10	10.4	-39	43.1	8.5	1✓
95	-39°	6277	10	12.7	-39	36.1	8.3	1✓
96	-39°	6278	10	12.8	-39	56.2	8.0	1✓
97	-39°	6281	10	13.0	-39	51.5	8.4	1✓
98	-39°	6302	10	14.7	-39	4.2	7.1	1✓
99	-38°	6376	10	13.3	-38	40.7	8.5	1✓
100	-39°	6329	10	16.7	-39	19.3	8.5	1✓
101	-39°	6334	10	17.1	-39	11.9	9.1	1✓
102	-39°	6318	10	15.9	-39	50.3	8.1	1✓
103	-40°	5957	10	15.6	-40	15.3	9.5	1✓
104	-40°	5961	10	15.8	-40	28.2	9.0	1✓
105	-40°	5988	10	17.9	-40	4.1	7.8	1✓
106	-40°	6006	10	19.2	-40	30.2	8.3	1✓
107	-40°	6019	10	20.4	-40	22.7	9.1	1✓
108	-39°	6364	10	19.5	-39	36.7	8.3	1✓

cards made out

Tuesday October 7, 1913

B 40276 short.

No.	Int.	class	Remark
109	3	Ko	
110	7	Ko	
111	6	Fo	
112	8	Go	
113	1	Ko	
114	2	Fo	
115	4	Fo	
116	8	Ko	
117	6	Gs-	
118	4	Fo	
119	8	Ko	
120	2	Ks	
121	6	G2	
122	1	Ks	
123	1	Ko	
124	2	K2	
125	3	F2	
126	6	Go	
127	3	G3	
128	3	K2	
129	5	Fo	
130	1	Ks	
131	3	K2	
132	2	G2	
133	2	Ko	
134	10+	F	
155	3	G2	



109	-38°	6444	10	19.1	-38	53.4	8.3	1✓
110	-38°	6472	10	21.0	-38	43.7	6.9	1✓
111	-37°	6523	10	18.9	-37	57.0	7.5	1✓
112	-37°	6528	10	19.4	-37	40.0	7.3	1✓
113	-38°	6456	10	19.9	-38	2.5	9.4	1✓
114	-38°	6458	10	20.0	-38	2.5	8.7	1✓
115	-36°	6229	10	9.2	-36	1.3	8.3	1✓
116	-35°	6260	10	9.9	-35	53.6	6.6	1✓
117	-36°	6254	10	10.9	-36	17.2	7.5	1✓
118	-35°	6285	10	11.5	-35	57.5	8.5	1✓
119	-36°	6281	10	13.2	-36	10.1	6.9	1✓
120	-35°	6312	10	13.5	-35	47.8	8.3	1✓
121	-37°	6455	10	13.8	-37	0.9	7.8	1✓
122	-37°	6431	10	12.1	-37	13.9	8.6	1✓
123	-37°	6435	10	12.3	-37	29.2	9.0	1✓
124	-37°	6442	10	12.9	-37	44.0	7.5	1✓
125	-36°	6312	10	15.9	-36	43.4	8.0	1✓
126	-36°	6310	10	15.8	-36	30.6	8.4	1✓
127	-36°	6311	10	15.8	-36	2.6	8.5	1✓
128	-35°	6332	10	14.8	-35	33.6	8.0	1✓
129	-35°	6353	10	16.5	-35	35.1	7.7	1✓
130	-35°	6371	10	17.3	-35	48.3	8.5	1✓
131	-35°	6378	10	17.9	-35	44.6	8.3	1✓
132	-35°	6381	10	18.0	-35	59.0	8.7	1✓
133	-37°	6500	10	17.2	-37	6.0	9.4	1✓
133	-37°	6499	10	17.2	-37	6.5	9.3	1✓
134	-37°	6509	10	18.0	-37	23.5	5.7	1✓
135	-37°	6186	9	52.6	-37	34.4	9.0	1✓

cards made with

Tuesday October 7, 1913

B40276 short.

No.	Int.	class	Remark
136	5	F8	
137	2	A0	
138	5	B9	
139	2	F0	
140	3	F5	
141	6	A2	
142	9	K0	
143	3	F5	
144	5	K0	
145	2	K2	
146	2	K5	
147	5	A0	
148	4	G5	
149	8	K0	
150	1	K0	
151	1	G0	
152	5	G0	
153	3	A2	
154	7	A2	
155	3	K2	
156	2	K5	
157	3	K0	
158	2	F6	0, 8, 10
159	2	K2	
160	3	K0	
161	2	F5	
162	5	A5	



136	-37°	6228	9	56.1	-37	30.4	8.0	1✓
137	-37°	6229	9	56.2	-37	5.7	8.8	1✓
138	-36°	6105	9	58.1	-36	44.7	8.5	1✓
139	-35°	6109	9	58.3	-35	44.0	8.7	1✓
140	-35°	6115	9	58.7	-35	58.9	8.7	1✓
141	-36°	6129	9	59.7	-36	4.2	7.8	1✓
142	-35°	6130	9	59.8	-35	46.7	6.6	1✓
143	-36°	6132	10	0.2	-36	0.9	9.0	1✓
144	-35°	6144	8 10	0.8	-35	46.8	8.0	1✓
145	-36°	6147	10	1.7	-36	6.2	8.3	1✓
146	-36°	6149	10	1.9	-36	4.2	8.1	1✓
147	-36°	6159	10	2.8	-36	27.1	8.3	1✓
148	-36°	6151	10	2.1	-36	53.6	8.7	1✓
149	-36°	6156	10	2.6	-36	43.6	6.6	1✓
150	-36°	6162	10	3.0	-36	57.1	9.0	1✓
151	-36°	6167	10	3.5	-36	40.5	9.1	1✓
152	-36°	6180	10	4.4	-36	9.7	7.7	1✓
153	-35°	6190	10	4.0	-35	47.1	8.9	1✓
154	-35°	6211	10	5.2	-35	58.9	8.2	1✓
155	-36°	6197	10	6.1	-36	11.2	8.2	1✓
156	-35°	6231	10	7.2	-35	37.0	8.2	1✓
157	-35°	6236	10	7.6	-35	27.3	8.2	1✓
158	-34°	6528	10	6.4	-34	42.8	7.1	1✓
159	-34°	6530	10	6.6	-34	36.2	8.7	1✓
160	-34°	6532	10	6.9	-34	26.8	8.5	1✓
161	-34°	6535	10	7.2	-34	36.7	9.0	1✓
162	-34°	6556	10	8.9	-34	37.7	8.1	1✓

cards made out

Tuesday October 7, 1913

B40276 short

no.	Qu.	class	Remark
163	3	Fo	
164	3	K2	
165	6	B5	
166	10	G0	
167	4	Fo	
168	3	Fo	
169	2	A0	
170	4	F5	
171	5	Fo	
172	1	K5	Partly superposed on 171
173	2	A3	
174	5	K0	
175	5	A0	
176	6	A5	
177	3	G0	
178	2	Pec	5007 bright H $\gamma$ , H $\delta$ , H $\epsilon$ dark
179	1	Fo	
180	2	A2	
181	5	Fo	
182	3	F2	
183	1	K0	
184	4	B9	
185	2	K0	
186	2	K5	
187	7	F2	
188	3	Fo	
189	3	F8	



163	-34°	6563	10	9.4	-34	18.7	8.5	1✓
164	-34°	6574	10	10.1	-34	52.8	7.3	1✓
165	-35°	6304	10	13.1	-35	8.5	7.5	1✓
166	-35°	6194	10	4.1	-35	14.2	6.5	1✓
167	-34°	6517	10	5.9	-34	11.3	8.3	1✓
168	-38°	6190	10	1.4	-38	30.4	8.8	1✓
169	-38°	6213	10	2.9	-38	37.5	9.3	1✓
170	-39°	6121	10	0.7	-39	27.9	8.3	1✓
171	-40°	5738	9	58.8	-40	22.3	8.7	1✓
172	-40°	5740	9	58.9	-40	21.3	8.5	1✓
173	-40°	5750	9	59.4	-40	16.8	9.5	1✓
174	-40°	5775	10	0.8	-40	15.3	8.0	1✓
175	-40°	5790	10	1.6	-40	16.8	8.5	1✓
176	-40°	5792	10	1.8	-40	5.3	8.3	1✓
177	-39°	6153	10	2.5	-39	59.9	8.9	1✓
178	-39°	6137	10	1.8	-39	50.1	9.0	1✓
179	-39°	6155	10	2.6	-39	44.8	9.3	1✓
180	-39°	6168	10	3.7	-39	31.1	9.4	1✓
181	-39°	6174	10	4.2	-39	51.6	8.0	1✓
182	-40°	5819	10	3.7	-40	23.3	8.9	1✓
183	-40°	5829	10	4.7	-40	18.3	9.1	1✓
184	-41°	5624	10	2.6	-41	7.1	8.7	1✓
185	-41°	5634	10	3.3	-41	18.1	9.0	1✓
186	-41°	5642	10	3.7	-41	10.1	8.8	1✓
187	-41°	5598	10	0.9	-41	55.1	7.7	1✓
188	-41°	5614	10	1.9	-41	41.9	8.5	1✓
189	-41°	5615	10	2.0	-41	44.6	8.5	1✓

cards made out

Tuesday October 7, 1913

B40276 short.

No.	Sub.	Class	Remark
190	3	F5	
191	4	F0	
192	3	K5	
193	2	K2	
194	4	F5	
195	3	A3	
196	7	K0	
197	4	A5	
198	4	A3	
199	7	K2	
10.35	200	A2	
201	2	A	0, 6, 10



190	-41°	5620	10	2.4	-41	50.1	8.5	1 ✓
191	-42°	5954	10	2.9	-42	17.1	8.8	1 ✓
192	-42°	5943	10	2.3	-42	20.9	7.9	1 ✓
193	-42°	5939	10	2.1	-42	34.3	8.1	1 ✓
194	-42°	5942	10	2.3	-42	30.9	8.1	1 ✓
195	-42°	5980	10	4.2	-42	21.7	9.1	1 ✓
196	-40°	5665	9	53.6	-40	45.6	7.5	1 ✓
197	-41°	5540	9	56.7	-41	8.8	8.7	1 ✓
198	-41°	5542	9	56.8	-41	21.7	8.5	1 ✓
199	-41°	5538	9	56.7	-41	52.6	7.5	1 ✓
200	-42°	5833	9	55.4	-42	16.8	8.0	1 ✓

Identified by J. C. M. Nov. 1, 1913.

Checked Oct. Nov. 7, 1913. J.D.W.

Cards made out by S.R.B.

Cards checked by A.M.L.

201	-40°	5616	9	50.3	-41	0	7.3	✓
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Saturday October 11, 1913

10.55

B8903 long

No.	Int.	Class	Remark
1	6	B	E
2	4	A2	.
3	5	B9	.
4	4	B8	
5	8	A2	
6	2	A0	
7	3	B8	
8	3	K0	
9	6	B8	
10	7	F0	
11	2	A0	
12	1	K0	
13	2	G5	
14	8	B3	
15	4	A0	E
16	3	G5	
17	1	F0	
18	6	F5	
19	1	A0	
20	1	B9	
21	3	G0	
22	7	A0	
23	2	K0	
24	1	K0	
25	1	A0	
26	3	B8	
27	4	G5	



1	-16°	1802	7	3.0	-16	0.2	6.0	✓
2	-15°	1676	7	3.3	-15	59.9	7.0	✓
3	-17°	1828	7	5.0	-17	5.7	7.0	✓
4	-15°	1732	7	9.4	-15	58.7	6.8	✓
5	-15°	1734	7	9.7	-15	19.8	6.0	✓
6	-16°	1860	7	9.8	-16	27.6	8.0	✓
7	-17°	1884	7	9.8	-17	2.4	8.0	✓
8	-16°	1892	7	12.6	-16	56.8	7.1	✓
9	-17°	1917	7	12.8	-17	15.2	6.9	✓
10	-16°	1898	7	12.9	-16	7.9	5.9	✓
11	-15°	1766	7	13.0	-15	37.2	8.0	✓
12	-16°	1923	7	15.8	-16	2.2	7.2	✓
13	-16°	1928	7	16.3	-16	26.9	7.8	✓
14	-15°	1810	7	18.1	-15	55.0	5.8	✓
15	-14°	1887	7	18.5	-14	36.0	7.5	✓
16	-15°	1820	7	19.5	-15	22.6	7.2	✓
17	-15°	1825	7	20.2	-15	36.5	8.3	✓
18	-14°	1925	7	22.8	-14	41.7	6.7	✓
19	-15°	1865	7	23.7	-15	33.1	8.4	✓
20	-16°	1973	7	22.8	-16	41.0	8.7	✓
21	-17°	1996	7	22.8	-17	2.7	7.5	✓
22	-18°	1846	7	21.2	-18	12.2	7.6	✓ -18° 1847 out of phase 8.5
23	-18°	1858	7	22.7	-18	35.1	7.2	✓ -18° 1859 " 9.2
24	-16°	1978	7	23.7	-16	46.0	7.8	✓
25	-17°	2006	7	24.0	-17	1.1	8.6	✓
26	-16°	1995	7	25.1	-16	53.5	7.9	✓
27	-15°	1904	7	27.7	-15	52.7	7.0	✓

Cords made out

Saturday October 11, 1913

B8903 long

No.	Sub.	class	Remark
28	3	B5	
29	2	A5	
30	7	B3	
31	4	A2	
32	4	K0	
33	8	B3	
34	3	A3	
35	5	K0	
36	5	B9	
37	3	A0	
38	x2	K0	
39	5	K0	E.
40	6	F0	
41	2	B9	Another star superposed at north?
42	3	A2	
43	3	B9	
44	4	A2	
45	2	B9	
46	3	A3	
47	3	F5	
48	3	B9	
11.00 49	2	K2	E
50			



28	-17°	2048	7.	28.7	-17	14.3	7.7	✓
29	-18°	1925	7	29.5	-18	31.5	8.0	✓
30	-19°	1950	7	27.9	-19	49.2	7.3	✓
31	-20°	2037	7	28.3	-20	59.6	7.7	✓
32	-21°	2039	7	30.7	-21	4.3	7.0	✓
33	-19°	1967	7	30.3	-19	22.6	5.8	✓
34	-19°	1993	7	32.6	-19	56.6	7.7	✓
35	-19°	2003	7	33.8	-19	20.2	6.4	✓
36	-18°	1946	7	32.7	-18	20.9	7.3	✓
37	-17°	2081	7	33.2	-17	32.1	7.6	✓
38	-16°	2069	7	32.9	-16	30.8	6.3	✓
39	-14°	2082	7	33.8	-14	55.7	5.4	✓
40	-18°	1711	7	3.8	-18	27.2	6.8	✓
41	-18°	1705	7	3.2	-18	52.9	7.5	✓
42	-18°	1714	7	3.8	-18	57.9	7.4	✓
43	-19°	1720	7	3.7	-19	21.2	7.7	✓
44	-20°	1758	7	4.2	-20	2.4	7.8	✓
45	-19°	1742	7	5.6	-19	39.5	8.2	✓
46	-19°	1745	7	5.8	-19	23.0	8.0	✓
47	-18°	1740	7	7.8	-18	44.2	8.0	✓
48	-18°	1743	7	7.9	-18	11.3	8.2	✓
49	-20°	1740	7	2.1	-20	37.9	7.0	✓

Identified by J. L. M. October 28, 1913  
 Checked by AMC

Cards checked & made out by S. R. B.  
 Cards checked by AMC.

Saturday October 11, 1913

11.20

B15402 short.

No. Seq. class Remarks

1 1 Ko

2 3 Ko

3 4 Bg

4 6 A2

5 5 F5

6 2 A0

7 2 A2

8 4 A0

9 3 A0

10 2 F5

11 3 A0

12 1 F5

13 7 A. Partly superposed on 14

14 6 A5

15 4 Ko

16 4 A0

17 2 A0

18 3 B8

19 4 A2

20 2 Bg

21 2 K2

22 1 Ko

23 2 Bg

24 4 A0

25 3 Bg

26 3 A0

27 2 B5

Trail of



of bi. star

1 -15°	1620	6	56.7	-15	3.1	9.1	✓	
2 -15°	1626	6	57.2	-15	4.8	8.9	✓	-15° 1627 superimposed 10.0
3 -15°	1625	6	57.2	-15	25.4	4.3	✓	
4 -15°	1637	6	58.6	-15	39.3	8.7	✓	
5 -16°	1743	6	58.3	-16	4.3	8.0	✓	
6 -16°	1735	6	57.3	-16	21.5	9.5	✓	
7 -16°	1732	6	57.0	-16	33.4	9.2	✓	
8 -16°	1736	6	57.5	-16	41.3	9.0	✓	
9 -16°	1744	6	58.4	-16	49.8	9.0	✓	
10 -16°	1748	6	58.7	-16	36.4	9.1	✓	
11 -16°	1745	6	58.5	-16	20.8	9.1	✓	
12 -16°	1746	6	58.6	-16	18.2	9.2	✓	
13 -16°	1749	6	58.8	-16	18.2	8.8	✓	
14 -16°	1750	6	58.8	-16	25.2	9.0	✓	
15 -16°	1753	6	59.1	-16	28.6	8.5	✓	
16 -16°	1756	6	59.4	-16	22.9	8.8	✓	
17 -16°	1756	6	59.4	-16	9.7	9.1	✓	
18 -16°	1761	6	59.5	-16	17.1	9.0	✓	
19 -15°	1640	6	59.0	-15	20.2	9.0	✓	
20 -15°	1642	6	59.2	-15	25.2	9.1	✓	
21 -15°	1636	6	58.4	-15	10.7	8.8	✓	
22 -14°	1711	6	59.3	-14	47.3	9.0	✓	
23 -14°	1714	6	59.7	-14	45.6	9.2	✓	
24 -14°	1716	6	59.9	-14	59.4	9.0	✓	
25 -14°	1717	7	0.3	-14	28.6	8.9	✓	
26 -15°	1651	7	0.5	-15	9.7	9.1	✓	
27 -15°	1654	7	1.0	-15	2.5	8.7	✓	

Cards made out

Saturday October 11, 1913

B15402 shnd

No.	Int.	class	Remark
28	3	A <sub>0</sub>	
29	2	A <sub>0</sub>	
30	3	B <sub>5</sub>	
31	3	A <sub>0</sub>	
32	2	G <sub>5</sub>	
33	3	A <sub>2</sub>	
34	3	A <sub>0</sub>	
35	2	A <sub>2</sub>	
36	6	A <sub>2</sub>	
37	3	G <sub>5</sub>	
38	5	B <sub>3</sub>	
39	2	K <sub>0</sub>	
40	1	K <sub>0</sub>	
41	3	B <sub>9</sub>	
42	8	B <sub>2</sub>	
43	1	F <sub>8</sub>	
44	3	F <sub>0</sub>	
45	1	A <sub>0</sub>	
46	3	B <sub>9</sub>	
47	2	A <sub>0</sub>	
48	5	A <sub>2</sub>	
49	2	B <sub>9</sub>	
50	1	K <sub>2</sub>	
51	2	A <sub>0</sub>	
52	4	B <sub>9</sub>	
53	2	G <sub>5</sub>	
54	1	A <sub>0</sub>	



28	-15°	1659	7	1.5	-15	39.0	9.0	✓
29	-15°	1663	7	2.0	-15	52.8	9.0	✓
30	-15°	1664	7	2.2	-15	42.5	8.3	✓
31	-15°	1666	7	2.6	-15	55.6	9.0	✓
32	-15°	1669	7	2.8	-15	27.7	9.1	✓
33	-15°	1682	7	3.7	-15	22.7	9.1	✓
34	-14°	1732	7	2.4	-14	43.8	8.6	✓
35	-14°	1738	7	3.0	-14	33.4	8.9	✓
36	-14°	1744	7	3.7	-14	31.8	8.3	✓
37	-14°	1760	7	5.0	-14	46.7	8.3	✓
38	-14°	1763	7	5.5	-14	33.8	8.9	✓
39	-15°	1690	7	5.3	-15	8.1	8.2	✓
40	-14°	1752	7	4.3	-14	59.3	9.1	✓
41	-15°	1694	7	5.7	-15	27.0	8.9	✓
42	-15°	1695	7	6.2	-15	15.4	8.2	✓
43	-14°	1777	7	6.8	-14	56.5	9.1	✓
44	-15°	1703	7	6.7	-15	3.0	9.1	✓
45	-15°	1701	7	6.6	-15	6.3	9.6	✓
46	-15°	1704	7	6.9	-15	15.5	9.1	✓
47	-15°	1707	7	7.0	-15	15.7	9.2	✓
48	-15°	1709	7	7.4	-15	22.2	8.7	✓
49	-15°	1698	7	6.2	-15	58.2	9.0	✓
50	-15°	1699	7	6.3	-15	54.3	8.7	✓
51	-16°	1830	7	6.4	-16	8.8	9.2	✓
52	-16°	1832	7	6.6	-16	24.4	8.5	✓
53	-16°	1837	7	7.2	-16	5.4	8.2	✓
54	-16°	1839	7	7.7	-16	26.5	9.0	✓

cards made out

Saturday October 11, 1913

B15402 photo

No.	Int.	class	Remark
55	5	B9	
56	8	F8	
57	2	B9	
58	1	F5	
59	2	A0	
60	2	A2	
61	1	K2	
62	2	B8	
63	3	A5	
64	4	B9	
65	2	F2	
66	2	F2	
67	3	K2	
68	2	K0	
69	5	B9	
70	5	A0	
71	3	B9	
72	3	B2	
73	1	B5	
74	2	K0	
75	1	A0	
76	4	B8	
77	2	G0	
78	3	K0	
79	3	A0	
80	2	F8	
81	4	A2	



55	-15°	1718	7	8.0	-15	14.0	9.0	✓
56	-15°	1720	7	8.2	-15	13.7	7.5	✓
57	-14°	1793	7	9.0	-14	48.6	9.2	✓
58	-15°	1727	7	8.8	-15	44.3	9.4	✓
59	-16°	1858	7	9.6	-16	3.2	9.1	✓
60	-15°	1736	7	10.0	-15	43.0	9.2	✓
61	-16°	1870	7	10.5	-16	12.8	8.9	✓
62	-16°	1869	7	10.5	-16	20.9	9.4	✓
63	-16°	1863	7	10.2	-16	31.7	9.1	✓
64	-16°	1857	7	9.6	-16	29.5	8.8	✓
65	-16°	1881	7	11.8	-16	34.0	9.1	✓
66	-16°	1884	7	12.0	-16	34.1	9.2	✓
67	-16°	1886	7	12.1	-16	23.0	8.0	✓
68	-16°	1887	7	12.2	-16	1.2	8.6	✓
69	-15°	1758	7	12.5	-15	40.2	8.9	✓
70	-15°	1753	7	12.2	-15	12.1	8.9	✓
71	-15°	1746	7	11.5	-15	8.8	9.0	✓
72	-15°	1748	7	11.6	-15	22.0	8.7	✓
73	-14°	1816	7	11.1	-14	45.5	9.0	✓
74	-14°	1825	7	12.5	-14	18.9	8.6	✓
75	-15°	1761	7	12.5	-15	1.7	9.2	✓
76	-14°	1834	7	13.2	-14	59.6	8.5	✓
77	-15°	1768	7	13.2	-15	15.3	9.0	✓
78	-15°	1778	7	15.1	-15	11.8	9.0	✓
79	-15°	1780	7	15.1	-15	14.2	9.0	✓
80	-15°	1774	7	14.2	-15	52.2	9.1	✓
81	-16°	1914	7	14.7	-16	4.3	8.7	✓

cards made out

Saturday October 11, 1913

B15402 phot

No.	Int.	Class	Remark
82	7	A2	
83	1	K5	
84	2	A3	
85	6	B9	
86	2	F2	
87	1	K0	
88	2	A2	
89	1	F5	
90	4	F5	
91	<del>10</del> 2	F8	
92	3	F0	
93	4	B9	
94	2	A0	
95	2	A0	
96	5	B8	
97	2	A0	
98	1	K5	
99	4	B9	
100	2	A0	
101	1	F8	
102	1	A0	
103	6	B8	
104	2	G5	
105	3	A0	
106	1	A0	
107	2	A0	
108	2	F0	



82	-16°	1911	7	14.5	-16	32.0	8.5	✓
83	-16°	1921	7	15.3	-16	3.3	9.1	✓
84	-15°	1783	7	15.6	-15	25.8	9.1	✓
85	-15°	1786	7	15.8	-15	17.3	8.3	✓
86	-16°	1895	7	12.8	-16	32.0	8.8	✓
87	-16°	1904	7	13.7	-16	34.5	8.7	✓
88	-17°	1921	7	13.3	-17	16.5	9.1	✓
89	-17°	1924	7	14.1	-17	3.4	9.1	✓
90	-17°	1923	7	13.9	-17	35.8	8.5	✓
91	-17°	1916	7	12.8	-17	34.6	8.6	✓
92	-17°	1913	7	12.6	-17	46.6	8.8	✓
93	-17°	1914	7	12.7	-17	49.6	8.8	✓
94	-18°	1780	7	12.8	-18	3.4	9.0	✓
95	-18°	1783	7	13.1	-18	29.5	9.2	✓
96	-18°	1786	7	13.3	-18	25.1	8.7	✓
97	-18°	1795	7	14.4	-18	19.4	9.1	✓
98	-18°	1793	7	14.2	-18	3.1	8.6	✓
99	-18°	1777	7	12.3	-18	42.9	9.0	✓
100	-18°	1773	7	11.8	-18	30.7	9.3	✓
101	-17°	1756	6	57.7	-17	13.6	9.1	✓
102	-17°	1758	6	57.7	-17	9.4	9.3	✓
103	-17°	1760	6	58.1	-17	11.8	8.3	✓
104	-17°	1761	6	58.4	-17	33.6	8.5	✓
105	-17°	1766	6	58.7	-17	23.8	8.9	✓
106	-17°	1768	6	58.9	-17	15.3	9.5	✓
107	-17°	1774	6	59.2	-17	8.0	9.4	✓
108	-16°	1763	6	59.8	-16	59.7	9.1	✓

cards made with

Saturday October 11, 1913

B15402 photo

No.	Int.	class	Remark
109	1	A <sub>0</sub>	
110	1	A <sub>0</sub>	
111	2	K <sub>0</sub>	
112	1	A <sub>3</sub>	
113	1	A <sub>0</sub>	
114	2	A <sub>2</sub>	
115	3	K <sub>2</sub>	
116	2	F <sub>5</sub>	
117	6	F <sub>5</sub>	
118	2	A <sub>0</sub>	Partly superposed on 119
119	4	A <sub>5</sub>	
120	4	F <sub>8</sub>	
121	1	A <sub>0</sub>	
122	1	K <sub>2</sub>	
123	1	A <sub>0</sub>	
124	1	A <sub>0</sub>	
125	5	B <sub>9</sub>	
126	3	A <sub>0</sub>	
127	1	K <sub>5</sub>	
128	4	B <sub>9</sub>	
129	4	B <sub>9</sub>	
130	2	B <sub>9</sub>	
131	3	B <sub>9</sub>	
132	1	K <sub>2</sub>	
133	4	A <sub>0</sub>	
134	3	A <sub>0</sub>	
135	1	K <sub>0</sub>	



