

1914phae.proj.2170C























This book was examined for additional stars by a.m.c. Jan. 4, 1917

Thursday, April 16, 1914

B 421<sup>45</sup>87 long

No.	Sub.	Sp.	
1	3	78	[Adopt]

2	2	B9	
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1 1 - 30° 852 2 17.8 - 30 26.4 7.5

Identified in book by J B M. May 12, 1914

2 - 30° 850 No. 108 m B41068, 53 m B23780

Thursday, April 14, 1914

J37238

No.	Sub.	Sp.	
v 1	6	Oe	H $\beta$ br. ? 4633 bright, 4471 dark [Adopt]
(2)	3	G0	
	7	G2	Spectrum composite

3 7 G0p

Hyd. strong 4077 strong.  
4172 ? very strong.

4 5 F12



1 +18° 4276 19 45.9 +18 17.5 6.6

Ident. on card by Amc. Dec. 30, 1914

Ident. in Book by M.A.H. July 6, 1915

2. +16 4053 19 47.2 +16 24 7.3 171 m 38235

3 S Sagittae

4 +18° 4248 19 42.0 +18 18 7.7

Friday, July 17, 1914

I 33227 short for star spectrum  
on another on long dispersion I 37382

No.	Sub.	Sp.
1	7	95
2	5	Ko



1 +39 3 0 0.2 + 39 20.5 6.7 ✓  
2 +39 2 0 0.1 + 39 15.8 7.2 ✓

Tuesday, July 28, 1914  
B-19958 short

	No	Int	Class	Remark
12:42	✓ 1	2	F8	
	✓ 2	1	K5	
	✓ 3	2	K0	
	✓ 4	1	K0	
	✓ 5	4	L5	
	✓ 6	1	K2	
	✓ 7	1	A0	
	✓ 8	1	F8	
	✓ 9	2	G0	
	✓ 10	3	G0	
	✓ 11	1	K2	
	✓ 12	1	G0	
	✓ 13	2	F8	
	✓ 14	2	A0	
	✓ 15	2	F5	
	✓ 16	1	K5	
	✓ 17	2	G0	
	✓ 18	1	G0	
	✓ 19	3	F8	
	✓ 20	2	K2	
	✓ 21	3	A3	
	✓ 22	3	F5	
	✓ 23	2	F8	
	✓ 24	4	F5	
	✓ 25	2	F8	
	✓ 26	4	K0	
	✓ 27	4	G0	



1	$-41^{\circ} 136$	0	56.7	-4	52	9.0	✓	
2	$-4^{\circ} 129$	0	54.4	-4	23	9.0	✓	
3	$-5^{\circ} 173$	0	54.1	-5	13	9.0	✓	
4	$-3^{\circ} 172$	0	53.9	-5	12	9.0	✓	
5	$-5^{\circ} 168$	0	52.5	-5	58	8.3	✓	
6	$-5^{\circ} 163$	0	52.2	-5	53	8.8	✓	
7	$-6^{\circ} 177$	0	51.6	-6	12	9.8	✓	$-6^{\circ} 178$ <sup>see chart</sup> <sup>plate</sup> 0 51.7 -6 13 9.6 superposed
8	$-5^{\circ} 161$	0	50.9	-5	40	9.3	✓	
9	$-6^{\circ} 167$	0	49.1	-6	8	9.0	✓	
10	$-6^{\circ} 165$	0	48.7	-6	15	8.6	✓	
11	$-5^{\circ} 150$	0	47.9	-5	25	9.2	✓	
12	$-5^{\circ} 153$	0	48.4	-5	19	9.3	✓	
13	$-4^{\circ} 111$	0	47.7	-4	38	9.2	✓	
14	$-3^{\circ} 123$	0	46.9	-3	28	9.2	✓	
15	$-3^{\circ} 115$	0	45.0	-3	43	9.1	✓	
16	$-4^{\circ} 106$	0	45.3	-4	4	9.2	✓	
17	$-5^{\circ} 140$	0	44.0	-5	29	9.3	✓	
18	$-5^{\circ} 136$	0	43.4	-5	5	9.2	✓	
19	$-4^{\circ} 102$	0	42.6	-4	48	9.1	✓	
20	$-4^{\circ} 100$	0	42.1	-4	12	9.1	✓	
21	$-4^{\circ} 96$	0	40.8	-4	6	9.2	✓	
22	$-3^{\circ} 100$	0	40.4	-3	60	9.1	✓	
23	$-4^{\circ} 93$	0	38.5	-4	26	9.4	✓	
	$-4^{\circ} 92$	0	38.3	-4	29	8.9		
24	<del><math>-5^{\circ} 95</math></del>	<del>0</del>	<del>32.3</del>	<del>-5</del>	<del>43</del>	<del>8.8</del>	✓	
25	$-4^{\circ} 88$	0	37.4	-4	59	9.2	✓	
	$-5^{\circ} 119$	0	38.0	-5	48	8.8		
26	<del><math>-6^{\circ} 157</math></del>	<del>0</del>	<del>40.9</del>	<del>-6</del>	<del>27</del>	<del>9.1</del>	✓	
27	$-6^{\circ} 131$	0	38.7	-6	26	9.0	✓	