109	-17°	1782	7	0.6	-17	23.6	9.2	✓
110	-17°	1751	6	57.2	-17	49.9	9.5	✓
111	-18°	1664	6	58.1	-18	1.2	9.0	✓
112	-18°	1659	6	57.6	-18	28.9	9.5	✓
113	-18°	1661	6	57.9	-18	26.8	9.8	✓
114	-18°	1665	6	58.1	-18	22.0	9.4	✓
115	-18°	1675	6	59.3	-18	17.7	8.5	✓
116	-18°	1678	6	59.4	-18	44.1	8.9	✓
117	-18°	1683	7	0.0	-18	54.2	8.5	✓
118	-18°	<sup>79</sup> 1680	6	<sup>4</sup> 59.5	-18	<sup>29.8</sup> 30.4	<sup>1</sup> 9.0	✓
119	-18°	<sup>80</sup> 1679	6	<sup>5</sup> 59.4	-18	<sup>30.4</sup> 29.8	<sup>0</sup> 9.1	✓
120	-18°	1681	6	59.7	-18	29.4	9.0	✓
121	-18°	1684	7	0.2	-18	19.2	9.5	✓
122	-18°	1687	7	0.6	-18	43.0	9.0	✓
123	-18°	1686	7	0.6	-18	12.6	9.8	✓
124	-17°	1785	7	0.8	-17	47.9	9.2	✓
125	-17°	1796	7	2.1	-17	46.3	8.7	✓
126	-17°	1789	7	1.7	-17	20.0	9.0	✓
127	-17°	1792	7	2.0	-17	20.1	8.7	✓
128	-17°	1795	7	2.1	-17	26.3	9.0	✓
129	-17°	1798	7	2.2	-17	23.6	9.0	✓
130	-17°	1805	7	3.0	-17	53.6	9.8	✓
131	-17°	1811	7	3.5	-17	39.1	9.0	✓
132	-17°	1809	7	3.4	-17	27.7	9.0	✓
133	-16°	1801	7	3.0	-16	42.1	9.0	✓
134	-16°	1793	7	2.4	-16	17.3	8.9	✓
135	-16°	1788	7	1.8	-16	18.2	9.0	✓

*cards made out*

Saturday October 11, 1913

B 15402 photo

No.	Int.	Class	Remark
136	2	A <sub>0</sub>	
137	2	B <sub>9</sub>	
138	1	K <sub>2</sub>	
139	3	K <sub>0</sub>	
140	3	A <sub>0</sub>	
141	1	G	Nearly all superposed on 140.
142	2	F <sub>0</sub>	
143	2	A <sub>0</sub>	
144	2	K <sub>0</sub>	
145	2	A	Another star superposed?
146	3	K <sub>0</sub>	
147	1	A <sub>2</sub>	
148	1	A	Another star superposed at north?
149	2	A <sub>0</sub>	
150	2	F	
151	1	K <sub>0</sub>	
152	3	A <sub>0</sub>	
11.55	153	2	B Almost cont.
Monday	154	2	B <sub>9</sub>
Oct. 13, 1913	155	3	A <sub>3</sub>
11.05	156	6	A <sub>0</sub>
	157	4	A <sub>2</sub>
	158	3	A <sub>3</sub>
	159	3	B <sub>8</sub>
	160	5	K <sub>5</sub>
	161	2	A <sub>0</sub>
	162	2	K <sub>5</sub> maybe spec. Look up 0 mib. 2 stars on ch. plate



136	-16°	1784	7	1.5	-16	21.1	9.2	✓
137	-16°	1782	7	1.2	-16	29.0	9.0	✓
138	-16°	1777	7	0.7	-16	36.7	9.1	✓
139	-16°	1774	7	0.5	-16	37.9	8.9	✓
140	-16°	1769	7	0.4	-16	31.4	9.0	✓
141	-16°	1770	7	0.4	-16	35.3	9.1	✓
<del>142</del>	<del>-16°</del>	<del>1768</del>	<del>7</del>	<del>0.1</del>	<del>-16</del>	<del>39</del>	<del>9.4</del>	<del>✓</del>
143	-15°	1646	6	59.7	-15	38.7	9.3	✓
144	-16°	1763	6	59.8	-16	59.7	9.0	✓
145	-15°	1643	6	59.5	-15	50.3	9.0	Star superseded not a catalogued star.
146	-17	1821	7	4.1	-17	4.8	8.8	✓
147	-16°	1817	7	4.7	-16	53.4	9.4	✓
148	-16°	1823	7	5.5	-16	42.7	9.4	-16° 1822 superseded 9.6
149	-16°	1828	7	6.1	-16	28.8	9.1	✓
150	-15°	1684	7	4.9	-15	53.6	9.0	✓
151	-15°	1684	7	4.0	-15	54.3	8.8	✓
152	-15°	1677	7	3.4	-15	56.0	9.0	✓
153	-15°	1672	7	3.1	-15	51.6	9.1	✓
154	-17°	1849	7	6.6	-17	0.3	9.1	✓
155	-17°	1856	7	7.3	-17	16.8	8.8	✓
156	-17°	1855	7	7.1	-17	30.7	8.3	✓
157	-17°	1864	7	7.7	-17	43.4	9.0	✓
158	-18°	1735	7	7.6	-18	2.4	9.0	✓
159	-18°	1728	7	6.0	-18	22.5	9.4	✓
160	-18°	1726	7	5.8	-18	14.6	8.2	✓
161	-18°	1725	7	5.5	-18	29.1	9.8	✓
162	-17°	Which is cat. star?						

cards made out

Monday October 13, 1913

✓

R154521 phot

No.	Int.	class	Remark
163	3	A2	
164	7	G5	
165	4	F5	
166	2	K2	
11.07 167	2	A0	
11.20 168	2	A0	
169	1	K5	
170	1	A3	
171	1	K2	
172	1	A0	
173	1	B9	
174	1	A3	
175	2	B9	
176	1	A0	
177	1	A0	
178	2	F8	
179	1	K0	
180	1	A0	
181	1	B9	
182	1	K5	
183	1	K0	
184	3	B8	
185	4	B5	
186	3	K2	
187	2	B	Lines very indistinct
188	4	B9	
189	2	K2	



163	-17°	1829	7	5.1	-17	54.0	9.1	✓
164	-17°	1824	7	4.4	-17	48.6	8.0	✓
165	-17°	1815	7	3.7	-17	59.3	9.0	✓
166	-18°	1704	7	2.7	-18	8.4	9.1	✓
167	-18°	1703	7	2.5	-18	17.3	9.0	✓
168	-18°	1702	7	2.4	-18	28.4	10	✓
169	-18°	1696	7	2.0	-18	47.7	8.5	✓
170	-19°	1697	7	0.7	-19	47.3	9.7	✓
171	-19°	1714	7	3.2	-19	58.2	9.1	✓
172	-19°	1713	7	3.0	-19	20.5	9.4	✓
173	-20°	1776	7	6.1	-20	9.7	9.5	✓
174	-19°	1759	7	7.0	-19	33.2	9.4	✓
175	-20°	1789	7	7.5	-20	12.5	9.3	✓
176	-20°	1792	7	7.7	-20	16.9	9.0	✓
177	-20°	1817	7	9.7	-20	6.3	9.2	✓
178	-20°	1819	7	10.0	-20	9.0	9.2	✓
179	-19°	1793	7	10.7	-19	37.7	8.8	✓
180	-19°	1788	7	10.3	-19	26.9	9.0	✓
181	-18°	1754	7	9.5	-18	34.6	9.4	✓
182	-18°	1753	7	9.5	-18	34.9	8.9	✓
183	-18°	1750	7	9.3	-18	32.8	9.1	✓
184	-18°	1760	7	10.2	-18	12.5	9.2	✓
185	-18°	1767	7	11.1	-18	27.6	8.8	✓
186	-18°	1768	7	11.2	-18	32.4	8.1	✓
187	-18°	1769	7	11.4	-18	33.7	9.2	✓
188	-17°	1898	7	11.1	-17	56.8	8.9	✓
189	-18°	1766	7	10.9	-18	0.4	8.5	✓

Monday October 13, 1913

B 15402 phnd

No.	Int.	class	Remarks
190	1	A <sub>0</sub>	
191	3	B <sub>3</sub>	
192	2	B <sub>9</sub>	
193	1	A <sub>2</sub>	
194	2	A <sub>0</sub>	
195	5	A <sub>2</sub>	
196	2	B <sub>9</sub>	
197	1	A <sub>0</sub>	
198	1	K <sub>0</sub>	
199	1	A <sub>2</sub>	Another star superposed at north.
200	2	A <sub>0</sub>	
201	2	B <sub>9</sub>	
202	4	B <sub>9</sub>	
203	2	B <sub>8</sub>	
204	2	A <sub>0</sub>	
205	2	B <sub>9</sub>	
206	1	A <sub>0</sub>	
207	2	A <sub>0</sub>	
208	1	G <sub>0</sub>	
209	2	B <sub>8</sub>	
210	4	F <sub>8</sub>	
211	1	A <sub>0</sub>	
212	2	A <sub>3</sub>	
213	3	A <sub>0</sub>	
214	4	K <sub>2</sub>	
215	1	A <sub>0</sub>	
216	2	G <sub>0</sub>	

11.30



190	-16°	1883	7	11.9	-16	47.6	9.4	✓
191	-16°	1885	7	12.0	-16	56.0	9.0	✓
192	-17°	1901	7	11.4	-17	9.1	9.2	✓
193	-17°	1902	7	11.5	-17	22.3	9.2	✓
194	-16°	1876	7	11.0	-16	54.5	9.2	✓
195	-17°	1894	7	10.8	-17	6.1	8.5	✓
196	-17°	1891	7	10.5	-17	2.6	9.4	✓
197	-16°	1865	7	10.3	-16	43.2	9.8	✓
198	-16°	1856	7	9.3	-16	33.6	9.0	✓
199	-16°	1848	7	8.5	-16	35.2	9.7	-16° 1846 superseded 9.8
200	-16°	1845	7	8.4	-16	51.9	9.0	✓
201	-17°	1879	7	9.6	-17	30.3	9.1	✓
202	-17°	1878	7	9.5	-17	39.1	8.6	✓
203	-17°	1836	7	5.5	-17	9.0	9.2	✓
204	-17°	1835	7	5.4	-17	8.4	9.1	✓
205	-17°	1833	7	5.4	-17	25.7	9.3	✓
206	-17°	1840	7	5.7	-17	24.5	9.5	✓
207	-15°	1739	7	10.5	-15	18.0	9.7	✓
208	-14°	1805	7	10.0	-14	50.0	9.0	✓
209	-14°	1789	7	8.5	-14	35.2	9.5	✓
210	-14°	1768	7	5.9	-14	14.9	8.2	✓
211	-14°	1761	7	5.1	-14	7.5	9.0	✓
212	-14°	1749	7	4.2	-14	14.2	9.1	✓
213	-15°	1798	7	16.9	-15	26.4	8.9	✓
214	-15°	1799	7	17.3	-15	35.4	7.9	✓
215	-15°	1794	7	16.7	-15	45.9	9.3	✓
216	-14	1704	7				8.8	187 m B-4380

Identified by Jb. M. October 24, 1913 Cards made out by S.R.B.  
 Checked by AMC, Nov. 10, 1913 Cards checked by AMC.

Monday October 13, 1913

11.32

B1898<sup>3</sup> phot.

No.	Int.	Class	Remark
1	1	Ko	
2	9	As	
3	1	As	
4	1	B	Almost cond.
5	4	As	
6	2	As	
7	1	Ko	
8	2	As	
9	3	As	
10	9	F8	
11	5	B8	
12	6	Ko <del>Ko</del>	
13	2	B9	
14	5	As	
15	5	As	
16	5	As	
17	2	Fo	
18	2	As	
19	2	F5	
20	1	Ko	
21	1	As	
22	2	As	
23	4	B	Almost cond.
24	2	As	
25	3	B9	
26	2	As	
27	4	As	Another star superposed?



1	-14°	1880	7	17.5	-14	31.8	8.2	✓	
2	-14°	1887	7	18.5	-14	36.0	7.5	✓	
3	-14°	1888	7	18.8	-14	57.3	8.7	✓	
4	-14°	1894	7	19.6	-14	48.2	9.0	✓	
5	-14°	1897	7	19.8	-14	39.7	8.9	✓	-14° 1896 <i>mag. 9.2</i> <i>superfused</i>
6	-14°	1914	7	21.5	-14	32.7	9.0	✓	
7	-14°	1913	7	21.5	-14	42.8	9.0	✓	
8	-14°	1919	7	21.9	-14	39.6	9.1	✓	
9	-14°	1923	7	22.6	-14	44.7	8.7	✓	
10	-14°	1925	7	22.8	-14	41.7	6.7	✓	
11	-14°	1932	7	23.7	-14	42.1	8.2	✓	
12	-14°	1944	7	24.7	-14	40.0	7.1	✓	
13	-15°	1869	7	24.2	-15	8.0	9.0	✓	
14	-15°	1875	7	24.7	-15	0.4	8.1	✓	
15	-15°	1865	23	23.7	-15	33.1	8.4	✓	
16	-15°	1868	7	24.1	-15	41.5	8.2	✓	
17	-15°	1851	7	22.7	-15	51.1	8.7	✓	
18	-15°	1853	7	22.8	-15	46.0	8.7	✓	
19	-15°	1856	7	23.0	-15	58.7	8.4	✓	
20	-15°	1871	7	24.4	-15	49.0	9.0	✓	
21	-16°	1991	7	24.9	-16	0.2	8.5	✓	
22	-15°	1884	7	25.5	-15	46.3	8.5	✓	
23	-15°	1892	7	26.6	-15	8.5	8.0	✓	
24	-14°	1964	7	26.5	-14	52.2	9.1	✓	
25	-14°	1973	7	27.2	-14	58.7	8.7	✓	
26	-15°	1899	7	27.0	-15	25.3	9.0	✓	
27	-15°	1907	7	28.2	-15	19.9	9.1	✓	-15° 1908 <i>superfused</i> 9.1

Cards made out.

Monday October 13, 1913

B 18983 phot.

No.	Int.	class	Remark
28	4	Ko	
11.36 29	7	B9	
12.35 30	5	Fo	
31	1	Go	
32	2	Go	
33	2	F2	
34	10	B5	
35	9		
36	3	Go	
37	6	B9	
38	10	B8	
39	7	B9	
40	8	B8	
41	7	B9	
12.40 42	4	Go	
2.45 43	8	B9	
44	4	B5	
45			
46			
47			
48			
45 49	6	B2	
46 50	4	Ko	
47 51	6	Fop	Probably comp
48 52	4	B9	
49 53	7	F8	
50 54	7	B8	



28	-15°	1914	7	28.8	-15	3.9	7.2	✓
29	-13°	2051	7	23.2	-13	41.3	7.0	✓
30	-14°	1928	7	23.2	-14	3.6	7.7	✓
31	-14°	1924	7	22.7	-14	0.7	9.1	✓
32	-14°	1950	7	25.4	-14	21.5	8.5	✓
33	-14°	1952	7	25.6	-14	45.3	8.9	✓
34	-14°	1966	7	26.7	-14	1.8	6.8	✓
35	-14°	1971	7	27.1	-14	12.7	5.8	4
36	-14°	1987	7	29.0	-14	21.5	9.0	✓
37	-14°	1994	7	29.3	-14	23.3	8.5	✓
38	-14°	1999	7	29.4	-14	10.3	6.9	✓
39	-14°	2016	7	29.8	-14	16.6	7.8	✓
40	-14°	2021	7	29.9	-14	10.0 10.1	8.0 8.0	✓
41	-14°	2025	7	30.0	-14	7.5	8.0	✓
42	-14°	2029	7	30.1	-14	14.6	8.6	✓
43	-14°	2053	7	31.0	-14	6.9	7.5	✓
44	-15°	1941	7	30.9	-15	21.5	8.0	✓

Identified by J. E. M. October 28, 1913.

checked by Amc. Nov. 7, 1913

Cards made out by G. R. B.

Cards checked by Amc.

✓ 45	-15	1825					333 on B18288
✓ 46	-17	2023					172 on B18301
✓ 47	-18	1893					171 " "
✓ 48	-18	1867					173 " "
49	-17	1955	7	17.4	-17	8	7.5 22 on B18288
50							26 " "

Monday October 13, 1913

2.50

Cont. from Bk. 67, p. 190

B12673

short

No.	Int.	class	Remark
101	4	Bg	
102	2	K5	
103	4	Bg	
104	3	Ao	
105	3	Bg	
106	1	Bg	Partly superposed on 105
107	2	B2	
108	2	K2	
109	3	Ao	
110	3	Bg	
111	3	K2	
112	2	Ko	
113	2	Ao	
114	2	Ao	
115	3	Bg	
116	1	K5	
117	2	Ao	
118	2	Ao	
119	1	K2	
120	2	A3	
121	3	A2	
122	2	K5	
123	4	Ao	
124	2	Ao	
125	2	A2	
126	2	A5	
127	3	Ao	



101	-12°	2087	7	33.9	-12	58.7	8.5	1✓
102	-13°	2157	7	32.9	-13	33.4	8.5	1✓
103	-13°	2146	7	32.3	-13	22.2	8.2	1✓
104	-13°	2160	7	33.2	-13	53.9	8.9	1✓
105	-14°	2067	7	32.3	-14	2.1	9.0	1✓
106	-14°	2066	7	32.2	-14	0.4	9.0	1✓
107	-13°	2143	7	31.6	-13	31.6	8.3	1✓
108	-13°	2135	7	31.0	-13	6.4	7.9	1✓
109	-13°	2127	7	30.4	-13	33.2	9.0	1✓
110	-13°	2124	7	30.1	-13	41.0	9.0	1✓
111	-14°	2002	7	29.5	-14	5.0	8.6	1✓
112	-14°	2001	7	29.5	-14	22.8	8.5	1✓
113	-14°	2013	7	29.7	-14	25.4	9.0	1✓
114	-14°	2018	7	29.9	-14	20.8	9.0	1✓
115	-13°	2119	7	29.9	-13	55.6	9.0	1✓
116	-14°	2039	7	30.5	-14	0.3	8.6	1✓
117	-14°	2057	7	31.3	-14	25.8	9.2	1✓
118	-14°	2061	7	32.0	-14	39.9	9.0	1✓
119	-14°	2065	7	32.2	-14	45.4	8.5	1✓
120	-15°	1958	7	32.6	-15	13.7	8.8	1✓
121	-14°	2084	7	33.9	-14	18.6	8.5	1✓
122	-14°	2138	7	35.3	-14	4.1	8.6	1✓
123	-13°	2180	7	35.7	-13	30.1	8.0	1✓
124	-13°	2179	7	35.7	-13	36.2	9.1	1✓
125	-13°	2182	7	35.9	-13	57.4	8.8	1✓
126	-14°	2158	7	36.0	-14	0.5	8.6	1✓
127	-14°	2112	7	34.7	-14	29.0	8.5	1✓

cards made out

Monday October 13, 1913

P12673 short

No.	Int.	class	Remarks
128	4	B <sub>9</sub>	
129	2	G <sub>0</sub>	
130	3	A <sub>2</sub>	
131	1	A <sub>0</sub>	
132	3	F <sub>5</sub>	
133	1	A <sub>0</sub>	
134	3	A <sub>2</sub>	
135	5	F <sub>8</sub>	
136	2	A <sub>5</sub>	
137	2	K <sub>0</sub>	
138	3	A <sub>0</sub>	
139	1	A <sub>2</sub>	Partly superposed on 140
<del>141</del>			
<del>141</del>			
<del>142</del>			
143			

140 4 .125  
 141  
 142  
 143



128	-12°	2052	7	30.0	-12	31.6	8.4	1 ✓
129	-12°	2079	7	33.0	-12	11.1	8.3	1 ✓
130	-10°	2228	7	41.5	-10	38.6	8.5	1 ✓
131	-10°	2218	7	40.2	-10	31.8	8.8	1 ✓
132	-10°	2198	7	38.3	-10	28.5	8.2	1 ✓
133	-10°	2196	7	38.1	-10	25.3	8.7	1 ✓
134	-9°	2214	7	39.1	-9	49.3	8.3	1 ✓
135	-9°	2207	7	38.6	-9	48.7	7.6	1 ✓
136	-9°	2205	7	38.2	-9	56.6	8.3	1 ✓
137	-9°	2191	7	36.7	-9	47.9	7.5	1 ✓
138	-9°	2199	7	37.4	-9	13.1	8.0	1 ✓
139	-9°	2176	7	34.8	-9	9.0	9.0	1 ✓ <sup>9.0 2190 magn. 9.0</sup> ✓ 1 superposed
140	-9°	2175	7	34.7	-9	7.8	9.0	
141	-9°	2172	7	34.3	-9	13.3	4.0	Done on better
142	-9°	2169	7	33.8	-9	12.7	8.2	plate.
143	-9°	2165	7	33.7	-9	2.4	8.8	

Identified by J. C. M. Oct. 29, 1913

Checked Nov. 15, 1913 J. C. M.

Cards made out by G. R. B.

Cards checked by A. M. E.

140 -10 2137

156 m B20812







Time 11.37

Monday, November 3, 1913

B 21695 short

G. F. M. Rec.	No.	Int.	Class	Remark
✓ 1	4		A <sub>2</sub>	
✓ 2	2		A <sub>0</sub>	
✓ 3	1		A <sub>2</sub>	Partly superposed on 4
✓ 4	6		K <sub>0</sub>	
✓ 5	2		A <sub>2</sub>	
✓ 6	2		F <sub>8</sub>	
✓ 7	2		A <sub>3</sub>	
✓ 8	3		A <sub>0</sub>	
✓ 9	4		G <sub>5</sub>	
✓ 10	4		A <sub>0</sub>	
✓ 11	6		B <sub>8</sub>	
✓ 12	2		A <sub>0</sub>	
✓ 13	2		G <sub>0</sub>	
✓ 14	1		K <sub>0</sub>	
✓ 15	2		F <sub>5</sub>	
✓ 16	2		A <sub>0</sub>	
✓ 17	6		B <sub>9</sub>	
✓ 18	5		B <sub>5</sub>	
✓ 19	7		A <sub>0</sub>	
✓ 20	3		A <sub>0</sub>	
✓ 21	2		B <sub>9</sub>	Partly superposed on 22
✓ 22	3		F <sub>2</sub>	
✓ 23	2		A <sub>0</sub>	Another star superposed on following
✓ 24	4		A <sub>0</sub>	
✓ 25	3		K <sub>0</sub>	
✓ 26	7		B <sub>9</sub>	
✓ 27	3		G <sub>5</sub>	



1	-57°	4269	11	1.1	-57	17	8.6	✓
2	-57°	4324	11	2.8	-57	16	9.2	✓
3	-57°	4318	11	2.5	-57	37	9.3	✓
4	-57°	4320	11	2.6	-57	37	8.6	✓
5	-57°	4340	11	3.4	-57	25	9.3	✓
6	-57°	4352	11	4.2	-57	11	9.4	✓
7	-56°	4262	11	4.6	-56	56	9.3	✓
8	-57°	4375	11	5.0	-57	23	9.4	✓
9	-57°	4374	11	5.0	-57	28	9.0	✓
10	-57°	4360	11	4.5	-57	35	8.8	✓
11	-57°	4370	11	4.9	-57	50	8.6	✓
12	-57°	4389	11	5.7	-57	57	9.4	✓
13	-57°	4391	11	5.8	-57	51	9.4	✓
14	-57°	<del>4391</del> 4382	<del>11</del> 11	<del>6.0</del> 5.4	<del>-57</del> -57	<del>48</del> 44	<del>9.4</del> 9.0	
15	-57°	4407	11	6.7	-57	31	9.4	✓
16	-57°	4418	11	7.1	-57	22	9.4	✓
17	-57°	4414	11	7.0	-57	54	8.6	✓
18	-57°	4420	11	7.2	-57	58	8.6	✓
19	-57°	4439	11	8.0	-57	55	8.5	✓
20	-57°	4442	11	8.0	-57	49	9.0	✓
21	-57°	4451	11	8.4	-57	56	9.3	✓
22	-57°	4456	11	8.6	-57	57	9.1	✓
23	-57°	<del>4452</del> 4455	<del>11</del> 11	<del>8.5</del> 8.5	<del>-57</del> -57	<del>36</del> 37	<del>9.4</del> 9.4	✓ <sup>-57° WWS 9.4 superbreed</sup>
24	-57°	4463	11	8.8	-57	28	9.2	✓
25	-57°	4467	11	8.9	-57	36	9.0	✓
26	-57°	4486	11	9.6	-57	35	7.8	✓
27	-57°	4488	11	9.8	-57	30	8.8	✓

Monday, November 3, 1913

B 21695 short

No.	Int.	Class	Remarks
✓ 28	3	B8	Partly superposed on 27
✓ 29	4	F8	
✓ 30	7	B9	
✓ 31	1	F <sub>h</sub>	0, 6, 10
✓ 32	4	K <sub>2</sub>	
✓ 33	2	B8	
✓ 34	2	G <sub>0</sub>	
✓ 35	1	B9	
✓ 36	4	A <sub>3</sub>	
✓ 37	4	A <sub>0</sub>	
✓ 38	2	A <sub>2</sub>	
✓ 39	2	A <sub>0</sub>	
✓ 40	2	F <sub>0</sub>	
✓ 41	3	B8	
✓ 42	2	G <sub>0</sub>	
✓ 43	5	B5	
✓ 44	2	B8	
✓ 45	1	B9	
✓ 46	5	F <sub>5</sub>	
✓ 47	3	F <sub>5</sub>	(The southern of two)
✓ 48	2	A <sub>3</sub>	
✓ 49	5	K <sub>2</sub>	
✓ 50	1	K <sub>5</sub>	
✓ 51	4	F <sub>2</sub>	
✓ 52	3	A <sub>0</sub>	
✓ 53	2	A <sub>3</sub>	
✓ 54	2	A <sub>0</sub>	



28	-57°	4489	11	9.8	-57	28	8.9✓
29	-57°	4454	11	8.5	-57	14	8.8✓
30	-57°	4465	11	8.9	-57	7	8.2✓
31	-57°	4494	11	10.2	-57	15	10.0✓
32	-57°	4498	11	10.2	-57	18	9.0✓
33	-57°	4500	11	10.3	-57	16	9.2✓
34	-56°	4340	11	9.4	-56	50	9.3✓
35	-56°	4350	11	10.0	-56	50	9.4✓
36	-56°	4369	11	11.5	-56	47	9.1✓
37	-56°	4372	11	11.6	-56	54	9.2✓
38	-56°	4376	11	11.9	-56	20	9.4✓
39	-56°	4377	11	12.0	-56	18	9.4✓
40	-56°	4365	11	11.2	-56	1	9.3✓
41	-55°	4273	11	12.0	-55	44	9.1✓
42	-55°	4277	11	12.2	-55	33	9.4✓
43	-55°	4283 <sup>5</sup>	11	<del>12.8</del> <sup>13.5</sup>	-55	<del>57</del> <sup>4</sup>	<del>9.3</del> <sup>8.4</sup> ✓
44	-55°	4283	11	12.8	-55	57	9.3✓
45	-56°	4390	11	12.7	-56	2	9.4✓
46	-56°	4406	11	13.8	-56	17	8.8✓
47	-56°	4407	11	13.8	-56	32	9.1✓
48	-56°	4409	11	14.1	-56	28	9.4✓
49	-56°	4416	11	14.8	-56	16	9.0✓
50	-56°	4415	11	14.8	-56	8	9.4✓
51	-56°	4424	11	15.3	-56	18	9.0✓
52	-55°	4293	11	14.6	-55	44	8.9✓
53	-55°	4287	11	14.0	-55	18	9.2✓
54	-55°	4289	11	14.3	-55	16	9.4✓

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B21695 short

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



55	-54°	4461	11	13.4	-54	58	9.0	✓
56	-55°	4297	11	14.9	-55	7	9.4	✓
57	-55°	4309	11	16.0	-55	32	9.5	✓
58	-55°	4318	11	16.6	-55	55	8.8	✓
59	-56°	4441	11	16.9	-56	6	8.9	✓
60	-56°	4456	11	18.1	-56	0	8.9	✓
61	-56°	4458	11	18.3	-56	9	9.4	✓
62	-56°	4463	11	18.4	-56	23	9.0	✓
63	-56°	4470	11	19.0	-56	8	9.0	✓
64	-56°	4475	11	19.3	-56	7	8.4	✓
65	-56°	4430	11	16.0	-56	43	9.0	✓
66	-56°	4446	11	17.2	-56	50	9.1	✓
67	-56°	4460	11	18.3	-56	58	8.8	✓
68	-57°	4668	11	18.8	-57	3	8.8	✓
69	-57°	4683	11	19.8	-57	9	9.2	✓
70	-57°	4698	11	20.6	-57	14	8.4	✓
71	-57°	4681	11	19.7	-57	17	9.4	✓
72	-57°	4688	11	20.1	-57	27	8.6	✓
73	-57°	4696	11	20.5	-57	42	9.4	✓
74	-58°	3268	11	6.7	-58	8	8.4	✓
75	-58°	3279	11	6.9	-58	17	8.4	✓
76	-58°	3301	11	7.7	-58	25	8.6	✓
77	-58°	3286	11	7.1	-58	10	8.9	✓
78	-58°	3293	11	7.6	-58	5	8.6	✓
79	-58°	3299	11	7.6	-58	13	8.5	✓
80	-58°	3314	11	8.1	-58	14	8.7	✓
81	-58°	3300	11	7.6	-58	19	9.2	✓

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B 21695, short.

No.	Int.	Class	Remarks
✓ 82	5	A <sub>0</sub>	
✓ 83	5	B <sub>8</sub>	
✓ 84	2	K <sub>0</sub>	
✓ 85	3	A <sub>0</sub>	
✓ 86	1	A <sub>0</sub>	
✓ 87	7	F <sub>2</sub>	
✓ 88	3	B <sub>8</sub>	
✓ 89	3	K <sub>0</sub>	
✓ 90	5	A <sub>2</sub>	
✓ 91	3	B <sub>5</sub>	
✓ 92	6	A <sub>0</sub>	
✓ 93	5	A <sub>2</sub>	
✓ 94	6	A <sub>0</sub>	
✓ 95	4	F <sub>0</sub>	
✓ 96	3	B <sub>9</sub>	
✓ 97	4	A <sub>2</sub>	
✓ 98	3	A <sub>0</sub>	
✓ 99	6	B <sub>8</sub>	
✓ 100	1	K <sub>0</sub>	
✓ 101	4	B <sub>8</sub>	
✓ 102	4	A <sub>3</sub>	
✓ 103	3	B <sub>9</sub>	
✓ 104	3	B <sub>5</sub>	
✓ 105	3	A <sub>0</sub>	
✓ 106	3	F <sub>5</sub>	
✓ 107	4	B <sub>5</sub>	
J 108	4	B <sub>9</sub>	



82	-58°	3346	11	9.0	-58	11	8.6	✓
83	-58°	3357	11	9.2	-58	9	8.6	✓
84	-58°	3368	11	9.6	-58	6	9.1	✓
85	-57°	4482	11	9.6	-57	55	9.2	✓
86	-58°	3377	11	9.9	-58	2	9.4	✓
87	-58°	3388	11	10.3	-58	12	8.4	✓
88	-58°	3407	11	11.3	-58	10	9.1	✓
89	-58°	3412	11	11.6	-58	23	9.1	✓
90	-58°	3429	11	12.3	-58	26	8.7	✓
91	-58°	3423	11	12.0	-58	32	8.9	✓
92	-58°	3441	11	12.8	-58	33	8.6	✓
93	-58°	3448 <sup>7</sup>	11	13.2	-58	32	8.6	✓
94	-58°	3452	11	13.4	-58	20	8.2	✓
95	-58°	3436	11	12.6	-58	12	8.6	✓
96	-57°	4532	11	12.1	-57	55	9.2	✓
97	-57°	4554	11	13.1	-57	53	8.8	✓
98	-57°	4561	11	13.5	-57	55	9.2	✓
99	-58°	3464	11	14.0	-58	9	8.2	✓
100	-57°	4558	11	13.3	-57 <sup>8</sup>	0	9.4	✓
101	-58°	3467	11	14.2	-58	6	8.6	✓
102	-58°	3471	11	14.3	-58	4	8.6	✓
103	-57°	4529	11	12.0	-57	28	9.0	✓
104	-57°	4536	11	12.2	-57	18	9.0	✓
105	-57°	4537	11	12.2	-57	29	9.2	✓
106	-57°	4548	11	12.7	-57	30	9.2	✓
107	-57°	4563	11	13.5	-57	32	9.0	✓
108	-57°	4594	11	14.9	-57	47	8.8	✓

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B 21695 short

No.	Int.	Class	Remark
✓ 109	2	K <sub>0</sub>	
✓ 110	5	K <sub>0</sub>	
✓ 111	7	F <sub>2</sub>	
✓ 112	2	A <sub>2</sub>	
✓ 113	4	B <sub>9</sub>	
✓ 114	2	A <sub>5</sub>	
✓ 115	4	B <sub>8</sub>	
✓ 116	2	A <sub>0</sub>	Another star superposed?
✓ 117	4	B <sub>8</sub>	
✓ 118	7	K <sub>0</sub>	
✓ 119	4	B <sub>2</sub>	
✓ 120	6	A <sub>0</sub>	
✓ 121	7	A <sub>0</sub>	
✓ 122	2	A <sub>0</sub>	
✓ 123	2	F <sub>0</sub>	
✓ 124	2	G <sub>5</sub>	
✓ 125	7	K <sub>0</sub>	
✓ 126	2	K <sub>0</sub>	
✓ 127	1	A <sub>0</sub>	
✓ 128	1	K <sub>0</sub>	
✓ 129	12	A <sub>0</sub>	The north following stars?
✓ 130	2	A <sub>0</sub>	
✓ 131	2	B <sub>8</sub>	
✓ 132	1	A <sub>5</sub>	Perhaps comp. K line too faint for class.
✓ 133	2	F <sub>7</sub>	Another star superposed
✓ 134	5	G <sub>5</sub>	
✓ 135	2	A <sub>0</sub>	



109	-57°	4595	11	15.0	-57	54	9.1	✓	
110	-57°	4601	11	15.1	-57	38	8.6	✓	
111	-57°	4608	11	15.3	-57	48	8.4	✓	
112	-57°	4605	11	15.3	-57	24	9.2	✓	
113	-57°	4612	11	15.7	-57	29	8.8	✓	
114	-57°	4617	11	16.0	-57	15	9.2	✓	
115	-57°	4621	11	16.2	-57	40	8.7	✓	
116	-57°	4624	11	16.2	-57	51	9.4	✓	
117	-57°	4623	11	16.2	-57	56	8.9	✓	-57° 4622 10.0 50/yr.
118	-58°	3550	11	17.7	-58	6	8.4	✓	
119	-58°	3534	11	17.0	-58	16	8.4	✓	
120	-58°	3538	11	17.2	-58	18	8.2	✓	
121	-58°	3557	11	17.9	-58	24	8.0	✓	
122	-58°	3568	11	18.4	-58	14	8.8	✓	
123	-57°	4677	11	19.2	-57	59	9.4	✓	
124	-58°	3595	11	19.7	-58	6	9.0	✓	
125	-57°	4654	11	18.0	-57	35	8.5	✓	
126	-57°	4659	11	18.2	-57	31	9.1	✓	
127	-57°	4642	11	17.3	-57	20	9.3	✓	
128	-57°	4645	11	17.5	-57	23	9.3	✓	
129	-57°	4663	11	18.4	-57	41	9.4	✓	
130	-56°	4486	11	19.7	-56	53	9.4	✓	
131	-56°	4485	11	19.6	-56	43	9.1	✓	
132	-56°	4490	11	19.9	-56	36	9.4	✓	
133	-56°	4499	11	20.6	-56	16	9.6	✓	4500 -56° 4498 sup. 10.0 9.8
134	-56°	4509	11	21.2	-56	21	9.0	✓	
135	-56°	4516	11	22.1	-56	26	9.4	✓	

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B 21695 short

No.	Int.	Class	Remark
✓ 136	2	F <sub>2</sub>	
✓ 137	5	K <sub>0</sub>	
✓ 138	3	Q <sub>0</sub>	
✓ 139	5	B <sub>2</sub>	
✓ 140	2	K <sub>0</sub>	
✓ 141	5	Q <sub>3</sub>	
✓ 142	3	K <sub>0</sub>	
✓ 143	5	Q <sub>0</sub>	
✓ 144	2	K <sub>0</sub>	Partly superposed on 143
✓ 145	4	Q <sub>0</sub>	
✓ 146	2	F <sub>2</sub>	
✓ 147	4	K <sub>0</sub>	
✓ 148	2	Q <sub>0</sub>	
✓ 149	4	K <sub>0</sub>	
✓ 150	3	Q <sub>2</sub>	
✓ 151	2	K <sub>5</sub>	
✓ 152	2	Q <sub>0</sub>	
✓ 153	3	K <sub>2</sub>	
✓ 154	2	F <sub>2</sub>	
✓ 155	2	K <sub>0</sub>	
✓ 156	4	K <sub>2</sub>	
✓ 157	5	B <sub>8</sub>	
✓ 158	2	Q <sub>0</sub>	
✓ 159	5	B <sub>5</sub>	
✓ 160	5	F <sub>0</sub>	
✓ 161	3	Q <sub>0</sub>	
12.08 ✓ 162	4	Q <sub>2</sub>	



136	-56°	4506	11	20.9	-56	29	9.4✓
137	-56°	4508	11	22.4	-56	49	9.0✓
138	-56°	4526	11	23.3	-56	54	9.2✓
139	-55°	4399	11	23.3	-55	57	8.3✓
140	-56°	4529	11	23.3	-56	9	9.4✓
141	-56°	4539	11	23.9	-56	11	8.4✓
142	-56°	4558	11	25.1	-56	13	8.7✓
143	-55°	4362	11	19.9	-55	41	9.0✓
144	-55°	4366	11	20.1	-55	45	9.0✓
145	-55°	4374	11	20.7	-55	56	9.0✓
146	-55°	4375	11	20.7	-55	50	9.3✓
147	-55°	4379	11	21.4	-55	55	9.0✓
148	-55°	4376	11	20.8	-55	35	9.0✓
149	-55°	4349	11	19.0	-55	12	9.1✓
150	-55°	4330 <sup>29</sup>	11	17.5	-55	3	9.2✓
151	-55°	4321	11	16.8	-55	13	9.3✓
152	-54°	4458	11	13.2	-54	44	9.4✓
153	-54°	4464	11	13.7	-54	40	9.2✓
154	-54°	4484	11	15.3	-54	39	9.4✓
155	-54°	4487	11	15.6	-54	40	9.3✓
156	-54°	4467	11	14.0	-54	4	9.0✓
157	-54°	4482	11	15.2	-54	15	8.8✓
158	-54°	4480	11	14.8	-54	1	9.2✓
Trail of 159	-53°	4498	11	15.3	-53	48	4.9✓
160	-53°	4501	11	16.0	-53	41	8.8✓
161	-54°	4528	11	19.9	-54	42	9.0✓
162	-54°	4538	11	20.7	-54	47	8.8✓

10.20

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No.	Int.	Class	Remark
✓ 163	2	A <sub>0</sub>	
✓ 163a	4	B <sub>5</sub>	
✓ 164	3	K <sub>0</sub>	
✓ 165	4	A <sub>0</sub>	
✓ 166	5	K <sub>0</sub>	
✓ 167	7	B <sub>0</sub>	
✓ 168	1	A <sub>2</sub>	Nearly all superposed on 167
✓ 169	5	B <sub>5</sub>	
✓ 170	3	B <sub>9</sub>	
✓ 171	4	B <sub>8</sub>	
✓ 172	2	A <sub>0</sub>	
✓ 173	2	B <sub>9</sub>	
✓ 174	1	A <sub>0</sub>	
✓ 175	3	B <sub>0</sub>	
✓ 176	1	A <sub>0</sub>	
✓ 177	8	B <sub>5</sub>	
✓ 178	8	B <sub>9</sub>	
✓ 179	9	B <sub>3</sub>	
✓ 180	3	A <sub>0</sub>	
✓ 181	6	A <sub>0</sub>	
✓ 182	3	B <sub>1</sub>	
✓ 183	1	B <sub>1</sub>	
✓ 184	4	K <sub>0</sub>	Partly superposed on 185
✓ 185	5	B <sub>9</sub>	
✓ 186	4	A <sub>0</sub>	
✓ 187	2	A	Nearly all superposed on 186
✓ 188	3	A <sub>0</sub>	
✓ 189	7	B <sub>0</sub>	



163	-58°	3615	11	20.9	-58	11	8.9	✓
163a	-55°	4384	11	21.8	-55	13	9.0	✓
164	-58°	3633	11	21.6	-58	19	9.1	✓
165	-58°	3631	11	21.5	-58	34	8.8	✓
166	-58°	3613	11	20.7	-58	36	8.8	✓
167	-58°	3620	11	20.9	-58	45	8.2	✓
168	-58°	3617	11	20.9	-58	44	9.0	✓
169	-58°	3622	11	21.0	-58	58	8.6	✓
170	-59°	3483	11	22.0	-59	4	8.8	✓
171	-59°	3474	11	21.7	-59	14	8.6	✓
172	-59°	3472	11	21.4	-59	13	9.1	✓
173	-59°	3462	11	20.6	-59	14	8.9	✓
174	-58°	3608	11	20.4	-58	58	9.5	✓
175	-58°	3603	11	20.2	-58	54	9.1	✓
176	-58°	3597	11	20.0	-58	56	9.3	✓
177	-58°	3587	11	19.4	-58	58	8.5	✓
178	-58°	3575	11	18.7	-58	36	8.4	✓
179	-58°	3566	11	18.3	-58	37	8.2	✓
180	-58°	3567	11	18.3	-58	48	8.6	✓
181	-58°	3544	11	17.3	-58	38	8.6	✓
182	-58°	3540	11	17.2	-58	41	8.8	✓
183	-58°	3527	11	16.7	-58	36	9.4	✓
184	-58°	3510	11	15.8	-58	34	8.7	✓
185	-58°	3512	11	16.0	-58	39	8.6	✓
186	-58°	3530	11	16.9	-58	56	9.1	✓
187	-58°	3528	11	16.8	-58	56	8.9	✓
188	-59°	3381	11	15.8	-59	7	9.0	✓
189	-58°	3477	11	14.5	-58	53	8.2	✓

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B21695, short

No.	Int.	Class	Remark
✓ 190	2	A <sub>2</sub>	
✓ 191	5	B <sub>9</sub>	
✓ 192	2	A <sub>0</sub>	
✓ 193	1	B <sub>9</sub>	
✓ 194	7	B <sub>0</sub>	
✓ 195	7	B <sub>0</sub>	
✓ 196	2	A <sub>0</sub>	Partly superposed on 195
✓ 197	5	F <sub>5</sub>	
✓ 198	3	B <sub>8</sub>	
✓ 199	2	B <sub>5</sub>	Partly superposed on 198
✓ 200	5	F <sub>0</sub>	
✓ 201	6	B <sub>0</sub>	
✓ 202	3	A <sub>5</sub>	
✓ 203	2	K <sub>0</sub>	
✓ 204	5	A <sub>0</sub>	
✓ 205	3	K <sub>2</sub>	
✓ 206	3	G <sub>5</sub>	
✓ 207	2	M <sub>a</sub>	
✓ 208	3	A <sub>0</sub>	Partly superposed on 209
✓ 209	6	B <sub>3</sub>	
✓ 210	3	A <sub>0</sub>	
✓ 211	3	A <sub>0</sub>	
✓ 212	4	G <sub>5</sub>	
✓ 213	5	A <sub>0</sub>	
✓ 214	2	B <sub>9</sub>	
✓ 215	2	B <sub>9</sub>	
✓ 216	1	K <sub>0</sub>	



190	-58°	3457	11	13.5	-58	42	9.3✓
191	-58°	3417	11	11.7	-58	44	8.6✓
192	-58°	3389	11	10.3	-58	29	9.1✓
193	-58°	3369	11	9.6	-58	23	9.2✓
194	-58°	3351	11	9.1	-58	21	8.4✓
195	-58°	3366	11	9.5	-58	30	8.4✓
196	-58°	3361	11	9.4	-58	33	9.3✓
197	-58°	3340	11	8.9	-58	33	8.8✓
198	-58°	3320	11	8.4	-58	28	9.0✓
199	-58°	3327	11	8.6	-58	32	9.0✓
200	-58°	3355	11	9.2	-58	42	8.7✓
201	-58°	3372	11	9.8	-58	44	8.6✓
202	-58°	3373	11	9.8	-58	54	9.0✓
203	-58°	3288	11	7.4	-58	44	9.3✓
204	-58°	3307	11	7.8	-58	58	8.7✓
205	-59°	3160	11	6.3	-59	2	8.9✓
206	-59°	3144	11	6.0	-59	8	8.8✓
207	-59°	3213	11	8.1	-59	25	9.4✓
208	-59°	3254	11	9.7	-59	26	8.6✓
209	-59°	3259	11	9.8	-59	29	8.0✓
210	-59°	3255	11	9.8	-59	21	9.1✓
211	-59°	3265	11	10.1	-59	50	9.0✓
212	-59°	3289	11	11.0	-59	53	8.6✓
213	-59°	3307	11	12.1	-59	45	8.6✓
214	-59°	3318	11	12.6	-59	31	9.2✓
215	-59°	3321	11	12.6	-59	19	9.1✓
216	-58°	3445	11	13.1	-58	49	9.5✓

Wednesday, November 19, 1913

B 21695 short

No.	Int.	Class	Remark
✓ 217	1	A <sub>0</sub>	
✓ 218	3	B <sub>9</sub>	
✓ 219	7	B <sub>0</sub>	
✓ 220	5	A <sub>0</sub>	
✓ 221	2	B <sub>9</sub>	
✓ 222	3	A <sub>2</sub>	
✓ 223	5	A <sub>0</sub>	
✓ 224	4	B	Another star superposed?
✓ 225	2	F <sub>8</sub>	
✓ 226	3	K <sub>0</sub>	
✓ 227	6	B <sub>9</sub>	
✓ 228	4	A <sub>0</sub>	
✓ 229	3	Comp.	Partly superposed on 228 <sup>n</sup> . P <sub>1</sub> = F <sub>5</sub> <sup>M = 0.5 H</sup> P <sub>2</sub> = A <sub>3</sub> ✓
✓ 230	2	B <sub>8</sub>	
✓ 231	6	B	Another star superposed at north.
✓ 232	4	A <sub>0</sub>	
✓ 233	5	F <sub>5</sub>	(the following two)
✓ 234	7	K <sub>2</sub>	
✓ 235	4	A <sub>3</sub>	
✓ 236	7	A <sub>0</sub>	
✓ 237	2	A <sub>0</sub>	
✓ 238	2	G <sub>0</sub>	
✓ 239	3	A <sub>0</sub>	
✓ 240	4	A <sub>0</sub>	
✓ 241	5	A <sub>0</sub>	
✓ 242	4	A <sub>3</sub>	
✓ 243	7	B <sub>2</sub>	



217	-58°	3449	11	13.3	-58	53	9.3	✓
218	-59°	3374	11	15.3	-59	22	8.8	✓
219	-59°	3376	11	15.4	-59	29	8.0	✓
220	-59°	3359	11	14.5	-59	35	8.7	✓
221	-59°	3357	11	14.4	-59	39	9.0	✓
222	-59°	3330 <sup>46</sup>	11	14.0	-59	55 <sup>4</sup>	8.7	✓
223	-59°	3330 <sup>68</sup>	11	12.9	-59	55 <sup>4</sup>	9.0	✓
224	-59°	3390 <sup>89</sup>	11	15.1	-59	55 <sup>4</sup>	8.5	✓
225	-59°	3390	11	16.3	-59	18	8.4	-59° 3388 <sup>7</sup> sup. 8.4
226	-59°	3415	11	17.8	-59	7	9.2	✓
227	-59°	3425	11	18.6	-59	14	9.1	✓
228	-59°	3430	11	18.8	-59	7	8.2	✓
229	-58°	3548	11	17.6	-58	53	8.7	✓
230	-58°	3551	11	17.7	-58	54	9.0	✓
231	-59°	3442	11	19.3	-59	12	8.8	✓
232	-59°	3454	11	20.1	-59	30	8.6	✓
233	-59°	3467	11	20.8	-59	45	8.4	✓
234	-59°	3486	11	22.1	-59	33	8.6	✓
235	-58°	3675	11	24.7	-58	56	8.7	✓
236	-58°	3688	11	25.7	-58	59	8.9	✓
237	-59°	3564	11	26.2	-59	3	8.2	✓
238	-58°	3695	11	26.2	-58	41	9.1	✓
239	-58°	3713	11	28.2	-58	52	9.0	✓
240	-59°	3579	11	27.0	-59	20	8.6	✓
241	-59°	3552	11	25.5	-59	24	8.6	✓
242	-59°	3544	11	25.0	-59	20	8.2	✓
243	-59°	3541	11	24.7	-59	20	8.6	✓
244	-59°	3100	11	4.7	-59	25	7.7	✓

Wednesday, November 19, 1913

&lt;

B 21695 short

No.	Int.	Class	Remark
✓ 244	5	B <sub>2</sub>	
✓ 245	3	B	
✓ 246	3	Cont.	Probably several stars
✓ 247	4	A <sub>0</sub>	
✓ 248	3	A <sub>0</sub>	
✓ 249	9	B <sub>9</sub>	
✓ 250	4	B	Heavily all superposed on a bright star south.
✓ 251	3	A <sub>0</sub>	<
✓ 252	2	A <sub>0</sub>	Partly superposed on 253
✓ 253	4	B	<
✓ 254	4	B	Another star superposed at south
✓ 255	6	A <sub>0</sub>	Another star superposed north preceding. Probably <sup>class</sup> B.
✓ 256	4	B	
10.55 ✓ 257	2	A <sub>0</sub>	
258			
259			
260			
258	261	2	B
259	262	2	Ma
✓ 260	263	6	B Another star superposed also probably B
264			
265			
266			
267			
268			
269			
270			



244	-59°	3102	11	4.8	-59	34	8.0	✓
245	-59°	3114	11	5.2	-59	28	8.7	✓
246	-59°	31 <sup>9.9</sup> <sub>11</sub>	11	5 <sup>1</sup> / <sub>2</sub>	-59	<sup>36</sup> <sub>33</sub> 36	<sup>9.1</sup> 8.9 8.9	✓ And perhaps others
247	-59°	3129	11	5.7	-59	38	8.4	✓
248	-59°	3157	11	6.2	-59	30	8.7	✓
249	-59°	3165	11	6.3	-59	38	7.3	✓
250	-59°	3156	11	6.2	-59	42	8.4	✓ -59° 3164 sup. 8.2 3166 " 8.4
251	-59°	3094	11	4.2	-59	35	8.8	✓
252	-59°	3086	11	3.7	-59	32	8.9	✓
253	-59°	3088	11	3.9	-59	39	8.8	✓
254	-59°	3083	11	3.5	-59	42	8.6	✓ -59° 3084 sup. 9.3
255	-59°	3078	11	2.9	-59	34	8.4	✓ -59° 3075 sup. <sup>mag</sup> 8.7
256	-59°	3056	11	2.0	-59	37	8.4	✓
257	-59°	3046	11	1.5	-59	34	9.1	✓

Identified on cards by Anne. July Aug. 4, 1914

Identified in book by J. C. M. Aug. 13, 1914.

Identification compared, cards + book, by G. P. B.

✓	258	-59	3531	11	24.4	-59	55	8.9	8 in B 30798
✓	259	-58	3401	11	16.9	-58	59	9.4	Idaugh from 3rd paper also by Mr. C. H.
✓	260	-59°	3164	11	6.3	-59	46	8.2	













Saturday Dec. 13, 1913

1.45

B 8861 long

M.	Sec.	Class	Remarks
1	7	F2	
2	4	F2	
3	6	B <sub>9</sub>	
4	8	B <sub>9</sub>	
5	4	A <sub>2</sub>	
6	7	B <sub>9</sub>	
7	6	K <sub>0</sub>	
8	9	A <sub>0</sub>	
9	9	A <sub>2</sub>	
10	5	A <sub>5</sub>	
11	6	A <sub>2</sub>	
12	5	F <sub>5</sub>	
13	6	G <sub>0</sub>	
14	7	G <sub>0</sub>	
15	7	A <sub>2</sub>	
16	4	F <sub>8</sub>	
17	10	A <sub>2</sub>	
18	10	A <sub>0</sub>	
19	10	A <sub>2</sub>	
20	3	A <sub>3</sub>	
21	5	K <sub>2</sub>	
22	4	K <sub>5</sub>	
23	2	A <sub>2</sub>	

1.49

24	3	A <sub>0</sub>	
25	4	K <sub>0</sub>	

26  
27  
28



1	-60°	199	2	21.4	-60	52.4	5.9✓
2	-61°	212	2	30.6	-61	31.9	6.8✓
3	-63°	<del>176</del> 169	2	30.5	-63	8.2	6.5✓
4	-64°	174	2	25.1	-64	51.6	6.4✓
5	-64°	178	2	28.0	-64	35.9	7.5✓
6	-64°	192	2	36.8	-64	49.2	6.4✓
7	-64°	196	2	42.8	-64	13.8	6.8✓
8	-63°	188	2	46.2	-63	19.6	5.5✓
9	-64°	215	2	56.4	-64	34.1	5.3✓
10	-65°	219	3	6.7	-65	2.7	6.7✓
11	-64°	229	3	7.9	-64	23.1	6.6✓
12	-64°	235	3	13.2	-64	54.2	6.5✓
13	-63°	217	3	15.1	-63	3.2	6.4✓
14	-62°	265	3	15.5	-62	59.0	5.6✓
15	-67°	217	3	16.6	-67	22.7	6.3✓
16	-67°	181	2	41.3	-67	14.5	6.6✓
17	-68°	169	2	43.6	-68	8.5	5.1✓
18	-68°	161	2	37.7	-68	48.2	3.6✓
19	-69°	113	2	19.5	-69	13.8	3.6✓
20	-68°	134	2	17.4	-68	39.5	6.7✓
21	-68°	128	2	12.9	-68	19.6	7.0✓
22	-68°	126	2	11.6	-68	25.6	6.8✓
23	-68°	144	2	23.2	-68	19.8	7.6✓
24	-67°	211	3	9.0	-67	58.7	7.4✓
25	-66	130	3	3.8	-66	32	7.3 8 m B X 2857

Identified by J. G. C. M. Dec. 15, 1913.

Checked by Am.C. Dec. 20, 1913

Cards made out by G. R. B.

Saturday Dec, 13, 1913

1.50

B42851 long

No	Sid.	class	Remarks
1	3	Ko	
2	8	ao	
3	10+	Ko	
4	4	F2	
5	6	Ko	
6	5	K2	
7	1	ma	
8	4	Ko	
<del>8a</del> 9	3	F8	
10	6	ao	
11	9	ao	
12	5	F2	
13	10	F5	
14	4	K5	
15	2	mb	
16	2	Fo	
17	3	Ko	
18	2	ao	
19	5	ao	
20	10+	F	Burned out.

1.54



1	-69°	87	1	52.9	-69	0.4	7.6 ✓
2	-68°	96	1	49.4	-68	33.6	6.6 ✓
3	-68°	101	1	51.8	-68	15.8	6.2 ✓
4	-66	124 +30	2 1	56.2	-66	3.5	7.4 ✓
5	-66°	123 122	1	54.5	-66	2.1	7.4 ✓
6	-66°	125	1	56.4	-66	40.4	7.4 ✓
7	-66°	126	1	58.0	-66	57.1	8.5 ✓
8	-66°	130 4	2	3.9	-66	32.3	7.3
<del>8a</del>	<del>-66</del>	<del>128</del>	<del>1</del>	<del>56.2</del>	<del>-66</del>	<del>3.5</del>	<del>7.4 ✓</del>
9	-64°	148	1	58.3	-64	13.6	7.4 ✓
10	-67°	89	1	17.6	-67	2.4	6.9 ✓
11	-67°	81	1	12.7	-67	3.5	6.2 ✓
12	-68°	47	1	12.2	-68	5.6	7.2 ✓
13	-69°	45	1	11.5	-69	32.4	5.2 ✓
14	-65°	130	1	20.8	-65	1.4	7.5 ✓
15	-65°	127	1	13.2	-65	52.2	8.2 ✓
16	-65°	134	1	26.5	-65	45.8	7.8 ✓
17	-65°	135	1	27.1	-65	45.8	7.7 ✓
18	-67°	95	1	27.1	-67	8.5	7.6 ✓
19	-63°	124	1	29.7	-63	7.1	6.8 ✓
20	-62°	162	1	54.8	-62	10.6	3.5 ✓

Identified by J. B. M. Dec. 15, 1913  
 Checked by Amc. Dec. 20, 1913  
 Cards made out by G. R. B.

9:54

Tuesday December 30, 1913

~~B 19340~~  
~~I 38227~~ short

No.	Int.	Class	Remark
1	5	K <sub>0</sub>	
2	5	F <sub>8</sub>	
3	4	G <sub>0</sub>	
4	2	K <sub>0</sub>	
5	1	K <sub>0</sub>	
6	2	G <sub>2</sub>	
7	1	K <sub>0</sub>	
8	3	K <sub>2</sub>	
9	5	G <sub>5</sub>	
10	2	F <sub>2</sub>	
11	4	K <sub>2</sub>	
12	6	G <sub>5</sub>	
13	1	K <sub>0</sub>	
14	4	G <sub>5</sub>	
15	3	F <sub>2</sub>	
16	2	G <sub>0</sub>	
17	3	G <sub>0</sub>	
18	8	F <sub>8</sub>	
19	4	G <sub>5</sub>	
20	5	G <sub>0</sub>	
21	6	F <sub>5</sub>	
22	6	G <sub>0</sub>	
23	2	G <sub>0</sub>	
24	2	G <sub>0</sub>	
25	1	K <sub>2</sub>	
26	3	K <sub>2</sub>	
27	3	G <sub>0</sub>	



1 + 4°	2172	q	13.9 + 4	33.7	8.5 $\wedge^v$
2 + 3°	2195	q	15.4 + 3	58.5	8.8 $\wedge^v$
3 + 3°	2197	q	16.2 + 3	21.9	8.8 $\wedge^v$
4 + 4°	2180	q	16.0 + 4	30.7	9.0 $\wedge^v$
5 + 4°	2177	q	15.5 + 4	49.8	9.1 $\wedge^v$
6 + 5°	2166	q	15.3 + 5	12.4	9.3 $\wedge^v$
7 + 5°	2168	q	15.8 + 5	11.2	9.1 $\wedge^v$
8 + 4°	2187	q	18.4 + 4	54.3	8.5 $\wedge^v$
9 + 4°	2189	q	19.2 + 4	57.3	8.7 $\wedge^v$
10 + 4°	2185	q	18.1 + 4	17.5	9.5 $\wedge^v$
11 + 4°	2190	q	19.4 + 4	7.8	8.7 $\wedge^v$
12 + 3°	2208	q	20.4 + 3	28.5	8.5 $\wedge^v$
13 + 3°	2212	q	21.7 + 3	45.3	9.1 $\wedge^v$
14 + 3°	2216	q	22.2 + 3	31.6	9.0 $\wedge^v$
15 + 3°	2215	q	22.2 + 3	48.0	9.3 $\wedge^v$
16 + 3°	2214	q	22.1 + 3	51.5	9.3 $\wedge^v$
17 + 3°	2219	q	23.1 + 3	27.5	9.0 $\wedge^v$
18 + 3°	2221	q	23.6 + 3	43.8	7.2 $\wedge^v$
19 + 4°	2199	q	23.7 + 4	16.5	8.3 $\wedge^v$
20 + 4°	2203	q	25.2 + 4	19.3	8.7 $\wedge^v$
21 + 4°	2207	q	25.9 + 4	26.9	8.6 $\wedge^v$
22 + 4°	2205	q	25.5 + 4	49.0	8.4 $\wedge^v$
23 + 4°	2204	q	25.3 + 4	54.0	9.0 $\wedge^v$
24 + 5°	2192	q	25.8 + 5	18.6	9.3 $\wedge^v$
25 + 5°	2193	q	25.9 + 5	20.9	9.0 $\wedge^v$
26 + 5°	2191	q	25.1 + 5	47.0	8.8 $\wedge^v$
27 + 5°	2197	q	27.0 + 5	37.3	8.8 $\wedge^v$

Tuesday, December 30, 1913

B 19340 short

No.	Int	Class	Remark
28	4	Q <sub>2</sub>	
29	4	K <sub>0</sub>	
30	2	Q <sub>0</sub>	
31	4	K <sub>0</sub>	
32	8	Q <sub>0</sub>	
33	5	F <sub>8</sub>	
34	7	K <sub>2</sub>	
35	2	F <sub>8</sub>	
36	3	F <sub>5</sub>	
37	3	K <sub>0</sub>	
38	10+	K <sub>0</sub>	
39	6	K <sub>0</sub>	
40	4	F <sub>8</sub>	
41	4	F <sub>0</sub>	
42	2	F	Nearly all sup. on 41
43	1	K <sub>2</sub>	
44	3	K <sub>0</sub>	
45	1	Q	
46	7	Q <sub>5</sub>	
47	1	Ma	
48	2	Q <sub>0</sub>	
49	1	K <sub>2</sub>	
50	2	Q <sub>3</sub>	
51	3	K <sub>2</sub>	
52	4	K <sub>0</sub>	
53	2	K <sub>0</sub>	
54	3	F <sub>0</sub>	



28 +5°	2200	9	27.4 + 5	24.8	9.0	^	✓
29 +5°	2202	9	27.8 + 5	16.8	8.7	1	✓
30 +5°	2199	9	27.4 + 5	8.3	9.0	1	✓
31 +4°	2212	9	27.5 + 4	41.1	8.5	1	✓
32 +4°	2213	9	27.9 + 4	33.3	8.0	1	✓
33 +4°	2210	9	27.0 + 4	11.9	8.5	1	✓
34 +5°	2204	9	28.5 + 5	9.7	8.0	1	✓
35 +4°	2218	9	29.2 + 4	56.4	9.3	1	✓
36 +5°	2205	9	28.9 + 5	42.2	8.5	1	✓
37 +5°	2206	9	29.2 + 5	35.6	8.5	^	✓
38 +5°	2247	9	30.9 + 5	18.1	5.0	^	✓
39 +4°	2227	9	32.1 + 4	56.1	8.4	1	✓
40 +3°	2238	9	29.3 + 3	43.7	9.0	1	✓
41 +4°	2220	9	30.0 + 4	8.4	8.8	1	✓
42 +4°	2219	9	30.0 + 4	13.0	9.0	1	✓
43 +4°	2222	9	30.8 + 4	15.0	9.3	1	✓
44 +3°	2245	9	31.4 + 3	52.4	9.0	1	✓
45 +3°	2246	9	31.5 + 3	57.8	9.3	1	✓
46 +3°	2249	9	32.1 + 3	50.6	7.7	1	✓
47 +4°	2225	9	32.0 + 4	8.5	9.1	1	✓
48 +4°	2226	9	32.0 + 4	20.4	9.3	1	✓
49 +4°	2224	9	32.0 + 4	36.6	9.3	1	✓
50 +4°	2228	9	33.2 + 4	22.5	9.3	1	✓
51 +4°	2229	9	33.4 + 4	26.6	8.6	1	✓
52 +5°	2215	9	32.8 + 5	1.1	8.8	1	✓
53 +5°	2218	9	33.1 + 5	3.3	9.0	1	✓
54 +5°	2219	9	33.4 + 5	10.8	9.2	1	✓

Tuesday December 30, 1913

B 19340 short

No.	Int.	Class	Remark
55	6	K <sub>0</sub>	
56	6	G <sub>5</sub>	
57	5	F <sub>0</sub>	
58	2	K <sub>0</sub>	
59	4	G <sub>0</sub>	
60	2	G <sub>5</sub>	
61	1	F <sub>8</sub>	
62	6	F <sub>0</sub>	
63	5	K <sub>2</sub>	
64	1	G <sub>0</sub>	
65	5	F <sub>0</sub>	
66	8	F <sub>8</sub>	
67	2	K <sub>2</sub>	
68	4	F <sub>8</sub>	
10:04 57m 69	7	K <sub>2</sub>	
11.33 am 70	4	K <sub>0</sub>	
71	2	K <sub>0</sub>	
72	3	G <sub>5</sub>	
73	6	K <sub>0</sub>	
74	1	G <sub>0</sub>	
75	3	K <sub>2</sub>	
76	1	K <sub>2</sub>	
77	6	G <sub>5</sub>	
78	9	G <sub>0</sub>	
79	9	F <sub>8</sub>	
80	10	F <sub>5</sub>	
81	2	K <sub>0</sub>	



55 +5°	2220	q	33.8 +5	21.6	8.2	1 r
56 +5°	2222	q	34.4 +5	38.2	8.6	1 r
57 +5°	2225	q	35.3 +5	41.2	8.7	1 r
58 +3°	2250	q	32.6 +3	37.2	9.0	1 v
59 +3°	2248	q	31.8 +3	7.5	8.8	1 v
60 +3°	2252	q	33.2 +3	8.6	9.0	1 v
61 +3°	2256	q	34.1 +3	10.1	9.0	1 v
62 +2°	2237	q	34.5 +2	44.0	8.7	1 v
63 +2°	2239	q	34.8 +2	58.2	8.0	1 v
64 +2°	2240	q	35.0 +2	47.9	9.3	1 v
65 +2°	2241	q	35.2 +2	27.3	8.0	1 v
66 +3°	2261	q	35.9 +3	17.4	7.5	1 v
67 +3°	2262	q	36.8 +3	35.1	8.8	1 v
68 +4°	2234	q	36.7 +4	5.9	8.7	1 v
69 +4°	2236	q	37.1 +4	0.6	7.5	1 v
70 +4°	2238	q	37.4 +4	2.0	8.4	1 v
71 +2°	2245	q	37.8 +2	57.8	8.9	1 v
72 +2°	2244	q	37.6 +2	32.3	9.0	1 v
73 +2°	2243	q	36.9 +2	37.9	8.0	1 v
74 +2°	2242	q	36.4 +2	44.0	9.3	1 v
75 +1°	2354	q	36.9 +1	43.8	8.9	1 v
76 +2°	2238	q	34.7 +2	25.5	9.5	1 v
77 +2°	2214	q	23.9 +2	55.1	7.8	1 v
78 +1°	2316	q	23.1 +1	54.2	7.8	1 v
79 +2°	2215	q	24.0 +2	5.6	7.2	1 v
80 +2°	2217	q	25.2 +2	31.0	6.2	1 v
81 +3°	2227	q	25.2 +3	36.2	8.8	1 v

Tuesday, December 30, 1913

B 19 340 short.

No.	Sub.	Class	Remark
82	1	Ko	
83	2	F5	
84	3	A5	
85	5	Ko	
86	1	F8	
87	1	B0	
88	6	B0	
89	10	B5	
90	1	B5	
91	8	F8	
92	4	F0	
93	3	F5	
94	1	B5	
95	1	K2	
96	1	Ko	
97	1	B0	
98	2	B0	
99	3	F8	
100	2	F5	
101	4	F0	
102	2	B0	
103	3	F0	
104	1	F8	The following of two.
105	1	B0	
106	1	B5	
107	7	B5	
108	2	F8	



82 + 3°	222 <sup>4</sup> <del>2</del>	q	24.6 + 3	56.8 <sup>3</sup>	9.3 <sup>1</sup> ^ v
83 + 3°	2231	q	27.8 + 3	3.5	9.0 ^ v
84 + 3°	2232	q	28.0 + 3	15.5	9.0 ^ v
85 + 3°	2233	q	28.2 + 3	17.2	8.5 ^ v
86 + 3°	2237	q	29.1 + 3	14.2	9.5 ^ v
87 + 3°	2240	q	30.0 + 3	11.2	9.2 ^ v
88 + 2°	2227	q	29.9 + 2	32.2	8.0 ^ v
89 + 2°	2229	q	30.2 + 2	20.7	7.2 ^ v
90 + 2°	22 <sup>28</sup> <del>30</del>	q	30.8 <sup>2</sup> + 2	27.3 <sup>2</sup> 29.4	9.5 <sup>1</sup> ^ v
91 + 2°	22 <sup>28</sup> <del>30</del>	q	30.8 + 2	29.4	8.2 ^ v
92 + 1°	2331	q	29.8 + 1	22.7	8.9 ^ v
93 + 1°	2332	q	29.9 + 1	36.5	8.8 ^ v
94 + 2°	2232	q	32.0 + 2	13.7	9.0 ^ v
95 + 2°	2233	q	32.8 + 2	19.0	9.1 ^ v
96 + 2°	2234	q	32.9 + 2	13.6	9.5 ^ v
97 + 1°	2344	q	33.5 + 1	53.6	9.3 ^ v
98 + 1°	2346	q	33.7 + 1	48.1	9.2 ^ v
99 + 1°	2350	q	34.1 + 1	32.0	9.1 ^ v
100 + 1°	2349	q	34.0 + 1	10.9	9.1 ^ v
101 + 1°	2348	q	33.9 + 1	3.0	8.7 ^ v
102 + 1°	2343	q	33.3 + 1	12.5	9.3 ^ v
103 + 1°	2342	q	33.3 + 1	9.5	9.0 ^ v
104 + 1°	2341	q	33.3 + 1	41.0	9.4 ^ v
105 + 1°	2345	q	33.6 + 1	38.3	9.1 ^ v
106 + 1°	2335	q	31.4 + 1	34.8	9.3 ^ v
107 + 1°	2327	q	27.4 + 1	18.3	8.3 ^ v
108 + 1°	23 <sup>28</sup> <del>51</del>	q	27.8 <sup>28</sup> 25.7 + 1	10.2	9.0 ^ v

only one dm number. The following  
of this series maybe the dm star.

Tuesday December 30, 1913

B 19 340 short.

No.	Dist.	Class	Remark
109	3	K <sub>0</sub>	
110	1	A <sub>2</sub>	
111	1	F <sub>5</sub>	
112	1.	G <sub>5</sub>	
113	1	G <sub>5</sub>	
114	3	K <sub>2</sub>	
115	2	K <sub>2</sub>	
116	4	G <sub>0</sub>	
117	3	A <sub>0</sub>	
118	1	K <sub>5</sub>	
119	3	G <sub>5</sub>	
120	2	K <sub>0</sub>	
121	2	F <sub>8</sub>	
122	4	G <sub>0</sub>	
123	3	K <sub>0</sub>	
124	2	K <sub>0</sub>	
125	2	K <sub>2</sub>	
126	3	A <sub>0</sub>	
127	2	G <sub>5</sub>	
128	2	K <sub>0</sub>	
129	2	F <sub>5</sub>	
130	1	G <sub>5</sub>	
131	6	F <sub>5</sub>	
11.41	132	2	A <sub>3</sub>
133	2	G <sub>5</sub>	
10:13	134	2	G <sub>0</sub>
135	5	G <sub>0</sub>	Another star exp. at south.



109 +1°	2326	q	27.4 +1	50.7	8.8	1 ✓
110 +2°	2221	q	27.3 +2	14.7	9.3	1 ✓
111 +2°	2223	q	28.4 +2	19.0	9.3	1 ✓
112 +2°	2224	q	28.8 +2	7.1	9.3	1 ✓
113 +1°	2329	q	28.5 +1	54.9	8.8	1 ✓
114 +2°	2185	q	14.4 +2	29.9	8.3	1 ✓
115 +2°	2187	q	14.7 +2	6.1	8.8	1 ✓
116 +2°	2190	q	15.0 +2	20.5	9.0	1 ✓
117 +1°	2292	q	15.8 +1	31.3	9.3	1 ✓
118 +1°	2293	q	16.6 +1	12.2	8.8	1 ✓
119 +1°	2294	q	17.4 +1	38.2	8.8	1 ✓
120 +1°	2297	q	18.1 +1	36.5	9.3	1 ✓
121 +1°	2298	q	18.2 +1	42.3	9.0	1 ✓
122 +1°	2302	q	19.3 +1	43.1	8.8	1 ✓
123 +1°	2305	q	19.8 +1	55.9	8.7	1 ✓
124 +2°	2202	q	19.6 +2	16.7	9.0	1 ✓
125 +2°	2201	q	18.6 +2	18.8	8.3	1 ✓
126 +2°	2198	q	18.3 +2	33.0	8.8	1 ✓
127 +2°	2200	q	18.6 +2	58.5	9.2	1 ✓
128 +3°	2203	q	18.6 +3	19.1	9.0	1 ✓
129 +3°	2207	q	19.5 +3	5.9	9.0	1 ✓
130 +2°	2203	q	19.7 +2	47.7	9.3	1 ✓
131 +2°	2212	q	22.4 +2	49.7	8.0	1 ✓
132 +2°	2211	q	22.3 +2	57.6	8.8	1 ✓
133 +2°	2213	q	22.4 +2	4.6	9.2	1 ✓
134 +1°	2315	q	22.4 +1	52.7	9.5	1 ✓
135 +1°	2313	q	22.1 +1	52.6	8.8	1 ✓

+1° 2314 q 22.2 +1 48.5  
mag. 19.4 supposed

Thursday, January 1, 1914

B19340 short

No.	Int.	Class	Remark
136	7	Q <sub>0</sub>	
137	4	Q <sub>5</sub>	
138	1	K <sub>0</sub>	
139	2	K <sub>5</sub>	
140	8	Q <sub>5</sub>	
141	3	F <sub>5</sub>	
142	4	F <sub>5</sub>	
143	4	K <sub>0</sub>	
144	5	Q <sub>5</sub>	
145	3	F <sub>0</sub>	
146	4	F <sub>8</sub>	
147	3	K <sub>2</sub>	
148	3	Q <sub>5</sub>	
149	2	K <sub>2</sub>	
150	2	F <sub>8</sub>	
151	4	K <sub>0</sub>	
152	6	K <sub>0</sub>	
153	2	Q <sub>5</sub>	
154	2	Q <sub>0</sub>	
155	2	F <sub>8</sub>	
156	1	K <sub>0</sub>	
157	5	K <sub>0</sub>	
158	2	F <sub>8</sub>	
159	1	Q <sub>5</sub>	
160	4	Q <sub>0</sub>	
161	4	K <sub>2</sub>	
162	4	K <sub>2</sub>	



136 +1°	2311 q	21.6 +1	42.1	8.5	1 v
137 +1°	2306 q	20.3 +1	34.4	9.0	1 v
138 +1°	2307 q	20.4 +1	58.2	9.2	1 v
139 +1°	2300 q	18.9 +1	14.3	8.8	1 v
140 +1°	2299 q	18.5 +1	13.3	8.3	1 v
141 +0°	2515 q	18.4 +0	58.1	8.9	1 v
142 +0°	2519 q	19.3 +0	16.0	9.2	1 v
143 -0°	2197 q	19.2 -0	18.8	8.3	1 v
144 -0°	2192 q	18.4 -0	8.4	8.9	1 v
145 +0°	2513 q	18.2 +0	17.8	9.5	1 v
146 +0°	2510 q	17.7 +0	28.5	8.9	1 v
147 +0°	2511 q	17.7 +0	11.7	8.9	1
148 +0°	2509 q	17.2 +0	7.9	9.0	1 v
149 +0°	2508 q	17.0 +0	48.2	8.8	1 v
150 +0°	2505 q	15.0 +0	26.4	9.3	1 v
151 +0°	2500 q	13.5 +0	26.7	8.6	1 v
152 -0°	2178 q	12.6 -0	2.7	8.5	1 v
153 -0°	2186 q	16.1 -0	29.8	8.8	1 v
154 -0°	2199 q	20.7 -0	45.0	9.3	1 v
155 -0°	2200 q	20.8 -0	23.9	9.2	1 v
156 +0°	2520 q	20.2 +0	17.4	9.2	1 v
157 +0°	2522 q	21.4 +0	25.4	8.8	1 v
158 +0°	2525 q	22.5 +0	3.6	9.3	1 v
159 -0°	2207 q	22.8 -0	7.6	9.5	1 v
160 -0°	2208 q	23.8 -0	6.5	9.1	1 v
161 -0°	2213 q	25.4 -0	6.6	8.6	1 v
162 +0°	2531 q	27.2 +0	9.2	8.3	1 v

Thursday, January 1, 1914

B 19340 short

No.	Int.	Class	Remark
163	5	K <sub>2</sub>	
164	5	F <sub>5</sub>	
165	2	F <sub>5</sub>	
166	2.	G <sub>0</sub>	
167	2	F <sub>8</sub>	
168	1	G <sub>5</sub>	
169	1	K <sub>0</sub>	
170	4	F <sub>8</sub>	
171	4	K <sub>2</sub>	Σ.
172	4	F <sub>2</sub>	Σ.
173	5	G <sub>0</sub>	Σ.
174	4	K <sub>5</sub>	
175	4	K <sub>0</sub>	
176	4	G <sub>5</sub>	
177	3.	F <sub>8</sub>	
178	3.	G <sub>0</sub>	Σ.
179	3	K <sub>2</sub>	
180	3	K <sub>0</sub>	
10:30	181	2	K <sub>2</sub> Σ.
	182		
	183		
	184		

Cml. 135, 114



163 +0°	2532	q	28.2 +0	14.9	9.0	^v
164 +0°	2535	q	29.1 +0	13.6	9.3	^v
165 Approx 1855 pos.	9		27.8 +0	40		^v
166 +1°	2325	q	26.9 +1	2.3	9.0	^v
167 +1°	2320	q	25.2 +1	19.2	9.3	^v
168 +0°	2526	q	23.3 +0	56.7	9.2	^v
169 +0°	2527	q	23.7 +0	23.0	9.3	^v
170 -1°	2273	q	25.2 -1	11.5	9.0	^v
171 -1°	2274	q	25.6 -1	39.8	8.8	^v
172 -1°	2275	q	25.9 -1	40.7	9.0	^v
173 -1°	2276	q	26.3 -1	55.1	8.9	^v
174 -0°	2216	q	27.3 -0	45.3	8.8	^v
175 -0°	2220	q	28.5 -0	37.3	8.8	^v
176 -0°	2221	q	28.7 -0	57.9	8.9	^v
177 -1°	2284	q	29.8 -1	15.8	8.8	^v
178 -1°	2286	q	31.5 -1	27.1	9.0	^v
179 -0°	2233	q	33.0 -0	44.3	8.8	^v
180 +0°	2541	q	32.5 +0	2.4	9.0	^v
181 -1°	2281	q	28.0 -1	29.5	8.7	^v

Identified by AMC. Feb. 16, 1914  
 (checked March 18, 1914. JAW.)  
 Cards made out by G.E.S.  
 Cards checked by G.R.B.







10:32

Thursday, January 1, 1914

B 13393 short

9.7.7m. Rec. No. Int. Class Remark

✓ 1	2	F <sub>5</sub>
✓ 2	3	Q <sub>3</sub>
✓ 3	3	F <sub>8</sub>
✓ 4	6	F <sub>8</sub>
✓ 5	6	Q <sub>0</sub>
✓ 6	4	K <sub>0</sub>
✓ 7	5	K <sub>0</sub>
✓ 8	8	G <sub>0</sub>
✓ 9	10	F <sub>2</sub>
✓ 10	6	F <sub>8</sub>
✓ 11	2	K <sub>0</sub>
✓ 12	1	F <sub>8</sub>
✓ 13	2	F <sub>5</sub>
✓ 14	3	K <sub>2</sub>
✓ 15	9	Q <sub>0</sub>
✓ 16	3	F <sub>0</sub>
✓ 17	5	G <sub>0</sub>
✓ 18	7	Q <sub>2</sub>
✓ 19	3	K <sub>5</sub>
✓ 20	2	G <sub>0</sub>
✓ 21	3	G <sub>0</sub>
✓ 22	2	F <sub>2</sub>
✓ 23	3	G <sub>0</sub>
✓ 24	10	F <sub>5</sub>
✓ 25	2	K <sub>2</sub>
✓ 26	1	G <sub>5</sub>
✓ 27	1	K <sub>5</sub>



1	+4° 2239	9	37.8 +4	49	9.5	✓
2	+4° 2243	9	38.6 +4	39	9.0	✓
3	+4° 2241	9	38.4 +4	18	9.0	✓
4	+4° 2240	9	38.2 +4	13	8.2	✓
5	+4° 2242	9	38.6 +4	6	8.5	✓
6	+4° 2245	9	39.6 +4	5	8.8	✓
7	+2° 2248	9	39.4 +2	58	8.5	✓
8	+2° 2249	9	39.9 +2	59	8.2	✓
9	+2° 2246	9	38.9 +2	27	5.6	✓
10	+2° 2247	9	39.1 +2	23	8.0	✓
11	+3° 2268	9	41.3 +3	15	9.2	✓
12	+3° 2269	9	41.8 +3	3	9.4	✓
13	+3° 2270	9	42.2 +3	47	9.1	✓
14	+4° 2255	9	43.1 +4	2	8.7	✓
15	+4° 2258	9	44.0 +4	3	7.7	✓
16	+3° 2274	9	44.0 +3	50	9.0	✓
17	+3° 2277	9	44.6 +3	30	8.5	✓
18	+3° 2283	9	45.3 +3	39	8.6	✓
19	+3° 2279	9	44.7 +3	54	8.9	✓
20	+3° 2278	9	44.6 +3	51	9.2	✓
21	+4° 2259	9	45.1 +4	13	9.2	✓
22	Approx pos (rss)	9	44.7 +4	24		✓
23	+4° 2261	9	45.3 +4	34	9.2	✓
24	+5° 2240	9	43.0 +5	1	6.7	✓
25	+4° 2251	9	42.1 +4	46	9.0	✓
26	+4° 2250	9	40.9 +4	44	9.5	✓
27	+4° 2247	9	40.3 +4	53	9.0	✓

Thursday, January 1, 1914

B 13393 short

No.	Int.	Class	Remark
✓ 28	1	K <sub>2</sub>	
✓ 29	3	K <sub>2</sub>	
✓ 30	3	K <sub>2</sub>	
✓ 31	4	K <sub>0</sub>	
✓ 32	2	G <sub>5</sub>	
✓ 33	7	G <sub>2</sub>	
✓ 34	2	K <sub>0</sub>	Nearly all sup. on 30.
✓ 35	8	K <sub>5</sub>	
✓ 36	9	Ma	
✓ 37	7	G <sub>3</sub>	
✓ 38	6	F <sub>0</sub>	
✓ 39	6	Ma	
✓ 40	8	F <sub>5</sub>	
✓ 41	5	K <sub>0</sub>	
✓ 42	10	F <sub>5</sub>	
✓ 43	4	K <sub>0</sub>	
✓ 44	3	K <sub>2</sub>	
✓ 45	2	K <sub>2</sub>	
✓ 46	2	F <sub>8</sub>	
✓ 47	6	F <sub>8</sub>	
✓ 48	5	F <sub>5</sub>	
✓ 49	8	F <sub>0</sub>	
✓ 50	1	G <sub>0</sub>	
✓ 51	8	G <sub>0</sub>	
✓ 52	2	F <sub>8</sub>	
✓ 53	2	G <sub>0</sub>	
✓ 54	5	G <sub>5</sub>	



28	+4° 2248	9	40.4 +4 45	9.1	✓
29	+5° 2234	9	40.6 +5 38	8.6	✓
30	+5° 2239	9	42.7 +5 54	8.5	✓
31	+5° 2242	9	43.2 +5 40	8.5	✓
32	+5° 2244	9	44.9 +5 6	9.0	✓
33	+5° 2245	9	45.6 +5 13	8.3	✓
34	+5° 2248	9	46.5 +5 38	9.0	✓
35	+5° 2248	9	46.5 +5 38	7.4	✓
36	+6° 2224	9	46.1 +6 39	6.5	✓
37	+7° 2203	9	46.4 +7 38	8.5	✓
38	+5° 2259	9	49.9 +5 48	8.4	✓
39	+5° 2263	9	51.3 +5 29	7.9	✓
40	+5° 2267	9	52.1 +5 55	8.1	✓
41	+6° 2239	9	52.2 +6 18	8.3	✓
42	+4° 2269	9	49.3 +4 56	7.5	✓
43	+4° 2266	9	49.1 +4 44	8.2	✓
	+4° 2268	9	49.3 +4 39	8.5	
44	+4° 2266	9	49.1 +4 44	8.2	✓
45	+4° 2265	9	48.9 +4 28	9.0	✓
46	+4° 2264	9	48.6 +4 9	9.2	✓
47	+4° 2270	9	49.6 +4 2	8.3	✓
48	+4° 2263	9	47.2 +4 42	8.5	✓
49	+4° 2262	9	46.9 +4 1	8.2	✓
50	+3° 2289	9	48.0 +3 42	9.5	✓
51	+3° 2290	9	48.5 +3 29	8.5	✓
52	+3° 2291	9	48.6 +3 37	9.3	✓
53	+3° 2293	9	49.3 +3 36	9.2	✓
54	+2° 2271	9	49.9 +2 48	8.4	✓

Thursday, January 1, 1914

B 13393 short

No.	Int.	Class	Remark
✓ 55	2	A <sub>2</sub>	
✓ 56	2	G <sub>5</sub>	
✓ 57	1	F <sub>8</sub>	
✓ 58	2	K <sub>0</sub>	
✓ 59	4	K <sub>0</sub>	
✓ 60	1	G	
✓ 61	2	F <sub>8</sub>	
✓ 62	1	G <sub>0</sub>	
✓ 63	2	G <sub>0</sub>	
✓ 64	6	F <sub>5</sub>	
✓ 65	6	K <sub>0</sub>	
✓ 66	2	G <sub>0</sub>	
✓ 67	1	F <sub>5</sub>	
✓ 68	2	G <sub>0</sub>	
✓ 69	10+	A	Burned out
✓ 70	3	F <sub>2</sub>	
✓ 71	3	A <sub>2</sub>	
✓ 72	2	G <sub>5</sub>	
✓ 73	2	F <sub>5</sub>	
✓ 74	4	K <sub>0</sub>	
✓ 75	2	G <sub>5</sub>	
✓ 76	2	K <sub>0</sub>	
✓ 77	8	F <sub>8</sub>	
✓ 78	1	K <sub>0</sub>	
✓ 79	1	G	
✓ 80	4	F <sub>8</sub>	
✓ 81	5	M <sub>a</sub>	



55	<del>Alp</del> <sup>1855</sup> <del>1474</del> per	9	50.0	+2	12		✓
56	+2° 2270	9	49.7	+2	30	9.0	✓
57	+2° 2269	9	49.6	+2	27	9.2	✓
58	+2° 2272	9	50.1	+2	20	8.5	✓
59	+1° 2385	9	49.8	+1	35	8.5	✓
60	+2° 2268	9	49.3	+2	2	9.4	✓
61	+1° 2384	9	48.2	+1	52	9.0	✓
62	+2° 2251	9	41.2	+2	40	9.5	✓
63	+2° 2252	9	42.2	+2	29	9.2	✓
64	+2° 2253	9	42.5	+2	28	8.5	✓
65	+2° 2255	9	43.0	+2	30	8.2	✓
66	+2° 2256	9	43.6	+2	28	9.3	✓
67	+2° 2258	9	44.1	+2	20	9.4	✓
68	+3° 2273	9	43.8	+3	14	9.2	✓
69	+3° 2280	9	44.7	+3	8	6.0	✓
70	+2° 2262	9	44.9	+2	59	8.8	✓
71	+2° 2264	9	45.9	+2	44	9.3	✓
72	+2° 2266	9	47.0	+2	36	9.2	✓
73	+2° 2267	9	47.4	+2	34	9.3	✓
74	+1° 2373	9	45.6	+1	50	8.3	✓
75	+1° 2374	9	45.8	+1	39	8.9	✓
76	+1° 2375	9	45.9	+1	31	9.0	✓
77	+1° 2381	9	47.1	+1	38	7.4	✓
78	+1° 2380	9	47.1	+1	53	9.1	✓
79	+1° 2377	9	46.5	+1	59	9.4	✓
80	+1° 2379	9	47.0	+1	8	9.1	✓
81	+0° 2582	9	47.6	+0	30	8.2	✓

Thursday, January 1, 1914

B 13393 short

No.	Int.	Class	Remark
✓ 82	7	Q <sub>2</sub>	
✓ 83	5	K <sub>2</sub>	
✓ 84	10	K <sub>0</sub>	
✓ 85	3	K <sub>2</sub>	
✓ 86	6	Q <sub>2</sub>	
✓ 87	8	F <sub>5</sub>	
✓ 88	7	K <sub>0</sub>	
✓ 89	6	Q <sub>0</sub>	
✓ 90	3	F <sub>5</sub>	
91	2	K <sub>5</sub>	
✓ 92	2	Q <sub>2</sub> <sup>3</sup>	
✓ 93	6	F <sub>0</sub>	
✓ 94	8	K <sub>0</sub>	
✓ 95	5	Q <sub>3</sub>	
✓ 96	5	F <sub>5</sub>	
✓ 97	8	F <sub>8</sub>	
✓ 98	2	F <sub>8</sub>	
✓ 99	2	Q <sub>0</sub>	
10:47 ✓ 100	2	F <sub>8</sub>	
10:52 ✓ 101	2	Q <sub>0</sub>	
✓ 102	5	Q <sub>5</sub>	
✓ 103	2	F <sub>5</sub>	
✓ 104	6	K <sub>5</sub>	
✓ 105	5	K <sub>2</sub>	
✓ 106	3	Q <sub>5</sub>	
✓ 107	4	K <sub>0</sub>	
✓ 108	4	Q <sub>5</sub>	



82	+0° 2581	9	47.2 +0	16	8.2	✓
83	-0° 2263	9	46.0 -0	6	8.5	✓
84	+0° 2573	9	44.8 +0	45	7.0	✓
85	+0° 2569	9	43.9 +0	59	8.8	✓
86	+1° 2370	9	43.5 +1	29	8.5	✓
87	+0° 2566	9	42.8 +0	47	7.5	✓
88	+0° 2565	9	42.8 +0	26	7.7	✓
89	+0° 2568	9	43.7 +0	30	8.8	✓
89	+0° 2565	9	42.8 +0	26	7.7	✓
90	+0° 2571	9	44.3 +0	16	9.3	✓
91	+0° 2574	9	44.8 +0	30	9.0	
91	+0° 2582	9	47.6 +0	30	8.2	
92	+1° 2351	9	35.7 +1	10	9.4	
92	+1° 2352	9	36.2 +1	10	8.3	
93	+1° 2352	9	36.2 +1	10	8.3	
93	+1° 2352	9	36.3 +1	10	9.5	
94	+0° 2551	9	37.8 +0	12	7.7	✓
95	+0° 2552	9	38.3 +0	27	8.5	✓
96	+0° 2557	9	39.2 +0	3	8.7	✓
97	+0° 2558	9	39.6 +0	3	8.2	✓
98	+0° 2559	9	40.1 +0	33	9.0	✓
99	+1° 2363	9	41.4 +1	27	9.0	✓
100	+1° 2362	9	41.4 +1	20	9.1	✓
101	+1° 2366	9	42.2 +1	19	9.1	✓
102	+0° 2587	9	48.6 +0	39	8.8	✓
103	+0° 2585	9	48.4 +0	34	9.5	✓
104	+0° 2588	9	49.2 +0	13	8.3	✓
105	+0° 2590	9	50.0 +0	34	8.2	✓
106	+0° 2593	9	50.9 +0	16	9.1	✓
107	+1° 2386	9	51.4 +1	2	8.8	✓
108	+1° 2388	9	51.3 +1	11	8.8	✓

Thursday January 1, 1914

B 13393 short

No.	Int.	Class	Remark
✓ 109	3	F8	
✓ 110	2	G0	
✓ 111	4	F8	
✓ 112	2	K0	
✓ 113	1	K5	
✓ 114	2	G0	
✓ 115	6	A0	
✓ 116	9	A5	
✓ 117	3	F5	
✓ 118	2	F8	
✓ 119	1	F8	
✓ 120	3	F5	
✓ 121	4	F0	
✓ 122	6	F5	
✓ 123	2	F8	
✓ 124	4	F5	
✓ 125	2	K0	
✓ 126	2	K0	
✓ 127	3	A2	
✓ 128	4	K0	
✓ 129	2	K0	
✓ 130	8	A5	
✓ 131	6	A2	
✓ 132	2	K0	
✓ 133	1	G5	
134	3	K0	
✓ 135	5	A0	



109	+1° 2387	9	51.5 +1	42	9.0	✓
110	+2° 2273	9	<sup>2</sup> 50.0 + <sup>2</sup> 3	43	8.5	✓
111	+3° 2300	9	51.5 +3	6	8.8	✓
112	+3° 2297	9	50.9 +3	3	8.9	✓
113	+3° 2298	9	51.1 +3	12	9.3	✓
114	+3° 2295	9	49.7 + <sup>3</sup> 4	9	9.4	+3° 2294 9 49.7 +3 8 9.5 superposed.
115	+3° 2301	9	51.9 +3	39	9.0	✓
116	+4° 2276	9	52.2 +4	4	6.5	✓
117	+4° 2275	9	52.0 +4	33	9.0	✓
118	+4° 2274	9	51.5 +4	29	9.3	✓
119	+4° 2272	9	50.5 +4	28	9.5	✓
120	+4° 2271	9	50.2 +4	57	9.0	✓
121	+4° 2277	9	54.1 +4	57	9.0	✓
122	+4° 2279	9	54.7 +4	38	8.3	✓
123	+4° 2278	9	54.5 +4	35	8.7	✓
124	+4° 2281	9	55.1 +4	23	8.5	✓
125	+3° 2302	9	52.9 +3	48	9.0	✓
126	+3° 2306	9	53.7 +3	59	9.0	✓
127	+3° 2305	9	53.6 +3	13	9.4	-3° 2304 9 53.6 +3 8 9.5 superposed.
128	+2° 2276	9	54.2 +2	59	8.7	✓
129	+2° 2278	9	54.6 +2	34	9.0	✓
130	+2° 2279	9	55.0 +2	31	8.4	✓
131	+2° 2281	9	55.4 +2	11	8.6	✓
132	+1° 2392	9	54.2 +1	50	8.5	✓
133	+1° 2391	9	53.1 +1	32	9.1	✓
134	+0° 2600	9	53.2 +0	30	8.8	✓
135	-0° 2280	9	53.9 <sup>8</sup> -0	4	9.0	✓

Thursday, January 1, 1914

B 13393 short

	No.	Int.	Class	Remark
10:58	✓	136	9	Qo
		137		

137	1	17	0, 6, 10
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136 -0° 2281 9 54.2 -0 19 75

Identified on cards April 4, 1914

Identified here April 10 1914 G.W.

Identification compared cards + book by G.R.B.

137 -1 2312 <sup>(1900)</sup> 9 45.9 -1 33 8.9 .rev.

10:59

Thursday, January 1, 1914

B19341 short

No.	Int.	Class	Remark
✓ 1	8	G5	
✓ 2	10	F2	
✓ 3	6	A0	
✓ 4	5	F0	
✓ 5	7	F5	
✓ 6	2	K0	
✓ 7	2	G5	
✓ 8	3	A2	
✓ 9	4	K0	
✓ 10	4	G5	
✓ 11	8	G0	
✓ 12	5	G5	
✓ 13	2	A3	
✓ 14	10	F0	
15	1	K0	
✓ 16	1	K0	
✓ 17	5	F8	
✓ 18	3	A0	
✓ 19	1	K5	
✓ 20	6	G5	
✓ 21	5	F8	
✓ 22	3	F8	
✓ 23	1	F8	
✓ 24	1	G5	
✓ 25	3	A5	
✓ 26	2.	A5	
✓ 27	4	K0	



1	+4° 2283	9	56.1 +4	40	7.5	✓
2	+3° 2311	<del>10</del> <sup>9</sup>	56.6 +3	54	6.5	✓
3	+4° 2287	9	58.3 +4	6	8.1	✓
4	+4° 2288	9	58.6 +4	16	8.4	✓
5	+4° 2291	9	59.0 +4	12	8.1	✓
6	+4° 2292	9	59.6 +4	23	8.9	✓
7	+4° 2294	10	0.6 +4	2	9.0	✓
8	+4° 2295	10	1.1 +4	1	9.0	✓
9	+3° 2323	10	2.2 +3	32	8.5	✓
10	+3° 2324	10	2.3 +3	33	8.7	✓
11	+3° 2321	10	1.9 +3	5	7.7	✓
12	+3° 2322	10	2.1 +3	4	8.6	✓
13	+2° 2293	10	1.9 +2	39	9.0	✓
14	<del>+1° 2406</del>	<del>10</del>	<del>1.2 +1</del>	<del>52</del>	<del>7.0</del>	✓
15	+3° 2309	9	55.2 +3	13	8.9	✓
16	+3° 2308	9	55.2 +3	46	9.1	✓
17	+2° 2282	9	56.9 +2	46	8.8	✓
18	+2° 2280	9	55.3 +2	28	9.2	✓
19	+2° 2284	9	56.2 +2	48	9.1	✓
20	+3° 2314	9	58.7 +3	8	8.3	✓
21	+2° 2288	9	58.9 +2	44	8.8	✓
22	+3° 2315	9	58.9 +3	32	9.0	✓
23	+2° 2290	10	0.2 +2	36	9.0	✓
24	+2° 2291	10	0.6 +2	21	9.3	✓
25	+2° 2294	10	2.6 +2	10	9.3	✓
26	+2° 2295	10	2.9 +2	3	9.3	✓
27	+2° 2297	10	3.2 +2	40	8.7	✓

Thursday, January 1, 1914

B 19341 short

No.	Int.	Class	Remark
✓ 28	2	K <sub>0</sub>	
✓ 29	3	K <sub>0</sub>	
✓ 30	3	G <sub>0</sub>	
✓ 31	6	G <sub>0</sub>	
✓ 32	9	F <sub>0</sub>	
✓ 33	2	K <sub>2</sub>	
✓ 34	8	G <sub>0</sub>	
✓ 35	1	F <sub>8</sub>	
✓ 36	1	G	
✓ 37	3	K <sub>0</sub>	
✓ 38	5	G <sub>0</sub>	
✓ 39	7	K <sub>2</sub>	
✓ 40	2	F <sub>8</sub>	
✓ 41	4	F <sub>5</sub>	
✓ 42	7	K <sub>2</sub>	
✓ 43	3	F <sub>8</sub>	
✓ 44	4	G <sub>0</sub>	
✓ 45	1	G	
✓ 46	2	K <sub>5</sub>	
✓ 47	2	F <sub>8</sub>	
✓ 48	2	G <sub>5</sub>	
✓ 49	7	A <sub>2</sub>	
✓ 50	6	F <sub>5</sub>	
✓ 51	8	Ma	
11.05 ✓ 52	2	K <sub>0</sub>	
✓ 53	3	F <sub>8</sub>	
✓ 54	4	K <sub>0</sub>	

Fri. Jan. 2, 1914

9:51



28	+2° 2300	10	4.1	+2	56	9.0	✓
29	+3° 2330	10	4.9	+3	28	8.8	✓
30	+3° 2331	10	5.3	+3	50	8.7	✓
31	+3° 2333	10	5.5	+3	52	8.3	✓
32	+3° 2334	10	5.7	+3	47	7.5	✓
33	+3° 2336	10	6.1	+3	23	8.5	✓
34	+3° 2338	10	6.6	+3	52	7.8	✓
35	+3° 2339	10	6.8	+3	56	9.2	✓
36	+3° 2340	10	8.1	+3	4	9.3	✓
37	+3° 2342	10	9.1	+3	8	6.6	✓
38	+3° 23 <sup>4</sup> 4	10	9.5	+3	9	8.5	✓
39	+2° 2310	10	9.4	+2	32	8.0	✓
40	+2° 2309	10	7.5	+2	37	9.0	✓
41	+2° 2307	10	6.9	+2	10	8.9	✓
42	+1° 2418	10	7.6	+1	32	8.3	✓
43	+1° 2413	10	5.1	+1	36	9.0	✓
44	+1° 2412	10	5.0	+1	31	9.0	✓
45	+1° 2411	10	3.9	+1	57	9.5	✓
46	+1° 2410	10	3.4	+1	42	9.0	✓
47	+1° 2409	10	2.5	+1	18	9.0	✓
48	+1° 2408	10	1.6	+1	5	8.9	✓
49	+1° 2405	10	1.0	+1	19	8.2	✓
50	+1° 2404	10	0.4	+1	24	8.8	✓
51	+1° 2403	10	0.1	+1	37	7.5	✓
52	+1° 2401	9	59.6	+1	58	9.0	✓
53	+0° 2613	9	59.8	+0	57	9.0	✓
54	+0° 2614	10	0.0	+0	26	9.0	✓

superposed by another star which precedes and is fainter. Either star might be identified as the catalog (2nd) star.

Friday, January 2, 1914

B19341 sheet

No.	Int	Class	Remark
✓ 55	3	B <sub>9</sub>	Perhaps a trail of a very bright star.
✓ 56	6	F <sub>0</sub>	
✓ 57	9	K <sub>0</sub>	
✓ 58	3	G <sub>5</sub>	
✓ 59	1	F <sub>8</sub>	
✓ 60	1	F <sub>8</sub>	
✓ 61	1	G <sub>0</sub>	
✓ 62	1	G <sub>5</sub>	
✓ 63	1	K <sub>0</sub>	
✓ 64	2	F <sub>5</sub>	
✓ 65	2	G <sub>5</sub>	
✓ 66	1	K <sub>5</sub>	
✓ 67	3	A <sub>5</sub>	
✓ 68	5	F <sub>8</sub>	
✓ 69	8	F <sub>0</sub>	
✓ 70	1	F <sub>2</sub>	Another star sup. <sup>2</sup>
✓ 71	1	K <sub>2</sub>	
✓ 72	2	G <sub>5</sub>	
✓ 73	2	G <sub>5</sub>	Another star sup. on preceding side
✓ 74	1	F <sub>5</sub>	
✓ 75	1	A	Another star sup. at north.
✓ 76	5	K <sub>0</sub>	
✓ 77	4	K <sub>0</sub>	
✓ 78	1	K	
✓ 79	6	K <sub>2</sub>	
✓ 80	4	K <sub>0</sub>	
✓ 81	3	K <sub>0</sub>	



55	+0° 2615	10	0.5	+0	20	4.1	Trail	✓
56	+0° 2610	9	57.6	+0	13	8.5		✓
57	-0° 2285	9	53.4	-0	22	6.7		✓
58	+1° 2395	9	56.2	+1	41	8.9		✓
59	+1° 2394	9	55.3	+1	48	9.1		✓
60	+1° 2396	9	56.6	+1	16	9.2		✓
61	+0° 2608	9	56.8	+0	39	9.3		✓
62	+0° 2605	9	56.0	+0	21	9.3		✓
63	+0° 2616	10	1.1	+0	4	9.3		✓
64	+0° 2618	10	1.9	+0	28	9.3		✓
65	+0° 2621	10	2.6	+0	38	9.3		✓
66	+0° <sup>2622</sup> 2616	10	2.6	+0	56	9.3		✓
67	+0° 2625	10	1.1	+0	4	9.3		✓
68	+0° 2626	10	4.1	+0	24	9.4		✓
69	+0° 2626	10	4.6	+0	38	8.8		✓
69	+1° 2418	10	6.0	+1	9	8.2		✓
70	+1° 2415	10	6.2	+1	14	9.5	Star superposed on preceding side not in D.M. catalogue.	✓
71	+1° 2416	10	6.5	+1	12	9.5		✓
72	+1° 2417	10	6.7	+1	37	9.5		✓
73	+2° 2305	10	5.4	+2	41	9.0	Star superposed on preceding side not in D.M. catalogue.	✓
74	+2° 2302	10	5.1	+2	37	9.5		✓
75	Approx 1855 pos.	10	5.7	+3	4		D.M. +3° 2335 10 5.7 +3 4 magn 9.3 superposed.	✓
76	+4° 2306	10	8.7	+4	16	8.3		✓
77	+4° 2308	10	10.2	+4	11	8.8		✓
78	+3° 2346	10	10.9	+3	40	9.2		✓
79	+2° 2311	10	11.0	+2	17	8.0		✓
80	+2° 2313	10	11.7	+2	15	8.3		✓
81	+2° 2314	10	12.7	+2	11	8.9		✓

Friday January 2, 1914

B 19341 short

No.	Int.	Class	Remark
✓ 82	6	F <sub>2</sub>	
✓ 83	8	F <sub>0</sub>	
✓ 84	7	F <sub>5</sub>	
✓ 85	3	F <sub>2</sub>	
✓ 86	3	K <sub>2</sub>	
✓ 87	7	F <sub>2</sub>	
✓ 88	4	F <sub>2</sub>	
✓ 89	2	K <sub>5</sub>	
✓ 90	5	F <sub>0</sub>	
✓ 91	3	F <sub>2</sub>	
✓ 92	1	K <sub>5</sub>	
✓ 93	10+	B <sub>5</sub>	
✓ 94	1	K <sub>5</sub>	
✓ 95	5	K <sub>2</sub>	
✓ 96	2	K <sub>5</sub>	
✓ 97	2	K <sub>0</sub>	
✓ 98	1	K <sub>0</sub>	
✓ 99	8	F <sub>8</sub>	
✓ 100	1	Ina	
✓ 101	6	F <sub>2</sub>	
✓ 102	6	K <sub>5</sub>	
✓ 103	8	F <sub>5</sub>	
✓ 104	3	F <sub>5</sub>	
✓ 105	7	A <sub>3</sub>	
✓ 106	4	F <sub>8</sub>	
✓ 107	7	K <sub>2</sub>	
✓ 108	5	F <sub>8</sub>	

+7



82	$+1^{\circ} 2421$	10	11.4	+1	49	8.8	
	<del><math>+0^{\circ} 2641</math></del>	<del>10</del>	<del>12.2</del>	<del>+0</del>	<del>31</del>	<del>8.0</del>	✓
83	$+0^{\circ} 2641$	10	12.2	+0	31	8.0	✓
84	$+0^{\circ} 2642$	10	13.9	+0	31	8.0	✓
85	$+1^{\circ} 2424$	10	13.7	+1	19	9.0	✓
86	$+1^{\circ} 2426$	10	15.0	+1	<sup>17</sup> 16	8.7	✓
87	$+1^{\circ} 2428$	10	15.3	+1	54	8.5	✓
88	$+2^{\circ} 2318$	10	15.0	+2	11	8.6	✓
89	$+1^{\circ} 2425$	10	14.6	+1	54	8.9	✓
90	$+2^{\circ} 2319$	10	15.9	+2	59	8.2	✓
91	$+3^{\circ} 2355$	10	15.7	+3	21	8.5	✓
92	$+3^{\circ} 2354$	10	15.1	+3	31	9.0	✓
93	$+3^{\circ} 2352$	10	13.5	+3	1	6.3	✓
94	$+3^{\circ} 2351$	10	13.3	+3	5	9.0	✓
95	$+4^{\circ} 2313$	10	13.0	+4	21	8.5	✓
96	$+3^{\circ} 2348$	10	12.7	+3	56	9.2	✓
97	<sup>H</sup> $+3^{\circ} 2315$	10	13.3	+ <sup>H</sup> 3	34	9.0	✓
98	$+4^{\circ} 2316$	10	13.4	+4	42	8.8	✓
99	$+5^{\circ} 2321$	10	13.2	+5	23	7.9	✓
100	$+5^{\circ} 2322$	10	14.2	+5	2	9.0	✓
101	$+4^{\circ} 2322$	10	15.6	+4	23	8.5	✓
102	$-0^{\circ} 2301$	10	2.0	-0	58	7.9	✓
103	$-1^{\circ} 2356$	10	<sup>7</sup> 3.7	-1	43	7.8	✓
104	$-1^{\circ} 2359$	10	4.2	-1	1	8.6	✓
105	$-0^{\circ} 2305$	10	4.9	-0	33	8.5	✓
106	$-0^{\circ} 2308$	10	6.0	-0	13	8.3	✓
107	$-0^{\circ} 2312$	10	7.2	-0	24	8.2	✓
108	$+0^{\circ} 2633$	10	7.4	+0	26	8.8	✓

Friday, January 2, 1914

B19341 short.

No	Int.	Class	Remarks
✓ 109	2	F <sub>5</sub>	
✓ 110	2	F <sub>8</sub>	
✓ 111	6	K <sub>5</sub>	
10:03 ✓ 112	8	F <sub>2</sub>	
113			
114			
115			
116			



109	$+0^{\circ}$	2632	10	6.9	$+0$	22	9.5	✓
110	$+0^{\circ}$	2630	10	6.8	$+0$	10	9.3	✓
111	$-0^{\circ}$	2316	10	8.8	$-0$	52	8.5	✓
112	$-0^{\circ}$	2319	10	10.9	$-0$	31	8.2	✓

113

Identified on cards by Amc. April 30, 1914

114

Identified here May 6, 1914 (D.W.)

115

Identification compared cards &amp; Book by G.R.B.

116







10:08

Friday, January 2, 1914

B22970 short

9.7.7m. Rec.	No.	Int.	Class	Remark
✓ 1	6		F <sub>5</sub>	
✓ 2	3		G <sub>5</sub>	
✓ 3	5		F <sub>5</sub>	
✓ 4	6		F <sub>8</sub>	
✓ 5	1		F <sub>8</sub>	
✓ 6	2		F <sub>5</sub>	
✓ 7	1		H <sub>0</sub>	
✓ 8	2		F <sub>8</sub>	
✓ 9	1		G <sub>0</sub>	
✓ 10	3		F <sub>0</sub>	
✓ 11	2		F <sub>0</sub>	
✓ 12	7		H <sub>0</sub>	
✓ 13	3		H <sub>0</sub>	
✓ 14	1		H <sub>2</sub>	
✓ 15	7		H <sub>2</sub>	
✓ 16	3		F <sub>2</sub>	
✓ 17	2		G <sub>5</sub>	
✓ 18	5		F <sub>2</sub>	
✓ 19	3		H <sub>5</sub>	
✓ 20	7		B <sub>5</sub>	
✓ 21	2		H <sub>0</sub>	
✓ 22	5		H <sub>0</sub>	
✓ 23	1		G <sub>5</sub>	
✓ 24	5		F <sub>2</sub>	
✓ 25	8		F <sub>2</sub>	
✓ 26	5		H <sub>2</sub>	
✓ 27	3		G <sub>5</sub>	



1	-1° 2299	9	38.4	-1	14	8.0	✓
2	-1° 2302	9	39.5	-1	14	8.2	✓
3	-0° 2247	9	40.0	-0	20	8.3	✓
4	-0° 2250 44	9	41.2	-0	9	8.3	✓
5	-0° 2251	9	41.6	-0	21	9.0	✓
6	-0° 2248	9	40.6	-0	33	9.0	✓
7	-0° 2252	9	42.1	-0	11	9.0	✓
8	+0° 2564	9	42.2	+0	22	8.8	✓
9	-0° 2246	9	39.4	-0	38	9.0	✓
10	-0° 2249	9	41.0	-0	57	9.0	✓
11	-0° 2253	9	42.7	-0	23	9.3	✓
12	-0° 2256	9	43.0	-0	45	8.0	✓
13	-0° 2258 <del>2972</del>	9	43.3	-0	30	8.8	✓
14	-0° 2257	9	43.3	-0	7	9.3	✓
15	-1° 2314	9	43.9	-1	10	9.3	✓
16	-1° 2309	9	43.0	-1	21	8.8	✓
17	-1° 2307	9	42.8	-1	28	8.8	✓
18	-1° 2306	9	42.6	-1	36	8.8	✓
19	-1° 2310	9	43.3	-1	30	8.7	✓
20	-2° 2986	9	41.4	-2	2	8.4	✓
21	-1° 2303	9	40.0	-1	59	8.5	✓
22	-1° 2300	9	38.7	-1	56	8.3	✓
23	-2° 2969	9	38.5	-2	23	8.8	✓
24	-2° 2970	9	38.6	-2	26	8.3	✓
25	-2° 2977	9	39.4	-2	32	7.5	✓
26	-2° 2979	9	39.6	-2	42	8.2	✓
27	-2° 2976	9	39.4	-2	52	8.6	✓

Friday, January 2, 1914

B22970 short

No.	Int.	Class	Remark
✓ 28	1	G <sub>0</sub>	
✓ 29	2	A <sub>0</sub>	
✓ 30	3	K <sub>0</sub>	
✓ 31	2	K <sub>5</sub>	
✓ 32	1	K <sub>0</sub>	
✓ 33	2	K <sub>5</sub>	
✓ 34	2	Ma	
✓ 35	2	G <sub>5</sub>	
✓ 36	4	K <sub>0</sub>	
✓ 37	10	A <sub>2</sub>	
✓ 38	1	G <sub>5</sub>	
✓ 39	1	A <sub>2</sub>	
✓ 40	2	F <sub>5</sub>	
✓ 41	4	K <sub>5</sub>	
✓ 42	2	F <sub>5</sub>	
✓ 43	4	K <sub>2</sub>	
✓ 44	2	F <sub>8</sub>	
✓ 45	1	G <sub>5</sub>	
✓ 46	8	B <sub>9</sub>	
✓ 47	6	K <sub>0</sub>	
✓ 48	1	K <sub>2</sub>	
✓ 49	2	K <sub>0</sub>	
✓ 50	1	K <sub>0</sub>	
✓ 51	3	K <sub>2</sub>	
✓ 52	6	B <sub>8</sub>	
✓ 53	2	G <sub>5</sub>	
✓ 54	5	K <sub>0</sub>	



28	-3° 2770	9	39.5 -3	20	9.2	✓
29	-3° 2772	9	39.7 -3	16	9.0	✓
30	-3° 2777 <sup>71</sup>	9	39.5 -3	38	8.0	✓
31	-3° 2773	9	39.8 -3	49	8.5	✓
32	-3° 2780	9	40.9 -3	47	9.0	✓
33	-3° 2782	9	41.1 -3	44	8.7	✓
34	-4° 2728	9	41.8 -4	12	8.2	✓
35	-4° 2729	9	42.1 -4	13	8.6	✓
36	-4° 2717	9	39.5 -4	33	8.3	✓
37	-3° 2794	9	43.9 -3	34	6.1	✓
38	-3° 2795	9	44.2 -3	26	9.0	✓
39	-3° 2798	9	44.6 -3	57	9.3	✓
40	-3° 2797	9	44.4 -3	48	8.8	✓
41	-4° 2742	9	44.2 -4	17	8.3	✓
42	-4° 2747	9	45.4 -4	11	8.5	✓
43	-3° 2806	9	47.2 -3	45	8.5	✓
44	-3° 2807	9	47.4 -3	18	9.0	✓
45	-3° 2803 <sup>2</sup>	9	46.6 -3	20	9.1	✓
46	-3° 2802	9	46.4 -3	11	7.3	✓
47	-1° 2819	9	47.2 -1	56	8.3	✓
48	-2° 3003	9	46.3 -2	8	8.8	✓
49	-2° 2995	9	45.1 -2	19	8.8	✓
50	-2° 2993	9	44.3 -2	12	8.9	✓
51	-0° 2264	9	46.2 -0	56	8.6	✓
52	-0° 2266	9	47.1 -0	35	8.3	✓
53	-0° 2268	9	47.7 -0	42	8.8	✓
54	-0° 2270	9	48.2 -0	26	8.2	✓

Friday, January 2, 1914

B 22970 short

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



55	-0° 2272	9	49.7	-0	40	8.8	✓
56	-1° 2325	9	49.4	-1	12	8.9	✓
57	-1° 2324	9	49.4	-1	36	8.3	✓
58	-1° 2329	9	50.4	-1	15	7.3	✓
59	-1° 2330	9	50.4	-1	16	8.7	✓
60	-2° 3024	9	51.7	-2	19	7.0	✓
61	-2° 3028	9	52.0	-2	23	7.5	✓
62	-2° 3022	9	51.2	-2	57	8.3	✓
63	-2° 3023	9	51.6	-2	52	8.5	✓
64	-2° 3030	9	52.6	-2	46	8.5	✓
65	-2° 3032	9	53.7	-2	30	6.8	✓
66	-2° 3036	9	54.2	-2	12	8.8	✓
67	-1° 2338	9	54.5	-1	35	8.7	✓
68	-1° 2340	9	55.1	-1	26	8.7	✓
69	-1° 2337	9	54.8	-1	17	9.0	✓
70	-0° 2282	9	54.8	-0	45	9.5	✓
	<del>-0° 2277</del>	<del>9</del>	<del>52.9</del>	<del>-0</del>	<del>22</del>	<del>9.0</del>	✓
71	-0° 2278	9	53.1	-0	33	9.0	✓
72	-0° 2277	9	52.9	-0	22	9.0	✓
73	-1° 2332	9	52.0	-1	15	9.0	✓
74	-0° 2275	9	52.3	-0	54	9.0	✓
75	-0° 2289	9	56.9	-0	60	8.5	✓
76	-0° 2291	9	57.4	-0	39	9.0	✓
77	-0° 2294	9	58.9	-0	47	9.0	✓
78	-1° 2344	9	59.2	-1	7	9.0	✓
79	-1° 2347	9	59.5	-1	1	8.4	✓
80	-1° 2346	9	59.4	-1	41	8.5	✓
81	-1° 2352	10	0.6	-1	50	8.6	✓

Friday, January 2, 1914

B22970 short

No.	Int.	Class	Remark
✓ 82	9	A <sub>0</sub>	
✓ 83	6	K <sub>2</sub>	
✓ 84	6	K <sub>5</sub>	
✓ 85	5	K <sub>0</sub>	
✓ 86	3	F <sub>8</sub>	
✓ 87	1	K <sub>2</sub>	
✓ 88	1	K <sub>5</sub>	
✓ 89	3	F <sub>8</sub>	
✓ 90	3	K <sub>2</sub>	
✓ 91	4	A <sub>3</sub>	
✓ 92	6	A <sub>5</sub>	
✓ 93	4	F <sub>5</sub>	
✓ 94	3	F <sub>0</sub>	
✓ 95	1	K <sub>5</sub>	
✓ 96	4	K <sub>2</sub>	
✓ 97	4	F <sub>2</sub>	
✓ 98	3	A <sub>5</sub>	
✓ 99	5	F <sub>5</sub>	
✓ 100	3	F <sub>8</sub>	
✓ 101	7	K <sub>2</sub>	
✓ 102	5	K <sub>5</sub>	
✓ 103	5	K <sub>5</sub>	
✓ 104	3	K <sub>5</sub>	
✓ 105	3	F <sub>8</sub>	
✓ 106	2	A <sub>0</sub>	
✓ 107	5	K <sub>2</sub>	
✓ 108	6	F <sub>2</sub>	



82	-2° 3067	9	59.6 -2	35	7.6	✓
83	-2° 3053	9	58.0 -2	40	7.4	✓
84	-2° 3052	9	57.9 -2	49	7.0	✓
85	-2° 3045	9	56.3 -2	47	7.8	✓
86	-2° 3044	9	56.3 -2	4	8.8	✓
87	-2° 3048	9	57.3 -2	0	8.5	✓
88	-2° 3042	9	55.6 -2	19	9.1	✓
89	-2° 3039	9	54.7 -2	53	8.8	✓
90	-3° 2839	9	54.5 -3	14	9.0	✓
91	-3° 2832	9	54.0 -3	9	9.1	✓
92	-3° 2831	9	53.6 -3	34	8.6	✓
93	-3° 2830	9	53.6 -3	40	9.1	✓
94	-3° 2828	9	<sup>53.0</sup> <del>52.9</del> -3	34	9.0	✓
95	-3° 2825	9	51.7 -3	46	9.0	✓
96	-3° 2824	9	51.4 -3	29	8.2	✓
97	-3° 2820	9	50.1 -3	14	9.0	✓
98	-3° 2819	9	49.9 -3	32	8.6	✓
99	-3° 2817	9	49.1 -3	9	8.4	✓
100	-3° 2815	9	48.8 -3	8	8.3	✓
101	-4° 2775	9	52.8 -4	19	7.7	✓
102	-4° 2780	9	54.5 -4	26	8.2	✓
103	-4° 2784	9	53.7 -4	55	7.3	✓
104	-5° 2977	9	55.6 -5	14	8.8	✓
105	-4° 2791	9	57.6 -4	36	8.7	✓
106	-4° 2798	9	58.6 -4	43	9.0	✓
107	-4° 2802	9	59.8 -4	52	8.2	✓
108	-3° 2856 <sup>10</sup>	9	1.2 -3	26	8.2	✓

Friday, January 2, 1914

B 22970 short

	No.	Int.	Class	Remark
	✓ 109	3	K5	
	✓ 110	6	K0	
	✓ 111	3	K5	
	✓ 112	1	G5	Another star sep. at south?
	✓ 113	1	K2	
	✓ 114	1	K2	
	✓ 115	1	K5	
	✓ 116	1	K2	
10:26	✓ 117	2	F2	
10:36	✓ 118	7	A2	
	✓ 119	4	A5	
	✓ 120	4	K5	
	✓ 121	3	K5	Perhaps Tra Focus pos.
	✓ 122	3	G0	
	✓ 123	1	K0	
	✓ 124	2	K0	
	✓ 125	5	F5	
	✓ 126	2	A0	
	✓ 127	3	K0	
	✓ 128	2	G5	
	✓ 129	3	K5	
	✓ 130	2	K5	
	✓ 131	2	F5	Σ.
10:42	✓ 132	2	F2	Σ.
	133			
	134			



109	-3° 2860	<sup>10</sup> 9	<del>10</del> 2.2	-3	14	8.2	✓
110	-2° 3069	10	1.2	-2	46	7.5	✓
111	-3° 2840	9	54.6	-3	40	8.5	✓
112	-4° 2789	9	57.0	-4	16	9.2	✓
						-4° 2788 9 56.9-4 19 9.2 superposed.	
113	-5° 2972	9	54.6	-5	1	8.8	✓
114	-4° 2776	9	52.9	-4	36	9.0	✓
115	-4° 2771	9	52.1	-4	43	8.9	✓
116	-4° 2774	9	52.6	-4	57	9.2	✓
117	-3° 2785	9	42.2	-3	14	9.0	✓
118	-3° 2759	9	37.2	-3	60	7.5	✓
119	-3° 2750	9	35.1	-3	26	8.5	✓
120	-3° 2748	9	34.8	-3	21	8.2	✓
121	-3° 2744	9	34.3	-3	37	8.0	✓
122	-2° 2962	9	36.3	-2	42	8.5	✓
123	-2° 2964	9	37.1	-2	33	8.8	✓
124	-1° 2294	9	35.5	-1	35	8.7	✓
125	-1° 2292	9	34.6	-1	5	9.0	✓
126	+0° 2548	9	36.9	+0	22	9.0	✓
127	+0° 2547	9	36.6	+0	14	9.0	✓
128	-0° 2242	9	37.5	-0	7	9.0	✓
129	-2° 2948	9	32.0	-2	1	8.3	✓
130	-3° 2741	9	32.7	-3	4	8.3	✓
131	-5° 2858	9	32.0	-5	4	8.5	✓
132	-5° 2861	9	<sup>32.7</sup> 32.7	<sup>-5</sup> -5	<sup>10</sup> 10	<sup>8.8</sup> 8.8	✓

Identified on cards by Am.C. May 22, 1914  
 Identified here May 30 1914 D.W.  
 Identification compared cards + book by E.R.B.

No.	Int.	Class	Remark
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1











Friday January 2, 1914

11.45

B22652 phot.

No.	Int.	class	Remark
1	1	A2	
2	2	A5	Another star super. at north-
3	2	K2	
4	4	F0	
5	1	K0	
6	3	K2	
7	2	B5	
8	1	K2	
9	2	F8	
10	4	A2	
11	7	K0	
12	2	A2	
13	6	K2	
14	9	A2	
15	4	A0	
16	4	K0	
17	5	F2	
18	9	A2	
19	7	K0	
20	6	A0	
21	10+	B9	
22	2	K5	
23	2	B5	
24	3	K5	
25	1	K0	
26	2	F8	
27	1	F8	



1-0°	2079	8	44.4	- 0	29.3	9.0	✓
2-0°	2086	8	46.4	- 0	2.0	8.4	70° 2414 <sup>magn. 8.7</sup> Superposed
3-0°	2087	8	46.6	- 0	4.0	8.2	✓
4-0°	2088	8	47.3	- 0	9.8	8.4	✓
5-0°	2089	8	47.5	- 0	25.3	8.7	✓
6-0°	2095	8	50.1	- 0	34.0	8.2	✓
7-0°	2094	8	49.8	- 0	47.7	8.5	✓
8-0°	2089	8	51.1	- 0	40.8	8.7	✓
9-1°	2161	8	48.3	- 1	27.1	8.8	✓
10-1°	2163	8	49.3	- 1	49.3	8.5	✓
11-2°	2737	8	48.3	- 2	14.2	7.0	✓
12-2°	2734	8	48.0	- 2	11.7	9.1	✓
13-2°	2735	8	48.1	- 2	35.7	6.9	✓
14-3°	2506	8	47.7	- 3	0.4	6.6	✓
15-3°	2509	8	47.8	- 3	21.8	8.2	✓
16-2°	2714	8	44.3	- 2	44.4	8.1	✓
17-4°	2474	8	44.4	- 4	7.4	8.1	✓
18-4°	2469	8	43.4	- 4	9.6	7.1	✓
19-3°	2486	8	43.1	- 3	39.5	7.0	✓
20-3°	2476	8	40.5	- 3	30.5	8.2	✓
21-2°	2699	8	42.1	- 2	54.6	5.7	✓
22-2°	2702	8	42.5	- 2	38.2	8.5	✓
23-2°	2696	8	41.8	- 2	35.3	9.0	✓
24-2°	2706	8	42.9	- 2	12.1	8.1	✓
25-2°	2707	8	43.3	- 2	18.7	8.9	✓
26-1°	2154	8	46.8	- 1	55.6	8.8	✓
27-1°	2147	8	44.0	- 1	2.9	8.7	✓

Friday January 2, 1914

11.50

✓ B22652 short

No.	Int.	class	Remark
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28	2	Ao	
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29			
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30	4	F5	
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31	4	F10	
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28-1°      2139 8      42.2 -1      15.6      9.0 1✓

Identified by Amc. Jan. 15, 1914  
 Checked Feb. March 5, 1914 B.W.

Cards made out by G.R.B.

Cards checked by G.B.S.

✓      30 - 0      2103      8      51.7 - 0      14      ~~8.2~~<sup>8.0</sup>      78 in J32654  
 ✓      31 - 0      2096      8      50.1 - 0      6      81.0      77 " "

10.25

Saturday, ~~January~~ 31, 1914

P 377.25 long

G.F.M. Rec. No. Int. Class Remarks

✓	1	1	G <sub>5</sub>	
✓	2	1	F <sub>0</sub>	
✓	3	4	Q <sub>2</sub>	
✓	4	1	K <sub>0</sub>	
✓	5	<del>5</del>	F <sub>2</sub>	
✓	6	2	Q <sub>3</sub>	
✓	7	2	K <sub>0</sub>	
✓	8	4	K <sub>0</sub>	
✓	9	7	K <sub>0</sub>	
✓	10	9	K <sub>0</sub>	
✓	11	1	K <sub>5</sub>	
✓	12	1	K <sub>0</sub>	
✓	13	1	K <sub>0</sub>	
✓	14	2	G <sub>5</sub>	
✓	15	2	Q <sub>5</sub>	
✓	16	1	K <sub>0</sub>	
✓	17	7	K <sub>0</sub>	
✓	18	2	K <sub>0</sub>	
✓	19	3	Q <sub>5</sub>	
✓	20	4	K <sub>0</sub>	
✓	21	1	K <sub>0</sub>	
✓	22	1	K <sub>2</sub>	
✓	23	9	F <sub>2</sub>	
✓	24	7	ma	
✓	25	3	mb	
✓	26	3	G <sub>5</sub>	
✓	27	2	F <sub>5</sub>	



1	+57° 1275	10	24.6 +57	11	9.0	✓
2	+56° 1263	10	24.8 +56	42	9.0	✓
3	+57° 1270	10	18.1 +57	37	8.6	✓
4	+58° 1257	10	18.6 +58	23	8.9	✓
5	+59° 1306	10	13.9 +59	9	7.9	✓
6	+59° 1308	10	14.6 +59	15	9.2	✓
7	+59° 1309	10	16.3 +59	21	7.8	✓
8	+60° 1261	10	16.4 +60	1	7.5	✓
9	+59° 1310	10	16.8 +59	53	7.4	✓
10	+60° 1263	10	18.1 +60	19	6.5	✓
11	+60° 1266	10	21.3 +60	30	8.5	✓
12	+60° 1265	10	19.9 +60	48	8.3	✓
13	+62° 1131	10	19.4 +62	7	8.7	✓
14	+62° 1134	10	22.2 +62	30	8.9	✓
15	+61° 1189	10	16.4 +61	5	8.7	✓
16	+61° 1190	10	17.1 +61	34	9.0	✓
17	+61° 1183	10	11.8 +61	37	7.3	✓
18	+62° 1121	10	12.4 +62	8	8.6	✓
	<del>1119</del>	<del>10</del>	<del>10.5 +62</del>	<del>6</del>	<del>7.2</del>	
19	+62° 1129	10	16.0 +62	51	8.5	✓
20	+63° 901	10	18.3 +63	38	7.5	✓
21	+61° 1178	10	7.1 +61	59	8.8	✓
22	+61° 1179	10	7.9 +61	32	8.8	✓
23	+60° 1250	10	6.0 +60	52	6.7	✓
24	+60° 1246	10	5.1 +60	42	Varr.	✓
25	+60° 1245	10	4.4 +60	6	7.7	✓
26	+60° 1248	10	5.9 +60	4	8.2	✓
27	+60° 1251	10	6.7 +60	6	8.5	✓

Saturday, January 31, 1914

I 37725 long

No.	Int.	Class	Remark
✓ 28	2	G	Lines very hazy. Two stars?
✓ 29	2	K <sub>0</sub>	
✓ 30	1	G <sub>5</sub>	
✓ 31	2	G <sub>5</sub>	
✓ 32	1	G <sub>5</sub>	
✓ 33	1	K <sub>0</sub>	
✓ 34	2	K <sub>0</sub>	
✓ 35	2	G <sub>5</sub>	
✓ 36	1	G <sub>5</sub>	
✓ 37	2	G <sub>5</sub>	
✓ 38	3	F <sub>5</sub>	
✓ 39	4	F <sub>8</sub>	
✓ 40	2	K <sub>0</sub>	
✓ 41	1	K <sub>0</sub>	
✓ 42	3	K <sub>2</sub>	
✓ 43	3	K <sub>2</sub>	
✓ 44	4	F <sub>8</sub>	
✓ 45	2	A <sub>0</sub>	
✓ 46	1	G	
✓ 47	1	K <sub>5</sub>	
✓ 48	2	K <sub>0</sub>	
✓ 49	1	G <sub>5</sub>	
✓ 50	2	F <sub>8</sub>	
✓ 51	4	G <sub>5</sub>	
✓ 52	1	K <sub>2</sub>	
✓ 53	2	G <sub>5</sub>	
✓ 54	7	A <sub>3</sub>	



28	+59° 1299	10	11.0	+59	20	8.7	Two stars (see chart plate I8424) only one in 2nd set	✓
29	+59° 1300	10	11.2	+59	46	8.2		✓
30	+60° 1254	10	11.9	+60	2	9.0		✓
31	+60° 1255	10	12.1	+60	17	8.6		✓
32	+60° 1257	10	12.6	+60	17	8.8		✓
33	+60° 1259	10	15.6	+60	0	9.0		✓
34	+58° 1252	10	12.6	+58	51	8.5		✓
35	+58° 1250	10	11.7	+58	9	9.0		✓
36	+58° 1254	10	14.2	+58	32	9.1		✓
37	+58° 1245	10	6.9	+58	21	9.0		✓
38	+57° 1260	10	7.1	+57	38	8.5		✓
39	+57° 1259	10	6.7	+57	29	8.2		✓
40	+57° 1258	10	6.5	+57	15	8.4		✓
41	+59° 1293	10	2.7	+59	17	8.5		✓
42	+59° 1291	10	0.6	+59	20	8.3		✓
43	+61° 1171	10	3.7	+61	20	8.0		✓
44	+61° 1170	10	2.5	+61	12	7.8		✓
45	+62° 1111	10	1.4	+62	29	9.2		✓
46	+62° 1116	10	4.8	+62	40	9.1		✓
47	+62° 1108	10	0.1	+62	10	8.6		✓
48	+61° 1166	9	57.8	+61	39	8.9		✓
49	+60° 1240	9	58.6	+60	53	8.7		✓
50	+60° 1239	9	58.2	+60	41	9.1		✓
51	+60° 1238	9	57.2	+60	28	8.2		✓
52	+60° 1237	9	55.8	+60	58	8.5		✓
53	+60° 1236	9	55.2	+60	39	9.0		✓
54	+60° 1234	9	54.4	+60	42	8.0		✓

Saturday, January 31, 1914

F 37725 long

No.	Int.	Class	Remark
✓ 55	5	K <sub>5</sub>	
✓ 56	3	K <sub>0</sub>	
✓ 57	4	K <sub>0</sub>	
✓ 58	2	K <sub>0</sub>	
✓ 59	1	K <sub>5</sub>	Σ.
✓ 60	2	K <sub>8</sub>	
✓ 61	3	K <sub>0</sub>	Σ.
✓ 62	3	K <sub>2</sub>	Σ.
✓ 63	2	K <sub>5</sub>	
10.35 ✓ 64	1	K <sub>2</sub>	
65			
66			
67			
65	5	K <sub>5</sub>	



55	+60° 1233	9	53.6 +60	34	8.3	✓
56	+59° 1284	9	54.2 +59	54	8.3	✓
57	+60° 1228	9	52.0 +60	52	8.6	✓
58	+61° 1158	9	52.8 +61	37	8.5	✓
59	+61° 1156	9	51.8 +61	39	8.8	✓
60	+61° 1160	9	55.0 +61	52	8.8	✓
61	+62° 1094	9	50.4 +62	18	8.3	✓
62	+63° 872	9	47.1 +63	9	8.2	✓
63	+57° 1249	9	57.7 +57	58	8.8	Not marked on plate?
64	+58° 1239	9	58.4 +58	58	8.9	✓

Identified on cards by Amc. June 5, 1914

Identified here June 25 1914 V.D.W.

Identification compared cards and Pool, By G.R.B.  
36 on J38654

✓ 65 +61 1165

10.37

Saturday, January 31, 1914

I 38224 long

No.	Int.	Class	Remark
✓ 1	3	F <sub>8</sub>	
✓ 2	3	A <sub>2</sub>	
✓ 3	3	K <sub>0</sub>	
✓ 4	3	F <sub>8</sub>	
✓ 5	2	K <sub>0</sub>	
✓ 6	6	K <sub>0</sub>	
✓ 7	3	G <sub>0</sub>	
✓ 8	6	K <sub>2</sub>	
✓ 9	3	K <sub>2</sub>	
✓ 10	3	F <sub>8</sub>	
✓ 11	1	G <sub>5</sub>	
✓ 12	6	K <sub>2</sub>	
✓ 13	3	F <sub>0</sub>	
✓ 14	2	K <sub>0</sub>	
15	2	A <sub>0</sub>	
16	1	G <sub>5</sub>	
✓ 17	1	K <sub>0</sub>	
✓ 18	2	F <sub>8</sub>	
✓ 19	3	G <sub>0</sub>	
✓ 20	1	K <sub>2</sub>	
✓ 21	2	K <sub>0</sub>	
✓ 22	1	K <sub>0</sub>	
✓ 23	2	K <sub>0</sub>	
✓ 24	4	Ma	
✓ 25	3	F <sub>8</sub>	
✓ 26	4	K <sub>0</sub>	
10.41 ✓ 27	3	K <sub>0</sub>	



1	+61°	1134	9	25.0	+61	52.3	8.0	✓
2	+62°	1081	9	29.3	+62	36.0	8.2	✓
3	+61°	1136	9	28.9	+61	21.4	8.5	✓
4	+ <sup>6</sup> <sub>41</sub> °	1137	9	29.5	+61	8.6	8.6	✓
5	+ <sup>6</sup> <sub>41</sub> °	1142	9	37.0	+61	4.4	8.8	✓
6	+60°	1209	9	38.2	+60	46.0	7.4	✓
7	+61°	1146	9	40.6	+61	17.5	8.3	✓
8	+60°	1216	9	43.8	+60	35.6	7.0	✓
9	+60°	1221	9	46.0	+60	7.6	8.0	✓
10	+60°	1222	9	47.6	+60	57.6	8.6	✓
11	+60°	1223	9	48.5	+60	46.8	9.1	✓
12	+59°	1274	9	48.3	+59	38.7	7.1	✓
13	+59°	1276	9	48.9	+59	51.5	8.2	✓
14	+59°	<sup>17</sup> 1235	9	48.8	+59	26.8	8.0	✓
15	+58°	1234	9	54.6	+58	31.9	9.1	✓
16	+58°	1237	9	55.9	+58	12.2	9.3	✓
17	+59°	1286	9	57.2	+59	49.7	9.0	✓
18	+61°	1170	<sup>10</sup> <del>9</del>	<sup>2.5</sup> <del>7.0</del>	+61	13.0	7.8	✓
19	+60°	1192	9	18.6	+60	28.2	8.4	✓
20	+60°	1193	9	20.0	+60	32.1	9.0	✓
21	+60°	1194	9	22.7	+60	26.2	8.8	✓
22	+60°	1195	9	23.5	+60	57.9	8.9	✓
23	+59°	1246	9	26.9	+59	10.4	8.7	✓
24	+59°	1249	9	28.4	+59	11.4	7.3	✓
25	+59°	1251	9	29.0	+59	30.6	8.2	✓
26	+59°	1253	9	30.4	+59	13.8	7.7	✓
27	+58°	1206	9	28.9	+58	31.1	8.6	✓

9.37

Monday, February 2, 1914

I 38224 long

No.	Int.	Class	Remark
✓ 28	1	K <sub>0</sub>	
✓ 29	8	Q <sub>2</sub>	
✓ 30	1	K <sub>0</sub>	
✓ 31	3	F <sub>8</sub>	
✓ 32	1	F <sub>2</sub>	
✓ 33	1	G <sub>5</sub>	
✓ 34	2	K <sub>2</sub>	
✓ 35	1	K <sub>0</sub>	
✓ 36	3	K <sub>0</sub>	
✓ 37	4	F <sub>8</sub>	
✓ 38	1	G <sub>5</sub>	
✓ 39	1	Q <sub>2</sub>	
✓ 40	2	K <sub>0</sub>	
✓ 41	1	K <sub>2</sub>	
✓ 42	2	K <sub>2</sub>	
✓ 43	3	K <sub>0</sub>	
✓ 44	2	Q <sub>3</sub>	
✓ 45	1	K <sub>0</sub>	
✓ 46	1	K <sub>0</sub>	
✓ 47	1	K <sub>0</sub>	
✓ 48	1	K <sub>0</sub>	
✓ 49	2	K <sub>0</sub>	
✓ 50	2	G <sub>5</sub>	
✓ 51	1	G <sub>0</sub>	
✓ 52	1	K <sub>0</sub>	
✓ 53	2	G <sub>0</sub>	
✓ 54	2	K <sub>0</sub>	E.



28	+58°	1202	9	27.8	+58	3.8	8.7	✓
29	+57°	1224	9	26.3	+57	36.7	6.8	✓
30	+57°	1222	9	24.2	+57	12.6	8.8	✓
31	+56°	1389	9	20.1	+56	34.0	8.8	✓
32	+58°	1227	9	48.4	+58	41.3	9.2	✓
33	+58°	1223	9	46.9	+58	36.5	9.0	✓
34	+58°	1219	9	43.3	+58	41.9	8.3	✓
35	+59°	1270	9	43.0	+59	13.3	9.0	✓
36	+59°	1264	9	37.3	+59	58.7	8.3	✓
37	+59°	1260	9	34.6	+59	5.5	8.3	✓
38	+59°	1262	9	35.2	+59	30.9	8.9	✓
39	+59°	1258	9	33.4	+59	48.0	8.6	✓
40	+58°	1208	9	31.2	+58	9.1	8.5	✓
41	+57°	1229	9	31.7	+57	35.4	9.3	✓
42	+56°	1398	9	32.2	+56	50.5	9.0	✓
43	+56°	1399	9	32.5	+56	19.5	8.5	✓
44	+55°	1342	9	29.3	+55	30.4	8.8	✓
45	+56°	1416	9	45.9	+56	5.6	9.0	✓
46	+57°	1233	9	37.9	+57	30.7	9.0	✓
47	+58°	1216	9	40.5	+58	52.6	9.0	✓
48	+56°	1402	9	35.9	+56	26.4	9.0	✓
49	+56°	1393	9	25.8	+56	11.7	9.2	✓
50	+58°	1200	9	26.6	+58	44.6	9.0	✓
51	+59°	1243	9	22.7	+59	16.8	9.1	✓
52	+59°	1235	9	13.4	+59	57.2	9.0	✓
53	+59°	1234	9	12.8	+59	56.2	9.0	✓
54	+58°	1184	9	7.2	+58	39.8	8.7	✓

Monday, February 2, 1914

I 38224 long

No.	Int.	Class	Remark
✓ 55	2	90	
✓ 56	1	110	
✓ 57	2	95	2.
✓ 58	2	110	2.
✓ 59	2	78	
✓ 60	1	110	
✓ 61	2	78	
9.45 ✓ 62	1	75	
63			
64			

63	2	110	
✓ 64	2	90	
65	7	95	



55	+58°	1185	9	11.2	+58	16.8	8.8	✓
56	+57°	1216	9	12.1	+57	43.2	9.1	✓
57	+61°	1166	9	57.8	+61	38.7	8.9	✓
58	+63°	872	9	47.1	+63	9.1	8.2	✓
59	+61°	1150	9	41.9	+61	25.3	8.8	✓
60	+60°	1211	9	40.1	+60	52.0	8.7	✓
61	+60°	1210	9	39.0	+60	39.5	8.5	✓
62	+60°	1206	9	35.0	+60	19.8	9.0	✓

63 Identified in book J. C. M. Feb. 19, 1914

Identified in Cards made out, Feb. 18, 1914 - Anne

Identification compared G. R. B.

✓	63	+56	1383	9	16.6	+56	57	8.5	65m	37705
✓	64	+59	1229	9	8.3	+59	1	8.6	115 "	"
✓	65	+60	1198	9	26.8	+60	51	6.5	150 "	"

10.15

Monday, February 2, 1914

I 38334 long

G.F.M. Rec.	No.	Int.	Class	Remark
✓ 1	2		F5	
✓ 2	1		F8	
✓ 3	3		K0	
✓ 4	6		G5	
✓ 5	2		K0	
✓ 6	4		K0	
✓ 7	5		F5	
✓ 8	9		F5	
✓ 9	8		Q3	
✓ 10	8		F8	
✓ 11	3		K0	
✓ 12	2		F8	
✓ 13	2		K0	
✓ 14	2		K0	
✓ 15	2		F5	
✓ 16	10+		G0	
✓ 17	2		G0	
✓ 18	1		K0	
✓ 19	4		K0	
✓ 20	1		K2	
✓ 21	1		G	
✓ 22	9		Q3	
✓ 23	3		K0	
24	4		G0	
✓ 25	3		G0	
✓ 26	4		K0	
✓ 27	3		Ina	



1	+46°	1772	12	1.0	+46	20.1	8.8	✓
2	+45°	2001	12	3.4	+45	58.4	8.5	✓
3	+44°	2177	12	10.2	+44	49.3	7.8	✓
4	+44°	2180	12	12.8	+44	24.2	7.0	✓
5	+44°	2182	12	13.4	+44	13.2	8.0	✓
6	+44°	2190	12	15.7	+44	36.8	7.5	✓
7	+45°	2033	12	18.7	+45	32.7	7.8	✓
8	+45°	2038	12	21.1	+45	35.8	7.0	✓
9	+46°	1791	12	24.6	+46	1.4	7.5	✓
10	+44°	2205	12	26.7	+44	53.0	7.2	✓
11	+44°	2202	12	25.3	+44	0.4	8.0	✓
12	+43°	2233	12	23.8	+43	57.4	8.5	✓
13	+43°	2227	12	22.1	+43	49.4	7.8	✓
14	+43°	2235	12	24.5	+43	19.9	8.3	✓
15	+43°	2239	12	27.0	+43	10.8	8.5	✓
16	+42°	2321	12	26.9	+42	8.0	4.5	✓
17	+41°	2302	12	26.4	+41	33.0	7.9	✓
18	+41°	2305	12	27.6	+41	21.9	8.8	✓
19	+41°	2308	12	29.2	+41	22.8	7.5	✓
20	+41°	2309	12	29.7	+41	52.6	8.3	✓
21	+41°	2311	12	31.6	+41	48.4	8.6	✓
22	+41°	2312	12	31.8	+41	40.3	7.0	✓
23	+41°	2313	12	32.2	+41	48.2	8.0	✓
24	+41°	2317	12	33.7	+41	5.9	7.2	✓
25	+41°	2318	12	33.9	+41	20.1	7.3	✓
26	+41°	2320	12	34.5	+41	23.2	7.2	✓
27	+42°	2334	12	36.6	+42	4.0	7.5	✓

Monday, February 2, 1914

I 38334 long

No.	Int.	Class	Remarks
✓ 28	6	K <sub>2</sub>	
✓ 29	5	F <sub>8</sub>	
✓ 30	1	K <sub>0</sub>	
✓ 31	2	F <sub>8</sub>	
✓ 32	4	F <sub>8</sub>	
✓ 33	1	K <sub>0</sub>	
✓ 34	3	G <sub>5</sub>	
✓ 35	4	F <sub>5</sub>	
✓ 36	3	K <sub>5</sub>	
✓ 37	3	G <sub>5</sub>	
✓ 38	4	F <sub>8</sub>	
✓ 39	2	G <sub>5</sub>	
✓ 40	5	F <sub>5</sub>	
✓ 41	8	Ma	
✓ 42	3	G <sub>5</sub>	
✓ 43	6	F <sub>5</sub>	
✓ 44	3	G <sub>2</sub>	
✓ 45	4	K <sub>0</sub>	
✓ 46	4	G <sub>5</sub>	
✓ 47	2	Ma	
✓ 48	6	K <sub>0</sub>	
✓ 49	10	F <sub>0</sub>	
✓ 50	4	F <sub>0</sub>	
✓ 51	7	F <sub>2</sub>	Line K rather faint for this class
✓ 52	2	K <sub>0</sub>	
✓ 53	3	F <sub>8</sub>	
✓ 54	3	F <sub>5</sub>	Partly sup. on 55



28	+43°	2253	12	37.7	+43	54.4	6.7	✓
29	+43°	2258	12	40.0	+43	56.9	7.3	✓
30	+43°	2249	12	33.1	+43	32.0	7.7	✓
31	+45°	1996	11	58.7	+45	11.7	7.8	✓
32	+44°	2162	12	1.0	+44	42.8	7.8	✓
33	+45°	1997	12	1.2	+45	11.7	8.0	✓
34	+43°	2187	12	0.0	+43	53.4	6.8	✓
35	+43°	2186	11	59.7	+43	27.5	7.3	✓
36	+42°	2274	12	0.2	+42	53.2	7.3	✓
37	+43°	2194	12	2.0	+43	17.1	7.8	✓
38	+43°	2195	12	2.6	+43	6.1	7.8	✓
39	+43°	2201	12	7.6	+43	54.9	8.8	✓
40	+42°	2281	12	6.7	+42	58.2	7.5	✓
41	+41°	2284	12	8.9	+41	28.1	5.5	✓
42	+41°	2287	12	11.4	+41	43.5	8.2	✓
43	+41°	2289	12	12.3	+41	45.6	7.8	✓
44	+42°	2292	12	13.0	+42	12.9	7.8	✓
45	+42°	2295	12	14.0	+42	16.9	7.5	✓
46	+41°	2290	12	14.7	+41	31.4	8.5	✓
47	+41°	2292	12	16.7	+41	32.1	7.5	✓
48	+42°	2302	12	17.5	+42	8.4	6.9	✓
49	+43°	2218	12	16.7	+43	21.3	6.3	✓
50	+43°	2220	12	17.3	+43	53.8	7.2	✓
51	+43°	2221	12	17.9	+43	40.0	7.0	✓
52	+43°	2224	12	18.9	+43	55.4	8.1	✓
53	+43°	2223	12	18.9	+43	8.1	8.2	✓
54	+43°	2215	12	16.1	+43	42.1	8.0	✓

Monday, February 2, 1914

I 38334 long

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



55	+43°	2216	12	16.1	+43	32.9	8.0	✓
56	+42°	2291	12	11.1	+42	50.5	8.2	✓
57	+43°	2207	12	11.7	+43	53.8	8.0	✓
58	+43°	2204	12	9.5	+43	53.6	8.3	✓
59	+42°	2287	12	8.9	+42	41.9	8.5	✓
60	+40°	2512	12	6.6	+40	47.3	8.0	✓
61	+40°	2514	12	8.2	+40	54.8	8.5	✓
62	+40°	2513	12	7.3	+40	8.6	6.5	✓
63	+40°	2516	12	9.4	+40	23.0	7.2	✓
64	+39°	2505	12	8.0	+39	33.5	7.8	✓
65	+39°	2506	12	8.2	+39	27.0	7.2	✓
66	+39°	2503	12	4.5	+39	34.6	8.1	✓
67	+39°	2500	12	3.8	+39	55.4	7.8	✓
68	+40°	2508	12	3.5	+40	41.9	7.1	✓
69	+41°	2276	12	2.3	+41	3.2	7.2	✓
70	+40°	2501	12	0.8	+40	28.3	6.8	✓
71	+39°	2496	12	2.1	+39	25.8	7.0	✓
72	+39°	2508	12	10.2	+39	27.3	8.3	✓
73	+38°	2324	12	13.0	+38	43.2	6.5	✓
74	+38°	2326	12	13.9	+38	50.5	7.3	✓
75	+40°	2524	12	12.2	+40	25.8	8.0	✓
76	+41°	2288	12	11.9	+41	7.4	7.2	✓
77	+39°	2511	12	13.2	+39	59.2	8.6	✓
78	+40°	2529	12	15.7	+40	4.9	8.0	✓
79	+40°	2530	12	16.3	+40	36.1	8.3	✓
80	+40°	2533	12	16.9	+40	40.1	8.5	✓
81	+40°	2537	12	18.9	+40	41.6	8.0	✓

Monday, February 2, 1914

Σ 38334 long

No.	Int.	Class	Remark
✓ 82	1	K <sub>0</sub>	
✓ 83	10	K <sub>0</sub>	
✓ 84	4	K <sub>0</sub>	
✓ 85	5	G <sub>0</sub>	
✓ 86	9	F <sub>5</sub>	
✓ 87	1	K <sub>2</sub>	
✓ 88	7	F <sub>8</sub>	
✓ 89	7	K <sub>0</sub>	
✓ 90	9	K <sub>0</sub>	
✓ 91	9	A <sub>0</sub>	
✓ 92	2	F <sub>5</sub>	
✓ 93	7	A <sub>0</sub>	
✓ 94	7	F <sub>5</sub>	
✓ 95	2	F <sub>5</sub>	
✓ 96	4	F <sub>5</sub>	
✓ 97	10	G <sub>0</sub>	
✓ 98	2	K <sub>0</sub>	
✓ 99	4	A <sub>0</sub>	Σ.
10.33 ✓ 100	2	K <sub>0</sub>	

101

102

103

(wrong page) 101 2 A<sub>0</sub>101 2 F<sub>5</sub>



82	+40°	2538	12	19.3	+40	42.1	8.3	✓
83	+39°	2521	12	18.7	+39	49.6	5.4	✓
84	+39°	2520	12	18.3	+39	9.0	7.8	✓
85	+39°	2519	12	17.7	+39	7.5	7.5	✓
86	+42°	2307	12	20.4	+42	9.6	6.5	✓
87	+41°	2298	12	23.3	+41	37.1	8.2	✓
88	+40°	2542	12	23.1	+40	4.1	7.2	✓
89	+40°	2543	12	24.0	+40	23.2	6.8	✓
90	+38°	2347	12	26.4	+38	53.0	6.8	✓
91	+40°	2551	12	28.7	+40	29.0	7.0	✓
92	+40°	2552	12	29.2	+40	19.1	8.5	✓
93	+40°	2558	12	31.8	+40	5.8	7.5	✓
94	+39°	2540	12	30.6	+39	28.3	7.3	✓
95	+40°	2557	12	31.2	+40	46.1	8.2	✓
96	+39°	2544	12	34.4	+39	11.4	7.4	✓
97	+40°	2570	12	38.1	+40	4.0	6.1	✓
98	+40°	2571	12	38.7	+40	34.8	8.3	✓
99	+38 <sup>7</sup> °	2306	12	32.9	+37	47.4	8.0	✓
100	+38°	2344	12	23.9	+38	57.4	8.0	✓

Identified on cards by Amc. Feb. 24, 1914

Identified in book by J.C.M. Feb. 26, 1914

Identification compared, card & book. G.R.B.

101 +44 2156 " 57.3 +44 10 8.7 19 m MC4206

Monday February 2, 1914

I17453 long

11.14

No.	Int.	Class	Remark
✓ 1	1	Ko	
✓ 2	2	Ko	
✓ 3	2	G5	
✓ 4	1	G5	
✓ 5	2	F5	
✓ 6	2	G0	
✓ 7	1	G5	
✓ 8	1	F8	
✓ 9	2	K2	
✓ 10	8	Q3	
✓ 11	1	F5	
✓ 12	1	K2	
✓ 13	2	F8	
✓ 14	3	F5	
✓ 15	2	Q3	
✓ 16	1	Ko	
✓ 17	4	K2	
✓ 18	1	G0	Another star super.?
✓ 19	7	Ko	
✓ 20	2	F5	
✓ 21	3	Ko	
✓ 22	2	G5	
✓ 23	2	F5	
✓ 24	2	G0	
✓ 25	3	G5	E.
✓ 26	4	F0	
✓ 27	2	Ko	E



1	+37°	2276	12	19.3	+37	54.4	7.8	✓
2	+38°	2331	12	18.0	+38	2.3	7.5	✓
3	+38°	2333	12	18.3	+38	13.7	8.0	✓
4	+38°	<sup>29</sup> 2330	12	17.3	+38	29.4	8.8	✓
5	+40°	2521	12	11.1	+40	36.0	8.7	✓
6	+40°	2520	12	11.0	+40	46.0	8.8	✓
7	+40°	2523	12	11.5	+40	59.5	9.1	✓
8	+40°	2515	12	9.0	+40	51.9	9.0	✓
9	+41°	2280	12	5.6	+41	3.2	8.4	✓
10	+40°	2508	12	3.5	+40	41.9	7.1	✓
11	+40°	2506	12	2.7	+40	25.9	8.8	✓
12	+40°	2505	12	2.5	+40	14.5	8.0	✓
13	+40°	2500	12	0.6	+40	48.2	8.4	✓
14	+39°	2492	11	58.0	+39	27.3	7.8	✓
15	+39°	2491	11	57.8	+39	38.8	8.1	✓
16	+38°	2297	11	56.6	+38	48.0	8.6	✓
17	+38°	2294	11	51.3	+38	40.6	7.8	✓
18	+37°	2233	11	50.0	+37	57.9	9.0	✓
19	+39°	2478	11	47.8	+39	34.2	6.5	✓
20	+38°	2288	11	46.6	+38	44.5	8.5	✓
21	+40°	2474	11	46.4	+40	25.1	8.0	✓
22	+40°	2472	11	45.1	+40	56.2	8.1	✓
23	+41°	2241	11	44.9	+41	7.6	8.5	✓
24	<sup>+39°</sup> <del>+40°</del>	2471	11	42.6	+39	36.2	7.8	✓
25	+40°	2467	11	39.9	+40	44.2	7.8	✓
26	+41°	2234	11	40.9	+41	26.9	8.5	✓
27	+41°	2232	11	40.4	+41	28.6	8.8	✓

Monday Feb. 2, 1914

I 17453 long

No.	Dist.	class	Remark
✓ 28	2	G5	
✓ 29	2	F8	E
✓ 30	1.	F8	E
✓ 31	2	G0	E
✓ 32	1	K0	
✓ 33	1	G5	
✓ 34	1	G5	
✓ 35	1	K0	
✓ 36	1	G5	
✓ 37	2	F5	
✓ 38	2	G5	
✓ 39	2	F8	
✓ 40	1	G0	
✓ 41	5	F5	
✓ 42	4	F5	
✓ 43	3	G5	
✓ 44	3	K2	
45	1	G5	
✓ 46	1	K0	
✓ 47	3	K2	
✓ 48	8	F5	
✓ 49	5	K2	
✓ 50	3	F8	
✓ 51	2	K2	
✓ 52	2	K2	
✓ 53	1	G5	
✓ 54	1	G5	



28	+42°	2248	11	42.4	+42	8.4	8.5 ✓
29	+38°	2342	12	21.8	+38	23.9	8.5 ✓
30	+38°	2341	12	21.7	+38	52.0	8.9 ✓
31	+39°	2530	12	24.0	+39	34.3	8.5 ✓
32	+40°	2536	12	18.2	+40	2.5	9.0 ✓
33	+40°	2535	12	18.2	+40	52.5	9.0 ✓
34	+43°	2212	12	14.9	+43	2.0	8.9 ✓
35	+42°	2296	12	14.7	+42	57.4	8.8 ✓
36	+42°	2278	12	5.5	+42	7.0	9.1 ✓
37	+43°	2198	12	4.6	+43	43.0	8.8 ✓
38	+42°	2273	12	59.7	+42	25.9	8.5 ✓
39	+41°	2269	11	56.8	+41	58.1	8.4 ✓
40	+41°	2268	11	56.1	+41	39.2	8.5 ✓
41	+41°	2265	11	55.6	+41	52.3	8.0 ✓
42	+42°	2265	11	55.1	+42	5.8	7.8 ✓
43	+40°	2490	11	54.2	+40	23.0	8.3 ✓
44	+40°	2488	11	52.2	+40	47.3	8.5 ✓
45	+40°	2489	11	53.0	+40	14.0	8.9 ✓
46	+39°	2481	11	52.6	+39	38.8	8.9 ✓
47	+40°	2485	11	51.1	+40	59.6	7.9 ✓
48	+41°	2253	11	49.8	+41	9.7	6.5 ✓
49	+41°	2252	11	49.6	+41	5.2	7.0 ✓
50	+41°	2251	11	49.4	+41	9.7	8.5 ✓
51	+41°	2250	11	49.2	+41	51.0	8.5 ✓
52	+42°	2257	11	49.6	+42	11.0	8.5 ✓
53	+41°	2255	11	49.9	+41	42.6	8.7 ✓
54	+42°	2259	11	50.8	+42	37.8	9.1 ✓

Monday Feb. 2, 1914

I 17453 long

No.	Int.	Class	Remarks
✓ 55	12	G5	
✓ 56	3	F8	
✓ 57	10	A2	
✓ 58	5	K0	
✓ 59	1	K2	
✓ 60	1	F8	
✓ 61	2	K0	E.
✓ 62	3	K0	
✓ 63	3	F8	
✓ 64	1	K0	
✓ 65	2	K0	
<del>4-26</del> ✓ 66	2	K0	E.
✓ 67	3	K0	
✓ 68	1	K0	
✓ 69	3	K0	
✓ 70	3	F2	
11.30 ✓ 71	1	G	
<del>72</del>			

72	7	K0	Hydrogen lines H <sub>γ</sub> and H <sub>δ</sub> strong.
73	7	K0	
74	6	K0	
75	7	K0	
76	4	A	
77	5	F5	

encl. 139,68



55	+43°	2175	11	53.5	+43	2.4	8.5	✓
56	+43°	2177	11	54.1	+43	51.8	9.0	✓
57	+43°	2179	11	54.8	+43	51.5	5.1	✓
58	+43°	2182	11	55.1	+43	54.6	6.7	✓
59	+43°	2184	11	58.2	+43	59.3	8.0	✓
60	+44°	2156	11	57.3	+44	9.7	8.7	✓
61	+45°	1991	11	56.8	+45	15.2	8.0	✓
62	+44°	2145	11	52.5	+44	9.2	8.0	✓
63	+43°	2171	11	50.9	+43	29.9	8.0	✓
64	+41°	2263	11	52.7	+41	6.1	8.8	✓
65	+43°	2224	12	18.9	+43	55.4	8.1	✓
66	+43°	2235	12	24.5	+43	19.9	8.3	✓
67	+37°	2257	12	6.4	+37	32.8	8.3	✓
68	+38°	2316	12	8.1	+38	16.7	8.8	✓
69	+38°	2304	12	1.5	+38	39.3	8.5	✓
70	+37°	2250	12	0.0	+37	49.5	8.5	✓
71	+37°	2249	11	59.3	+37	35.1	8.9	✓

Identified on cards by Amc. May 5, 1914  
 Identified in book by J.G.M. May 12, 1914.  
 Identification compared cards & book by G.R.B.

✓	72	+41	2284	12	8.9	+41	28	5.5	41 on 38334
✓	73	+41°	2244	11	46.3	+41	43	6.5	64 on 37726
✓	74	+41°	2248	11	48.5	+41	27	6.9	66 " "
✓	75	+42°	2256	11	48.9	+42	50	7.0	65 " "
✓	76	+36	2246	12	4.2	+36	54	6.5	76 on 47453
✓	77	+43	2165	11	46.1	+43	44	7.5	63 on 37726

9.48

Tuesday, February 3, 1914

T 38402 long

G.F.M. Rec.

No.	Int.	Class	Remark
1	2	K <sub>0</sub>	
2	3	K <sub>2</sub>	
3	2	G <sub>5</sub>	
4	5	F <sub>5</sub>	Σ.
5	2	K <sub>2</sub>	
6	2	G <sub>5</sub>	
7	8	G <sub>5</sub>	
8	2	K <sub>0</sub>	
9	2	K <sub>2</sub>	
10	2	K <sub>5</sub>	Σ.
11	9	Q <sub>0</sub>	Σ.
12	2	K <sub>2</sub>	Σ.
13	4	K <sub>2</sub>	Σ.
14	5	F <sub>5</sub>	
15	3	F <sub>8</sub>	
16	2	F <sub>5</sub>	
17	10	K <sub>0</sub>	
18	4	G <sub>5</sub>	Σ.
19	7	Q <sub>0</sub>	Σ.
20	1	K <sub>0</sub>	
21	1	K <sub>2</sub>	
22	2	G <sub>0</sub>	
23	6	F <sub>5</sub>	
24	1	G <sub>5</sub>	
25	1	K <sub>0</sub>	
26	1	G <sub>5</sub>	
27	4	Q <sub>0</sub>	Line 4128, 31 strong.



1 +19°	2521	11	53.2 + 19	8.0	7.9	^✓
2 +19°	2526	11	56.6 + 19	38.1	7.5	^✓
3 +20°	2676	11	56.4 + 20	11.8	8.3	^✓
4 +18°	2566	11	58.0 + 18	5.9	7.0	^✓
5 +20°	2683	12	0.0 + 20	10.1	7.8	^✓
6 +21°	2392	11	59.5 + 21	19.0	8.6	^✓
7 +21°	<del>2398</del>	<del>12</del>	<del>7.8 + 21</del>	<del>21.7</del>	<del>8.0</del>	<del>^✓</del>
7 +21°	2496	12	5.4 + 21	37.0	8.5	✓
8 +20°	2693	12	5.0 + 20	37.7	7.5	^✓
9 +19°	2539	12	3.7 + 19	26.2	7.8	^✓
10 +18°	2439	12	1.8 + 18	59.8	6.8	^✓
11 +18°	2446	12	3.1 + 18	36.4	6.6	^✓
12 +17°	2451	12	6.1 + 17	59.4	7.3	^✓
13 +17°	2454	12	7.9 + 17	43.6	6.5	^✓
14 +19°	2547	12	10.7 + 19	14.5	7.0	^✓
15 +19°	2552	12	11.4 + 19	58.6	7.8	✓
16 +18°	2589	12	12.0 + 18	32.8	8.0	^✓
17 +18°	2592	12	13.4 + 18	36.8	4.5	^✓
18 +17°	2462	12	11.8 + 17	22.3	7.5	^✓
19 +17°	2469	12	14.7 + 17	32.3	6.8	^✓
20 +20°	2708	12	13.3 + 20	53.1	8.4	^✓
21 +20°	2713	12	15.4 + 20	57.4	8.0	^✓
22 +22°	2463	12	14.3 + 22	6.8	8.0	^✓
23 +22°	2464	12	14.4 + 22	39.9	7.4	^✓
24 +21°	2389	11	58.1 + 21	48.0	9.0	^✓
25 +21°	2388	11	57.7 + 21	1.9	8.5	^✓
26 +22°	2438	11	58.3 + 22	22.7	8.7	^✓
27 +23°	2423	12	2.6 + 23	26.7	7.3	^✓

Tuesday, February 2, 1914

I 38402 long

No.	Dnt.	Class	Remark
28	3	G <sub>5</sub>	
29	6	Q <sub>5</sub>	
30	1.	G <sub>5</sub>	
31	7	K <sub>2</sub>	
32	1	G	
33	4	F <sub>5</sub>	
34	7	Q <sub>2</sub>	
35	6	G <sub>5</sub>	
36	10.	K <sub>0</sub>	
37	3	Q <sub>2</sub>	
38	1	G	
39	1.	F <sub>8</sub>	
40	2.	G	
41	9	Q <sub>3</sub>	
42	3	G <sub>5</sub>	
43	2.	G <sub>5</sub>	
44	10	Q <sub>0</sub>	
45	3.	K <sub>2</sub>	
46	7	K <sub>0</sub>	
47	4.	G <sub>5</sub>	
48	4.	F <sub>8</sub>	Σ.
49	8	Q <sub>2</sub>	Σ.
50	8	Q <sub>3</sub>	Σ.
51	4	Q <sub>5</sub>	
52	3	K <sub>0</sub>	
53	5	Q <sub>3</sub>	
54	9	Q <sub>3</sub> ?	



28	+23°	2426	12	3.6	+23	39.8	7.5	1✓
29	+23°	2429	12	4.0	+23	24.0	7.5	1✓
30	+24°	2433	12	4.1	+24	1.3	8.5	1✓
31	+24°	2436	12	4.4	+24	7.8	6.6	1✓
32	+23°	2431	12	4.6	+23	54.0	8.3	1✓
33	+23°	2433	12	6.4	+23	41.5	8.0	1✓
34	+22°	2451	12	5.9	+22	51.3	7.5	1✓
35	+24°	2441	12	7.1	+24	28.7	7.5	1✓
36	+24°	2443	12	9.0	+24	46.9	5.3	1✓
37	+23°	2441	12	10.0	+23	0.5	7.7	1✓
38	+23°	2444	12	10.8	+23	6.7	8.9	1✓
39	+23°	2445	12	10.8	+23	30.4	8.5	1✓
40	+23°	2447	12	11.3	+23	56.1	8.5	1✓
41	+23°	2448	12	12.0	+23	50.4	6.3	1✓
42	+23°	2449	12	12.1	+23	20.8	8.3	1✓
43	+23°	2451	12	13.4	+23	42.8	8.0	1✓
44	+25°	2498	12	14.9	+25	33.9	6.5	1✓
45	+25°	2501	12	16.2	+25	23.9	7.0	1✓
46	+24°	2455	12	18.0	+24	44.5	6.0	1✓
47	+25°	2471	12	3.9	+25	33.6	7.7	1✓
48	+26°	2324	12	11.4	+26	59.9	7.3	1✓
49	+26°	2326	12	11.7	+26	48.6	6.6	1✓
50	+26°	2329	12	13.0	+26	48.7	6.3	1✓
51	+25°	2487	12	11.9	+25	52.4	7.5	1✓
52	+25°	2493	12	13.8	+25	50.5	7.2	1✓
53	+25°	2495	12	14.1	+25	48.9	7.5	1✓
54	+26°	2337	12	15.2	+26	39.5	5.0	1✓

+26° 2338 12 15.2 +26 38°  
 magn. 8.5 superposed.

Tuesday, February 3, 1914

← I 38402 long

No.	Int.	Class	Remark
-----	------	-------	--------

55 3

Q<sub>3</sub>

9.57

56 6

Q<sub>3</sub>



55 + 26°	2343	12	16.8 + 26	37.9	7.0	1✓
56 + 26°	2345	12	17.2 + 26	23.5	6.3	1✓

Identified by AmC. Feb. 17, 1914  
 Checked March 6, 1914 D.W.

Cards made out by G.R.B.  
 Cards checked by G.E.S.

10.06

Tuesday, February 3, 1914

← I 37508 long

S.F. to Rec. No. Dist. Class Remark

✓	1	10	K <sub>0</sub>	Σ.
✓	2	3	K <sub>0</sub>	Σ.
✓	3	4	Q <sub>3</sub>	Σ.
✓	4	1	K <sub>0</sub>	Σ.
✓	5	6	Q <sub>2</sub>	Σ.
✓	6	7	Q <sub>2</sub>	
✓	7	6	Q <sub>2</sub>	
✓	8	9	B <sub>9</sub>	
✓	9	1	G <sub>5</sub>	
✓	10	5	Q <sub>0</sub>	
✓	11	3	K <sub>0</sub>	
✓	12	2	G <sub>5</sub>	
✓	13	1	F <sub>5</sub>	
	14	1	K <sub>0</sub>	
✓	15	1	G <sub>5</sub>	
✓	16	4	F <sub>2</sub>	
✓	17	4	K <sub>2</sub>	
	18	2 1/2	G <sub>5</sub>	
✓	19	2	G <sub>5</sub>	
✓	20	3	F <sub>2</sub>	
✓	21	1	K <sub>0</sub>	
✓	22	3	G <sub>5</sub>	
✓	23	1	K <sub>2</sub>	
✓	24	1	G <sub>0</sub>	
✓	25	1	G	
✓	26	1	G	Partly exp. on 25
✓	27	2	G <sub>0</sub>	



1	+29°	2287 <sup>8</sup>	12	19.7	+29	4.9	4.7	✓
2	+28°	2116	12	20.3	+28	54.7	7.8	✓
3	+28°	2118	12	20.6	+28	12.9	8.2	✓
4	+27°	2135	12	20.0	+27	51.4	8.3	✓
5	+26°	2352	12	20.4	+26	42.5	6.5	✓
6	+27°	2138	12	21.4	+27	2.1	6.5	✓
7	+26°	2353	12	21.5	+26	41.5	7.2	✓
8	+26°	2354	12	21.7	+26	42.9	6.0	✓
9	+26°	2356	12	22.7	+26	55.7	8.3	✓
10	+26°	2359	12	24.3	+26	40.1	8.2	✓
11	+27°	2143	12	24.3	+27	52.6	8.2	✓
12	+27°	2144	12	24.5	+27	48.3	8.8	✓
13	+27°	2145	12	25.1	+27	34.5	8.7	✓
14	+26°	2361	12	25.8	+26	45.9	8.7	✓
15	+26°	2360	12	25.0	+26	46.2	8.8	✓
16	+27°	2150	12	27.2	+27	5.8	8.5	✓
17	+26°	2369	12	28.8	+26	13.3	7.8	✓
18	+26°	2372	12	29.5	+26	35.0	8.6	✓
19	+28°	2134	12	27.7	+28	14.7	8.5	✓
20	+28°	2133	12	26.4	+28	52.8	8.4	✓
21	+28°	2129	12	25.7	+28	20.9	8.5	✓
22	+28°	2125	12	23.9	+28	31.9	8.4	✓
23	+28°	2123	12	23.0	+28	21.6	8.9	✓
24	+27°	2140	12	23.4	+27	51.4	9.2	✓
25	+27°	2147	12	26.7	+27	38.6	9.1	✓
26	+27°	2149	12	26.8	+27	38.9	9.1	✓
27	+27°	2156	12	31.6	+27	32.1	9.0	✓

Tuesday, February 3, 1914

I 37508 long

No.	Int.	Class	Remark
✓ 28	7	F <sub>5</sub>	
✓ 29	9	F <sub>0</sub>	Lines sharp
✓ 30	4	G <sub>3</sub>	
✓ 31	1	K <sub>0</sub>	
✓ 32	2	G <sub>5</sub>	
✓ 33	3	K <sub>0</sub>	
✓ 34	6	F <sub>2</sub>	
✓ 35	2	K <sub>0</sub>	
✓ 36	2	G <sub>5</sub>	
✓ 37	5	K <sub>2</sub>	
✓ 38	2	G <sub>5</sub>	Partly auf. on 37
✓ 39	2	G <sub>5</sub>	
✓ 40	4	K <sub>2</sub>	
✓ 41	2	G <sub>0</sub>	
✓ 42	1	G <sub>5</sub>	
✓ 43	2	G <sub>5</sub>	
✓ 44	6	K <sub>0</sub>	
✓ 45	1	K <sub>2</sub>	
✓ 46	1	K <sub>2</sub>	
✓ 47	10	G <sub>0</sub>	
✓ 48	4	G <sub>5</sub>	
✓ 49	5	K <sub>0</sub>	
50	2	G <sub>0</sub>	
✓ 51	3	K <sub>5</sub>	
✓ 52	2	G <sub>5</sub>	
✓ 53	3	G <sub>0</sub>	
✓ 54	3	K <sub>2</sub>	



28	+27°	2158	12	33.8	+27	56.3	7.9	✓
29	+26°	2383	12	36.2	+26	55.2	6.8	✓
30	+26°	2385	12	36.5	+26	27.4	7.5	✓
31	+26°	2382	12	35.8	+26	41.9	8.2	✓
32	+28°	2145	12	36.9	+28	8.2	8.3	✓
33	+28°	2146	12	37.2	+28	46.9	7.8	✓
34	+29°	2318 <sup>9</sup>	12	35.5	+29	10.4	7.5	✓
35	+29°	2319 <sup>20</sup>	12	37.7	+29	38.3	8.0	✓
36	+28°	2149	12	38.0	+28	33.1	8.3	✓
37	+28°	2148	12	38.0	+28	11.7	7.5	✓
38	+28°	2150	12	38.0	+28	7.7	8.8	✓
39	+27°	2169	12	39.8	+27	45.3	8.8	✓
40	+27°	2172	12	40.9	+27	53.9	8.0	✓
41	+28°	2152	12	41.4	+28	36.0	7.9	✓
42	+28°	2151	12	40.5	+28	12.6	9.0	✓
43	+27°	2153 <sup>7</sup>	12	41.5	+27	23.6	8.1	✓
44	+27°	2176	12	42.7	+27	12.8	7.3	✓
45	+27°	2175	12	42.5	+27	0.6	8.7	✓
46	+28°	2158	12	45.0	+28	54.4	8.9	✓
47	+28°	2156	12	44.7	+28	20.0	5.0	✓
48	+27°	2187	12	46.0	+27	35.3	7.5	✓
49	+27°	2189	12	46.9	+27	34.4	7.5	✓
50	+28°	2163	12	47.1	+28	27.3	8.8	✓
51	+26°	2399	12	44.8	+26	27.8	7.6	✓
52	+26°	2402	12	45.1	+26	8.9	8.5	✓
53	+25°	2570	12	46.2	+25	56.3	8.4	✓
54	+25°	2571	12	46.8	+25	24.9	8.0	✓

Tuesday, February 3, 1914

I 37508 long

No.	Int.	Class	Remark
✓ 55	3	G <sub>0</sub>	
56	1	G <sub>5</sub>	
✓ 57	3	G <sub>5</sub>	
✓ 58	1	K <sub>2</sub>	
✓ 59	3	K <sub>0</sub>	
✓ 60	9	F <sub>5</sub>	
✓ 61	4	F <sub>5</sub>	
✓ 62	1	K <sub>0</sub>	
✓ 63	10	Q <sub>2</sub>	
✓ 64	6	G <sub>0</sub>	
✓ 65	5	F <sub>2</sub>	
✓ 66	3	K <sub>0</sub>	
✓ 67	5	F <sub>0</sub>	
✓ 68	2	G <sub>0</sub>	
✓ 69	3	Ma	Partly sup. on 70
✓ 70	9	Q <sub>2</sub>	
✓ 71	3	K <sub>2</sub>	
✓ 72	2	K <sub>0</sub>	
✓ 73	2	G <sub>5</sub>	
✓ 74	10+	Q <sub>0</sub>	
✓ 75	7	K <sub>0</sub>	
✓ 76	2	G <sub>5</sub>	
✓ 77	4	F <sub>2</sub>	
✓ 78	8	K <sub>0</sub>	
✓ 79	4	F <sub>8</sub>	
✓ 80	7	K <sub>0</sub>	
✓ 81	2	K <sub>0</sub>	



55	+26°	2404	12	48.4	+26	31.4	8.6	✓
56	+26°	2405	12	48.5	+26	40.3	8.7	✓
57	+25°	2578	12	50.4	+25	44.5	8.0	✓
58	+26°	2409	12	50.7	+26	43.4	8.7	✓
59	+26°	2410	12	51.4	+26	41.4	8.6	✓
60	+24°	2464	12	22.2	+24	54.4	5.7	✓
61	+25°	2513	12	22.7	+25	7.9	7.7	✓
62	+25°	2514	12	22.7	+25	20.8	8.3	✓
63	+25°	2517	12	23.8	+25	22.5	5.3	✓
64	+24°	2466	12	23.8	+24	35.6	7.5	✓
65	+24°	2467	12	24.6	+24	4.8	7.3	✓
66	+23°	2467	12	24.5	+23	45.6	7.4	✓
67	+24°	2470	12	25.5	+24	14.3	8.0	✓
68	+24°	2471	12	25.7	+24	39.1	8.7	✓
69	+25°	2522	12	26.3	+25	14.9	7.3	✓
70	+25°	2523	12	26.4	+25	4.9	6.3	✓
71	+25°	2526	12	27.6	+25	2.5	7.7	✓
72	+25°	2528	12	27.7	+25	18.3	7.8	✓
73	+23°	2476	12	27.7	+23	56.6	8.3	✓
74	+23°	2475	12	27.6	+23	25.9	4.8	✓
75	+22°	2490	12	27.9	+22	41.4	6.5	✓
76	+22°	2489	12	27.5	+22	21.9	7.5	✓
77	+21°	2436	12	30.0	+21	59.8	7.3	✓
78	+21°	2439	12	31.9	+21	52.5	5.7	✓
79	+22°	2500	12	33.1	+22	19.2	8.0	✓
80	+23°	2479	12	31.8	+23	26.7	7.0	✓
81	+24°	2480	12	31.5	+24	26.6	8.6	✓

Tuesday, February 3, 1914

I 37508 long

No.	Int.	Class	Remark
✓ 82	3	F8	
✓ 83	2	F8	
✓ 84	4	Ko	
✓ 85	2	F	
✓ 86	1	Ko	
✓ 87	2	Ma	
✓ 88	7	F5	
✓ 89	5	G5	
✓ 90	8	G5	
✓ 91	7	Ko	
✓ 92	10+	Ko	Σ.
✓ 93	5	F8	
10.24 ✓ 94	3	G2	
95			
96			
97			
98			
95	2	G0	



82	+25°	2538	12	31.7	+25	11.4	8.5 ✓
83	+24°	2477	12	29.5	+24	27.0	8.8 ✓
84	+25°	2548	12	35.9	+25	6.1	8.0 ✓
85	+25°	2549	12	36.0	+25	24.3	8.5 ✓
86	+24°	2488	12	36.3	+24	48.0	8.6 ✓
87	+24°	2489	12	37.9	+24	23.3	8.0 ✓
88	+24°	2493	12	39.4	+24	56.5	6.5 ✓
89	+24°	2495	12	40.9	+24	53.5	7.1 ✓
90	+25°	2568	12	41.7	+25	38.6	6.0 ✓
91	+23°	2502	12	43.1	+23	39.4	6.5 ✓
92	+22°	<sup>1</sup> 2509	12	46.2	+22	2.7	5.2 ✓
93	+22°	<sup>2</sup> 2507	12	47.5	+22	54.0	7.0 ✓
94	+22°	<sup>1</sup> 2507	12	42.7	+22	26.7	8.3 ✓

Identified on cards by AMB Feb. 20, 1914  
 Identified in book by J. B. M. March 10, 1914.  
 Identification compared, cards + book. G. R. B.

✓ 95 +29 2292

1 on 22294

10.26

Tuesday, February 3, 1914

I 38325 long

G, F, M, Rec.	No.	Int.	Class	Remark
✓ 1	5		G <sub>0</sub>	
✓ 2	2		F <sub>8</sub>	
✓ 3	2		G <sub>5</sub>	
✓ 4	2		K <sub>0</sub>	
✓ 5	4		F <sub>0</sub>	
✓ 6	9		A <sub>2</sub>	
✓ 7	2		K <sub>0</sub>	
✓ 8	4		F <sub>2</sub>	
✓ 9	2		A <sub>0</sub>	
✓ 10	1		F <sub>2</sub>	
✓ 11	1		K <sub>2</sub>	
✓ 12	3		K <sub>0</sub>	
✓ 13	1		G <sub>5</sub>	
✓ 14	3		G <sub>5</sub>	
✓ 15	1		K <sub>0</sub>	
✓ 16	6		F <sub>5</sub>	
✓ 17	2		G <sub>5</sub>	
✓ 18	1		K <sub>0</sub>	
✓ 19	2		G <sub>0</sub>	
✓ 20	1		K <sub>2</sub>	
✓ 21	4		K <sub>0</sub>	
✓ 22	1		G <sub>5</sub>	
✓ 23	1		K <sub>0</sub>	
✓ 24	6		F <sub>0</sub>	
25	7		F <sub>8</sub>	
✓ 26	3		G <sub>0</sub>	
✓ 27	3		A <sub>2</sub>	



1	+22°	2464	12	14.4	+22	39.9	7.4 ✓
2	+23°	2453	12	15.1	+23	16.2	8.4 ✓
3	+22°	2467	12	17.2	+22	58.3	8.5 ✓
4	+21°	2422	12	20.8	+21	9.7	7.7 ✓
5	+20°	2725	12	21.5	+20	45.4	8.0 ✓
6	+21°	2424	12	22.4	+21	42.0	5.8 ✓
7	+22°	2478	12	23.1	+22	44.9	7.0 ✓
8	+22°	2482	12	24.3	+22	22.7	8.0 ✓
9	+22°	2483	12	24.4	+22	55.8	8.6 ✓
10	+22°	2485	12	25.7	+22	30.5	8.5 ✓
11	+21°	2428	12	24.9	+21	42.7	8.6 ✓
12	+24°	2426	12	24.0	+21	1.8	8.0 ✓
13	+20°	2730	12	25.0	+20	48.1	8.5 ✓
14	+21°	2430	12	26.2	+21	13.5	7.8 ✓
15	+21°	2431	12	27.3	+21	41.1	8.3 ✓
16	+21°	2434	12	29.6	+21	0.9	7.7 ✓
17	+20°	2748	12	32.1	+20	49.8	8.3 ✓
18	+20°	2751	12	32.4	+20	43.7	8.6 ✓
19	+20°	2753	12	33.2	+20	33.5	8.5 ✓
20	+20°	2755	12	34.4	+20	39.9	8.5 ✓
21	+19°	2594	12	34.2	+19	52.6	8.0 ✓
22	+19°	2599	12	35.4	+19	31.8	8.5 ✓
23	+19°	2596	12	35.1	+19	3.9	8.7 ✓
24	+21°	2451	12	36.8	+21	57.5	7.5 ✓
25	+22°	2506	12	37.2	+22	47.1	7.4 ✓
26	+22°	2503	12	34.2	+22	38.0	8.3 ✓
27	+21°	2455	12	39.3	+21	51.3	8.0 ✓

Tuesday, February 3, 1914

38325 long

No	Int.	Class	Remark
✓ 28	2	K <sub>0</sub>	
✓ 29	2	G <sub>5</sub>	
✓ 30	1	K <sub>2</sub>	
✓ 31	2	G <sub>5</sub>	
✓ 32	5	F <sub>8</sub>	
✓ 33	7	K <sub>0</sub>	
✓ 34	2	Ma	
✓ 35	3	K <sub>2</sub>	Σ.
✓ 36	2	K <sub>2</sub>	Σ.
✓ 37	2	K <sub>2</sub>	
✓ 38	2	G <sub>5</sub>	
39	1	K <sub>2</sub>	
✓ 40	1	G <sub>5</sub>	
✓ 41	1	K <sub>2</sub>	
✓ 42	5	K <sub>0</sub>	
✓ 43	7	G <sub>0</sub>	
✓ 44	1	F <sub>5</sub>	
✓ 45	2	Ma	
✓ 46	4	K <sub>2</sub>	
✓ 47	5	G <sub>5</sub>	Nearly all sup. on 48
✓ 48	8	G <sub>5</sub>	Nearly all sup. on 47
✓ 49	7	K <sub>2</sub>	
✓ 50	4	F <sub>2</sub>	
✓ 51	5	F <sub>5</sub>	
✓ 52	2	G <sub>2</sub>	
✓ 53	8	K <sub>0</sub>	
✓ 54	6	K <sub>0</sub>	



28	+22°	2512	12	40.7	+22	26.4	7.6	✓
29	+23°	2492	12	39.9	+23	22.9	7.9	✓
30	+23	2494	12	40.7	+23	30.6	7.6	✓
31	+24°	249 <sup>1</sup> <sub>3</sub>	12	39. <sup>2</sup> <sub>4</sub>	+24	<sup>6.6</sup> <del>56.5</del>	<sup>8.3</sup> <del>6.5</del>	✓
32	+19°	2607	12	40.6	+19	49.4	7.4	✓
33	+19°	2608	12	40.8	+19	37.4	7.0	✓
34	+20°	2761	12	41.1	+20	6.7	7.5	✓
35	+20°	2713	12	15.4	+20	57.4	8.0	✓
36	+20°	2715	12	16.0	+20	28.1	8.0	✓
37	+19°	2563	12	17.3	+19	29.0	7.8	✓
38	+18°	2606	12	17.3	+18	40.3	8.0	✓
39	+18 <sup>9</sup> °	<sup>5</sup> 2665	12	18.3	+19	39.7	8.5	✓
40	+19°	<sup>5</sup> 2668	12	19.2	+19	42.1	8.5	✓
41	+19°	2571	12	20.8	+19	8.1	8.0	✓
42	+18°	2611	12	20.3	+18	38.9	7.0	✓
43	+18°	2614	12	22.0	+18	7.8	7.5	✓
44	+18°	2616	12	22.6	+18	43.7	8.5	✓
45	+18°	2617	12	22.8	+18	41.9	7.3	✓
46	+17°	2489	12	23.8	+17	25.3	7.5	✓
47 } 48 }	+19°	2584	12	27.9	+19	10.6	4.3	✓ ✓
49	+17°	2504	12	29.7	+17	53.6	5.8	✓
50	+17°	2511	12	31.9	+17	17.1	7.8	✓
51	+17°	2521	12	33.2	+17	4.9	8.2	✓
52	+17°	2532	12	39.2	+17	18.2	8.6	✓
53	+17°	2533	12	39.4	+17	22.5	5.2	✓
54	+16°	2420	12	39.9	+16	23.8	7.3	✓

Tuesday, February 3, 1914

I 38 325 long

No.	Int.	Class	Remarks
10.36	✓ 55	2	78
	56		
	57		



55 + 18° 2655 12 37.5 + 18 29.9 8.0 v

Identified on cards by AMC, Mar. 4, 1914

Identified in Book by J.B.M. March 11, 1914.

Identification compared, cards + book, G.R.B.















1913phae.proj.2156C