Tuesday, July 28, 1914  
B19958 short

No	Int.	Class
✓ 28	1	L <sub>90</sub>
✓ 29	2	F <sub>10</sub>
✓ 30	2	F <sub>18</sub>
✓ 31	2	K <sub>5</sub>
✓ 32	2	L <sub>90</sub>
✓ 33	1	F <sub>18</sub>
✓ 34	1	L <sub>95</sub>
✓ 35	3	L <sub>90</sub>
✓ 36	2	L <sub>95</sub>
✓ 37	2	K <sub>2</sub>
✓ 38	2	K <sub>5</sub>
✓ 39	3	K <sub>2</sub>
✓ 40	2	L <sub>95</sub>
✓ 41	2	K <sub>0</sub>
✓ 42	1	K <sub>5</sub>
✓ 43	1	K <sub>5</sub>
✓ 44	2	K <sub>0</sub>
✓ 45	2	L <sub>90</sub>
✓ 46	1	F <sub>15</sub>
✓ 47	1	L <sub>95</sub>
✓ 48	2	K <sub>0</sub>
✓ 49	4	A <sub>0</sub>
✓ 50	3	F <sub>18</sub>
✓ 51	2	F <sub>18</sub>
✓ 52	2	F <sub>15</sub>
✓ 53	3	L <sub>95</sub>
✓ 54	2	F <sub>18</sub>



28	$-6^{\circ} 125$	0	37.3 -6	14	9.1 ✓
29	$-6^{\circ} 122$	0	36.7 -6	42	9.1 ✓
30	$-7^{\circ} 112$	0	36.5 -7	17	9.1 ✓
31	$-7^{\circ} 110$	0	36.2 -7	12	9.0 ✓
32	$-7^{\circ} 114$	0	36.9 -7	42	9.1 ✓
33	$-8^{\circ} 132$	0	37.2 -8	14	9.4 ✓
34	$-8^{\circ} 130$	0	37.1 -8	13	9.2 ✓
35	$-8^{\circ} 128$	0	36.6 -8	19	9.1 ✓
36	$-8^{\circ} 121$	0	35.3 -8	20	9.1 ✓
37	$-8^{\circ} 134$	0	37.9 -8	58	9.0 ✓
38	$-9^{\circ} 150$	0	38.9 -9	7	8.9 ✓
39	$-9^{\circ} 153$	0	40.1 -9	13	8.8 ✓
40	$-9^{\circ} 159$	0	41.7 -9	31	9.4 ✓
41	$-8^{\circ} 146$	0	42.5 -8	46	9.0 ✓
42	$-8^{\circ} 147$	0	42.6 -8	53	9.2 ✓
43	$-7^{\circ} 130$	0	44.6 -7	55	<sup>8.6</sup> <del>8.8</del> ✓
44	$-6^{\circ} 141$	0	41.9 -6	58	8.7 ✓
45	$-7^{\circ} 122$	0	39.9 -7	22	9.1 ✓
46	$-7^{\circ} 121$	0	39.4 -7	8	9.3 ✓
47	$-7^{\circ} 124$	0	40.4 -7	57	8.2 ✓
48	$-7^{\circ} 138$	0	47.9 -7	7	8.6 ✓
49	$-7^{\circ} 142$	0	48.1 -7	12	9.0 ✓
50	$-7^{\circ} 147$	0	49.2 -7	23	9.0 ✓
51	$-6^{\circ} 174$	0	51.3 -6	56	9.1 ✓
52	$-7^{\circ} 153$	0	51.2 -7	46	9.1 ✓
53	$-8^{\circ} 174$	0	51.4 -8	32	9.0 ✓
54	$-6^{\circ} 192$	0	55.4 -6	37	9.1 ✓

Tuesday, July 28, 1914  
B19958 short

No	Int.	Class	Remark
✓ 55	3	G5	
✓ 56	3	F8	
✓ 57	4	F8	
✓ 58	3	G5	
✓ 59	1	K2	
✓ 60	1	K5	
✓ 61	2	F8	
✓ 62	3	G0	
✓ 63	1	G0	
✓ 64	1	G0	
✓ 65	3	A0	
✓ 66	2	F8	
✓ 67	1	G0	
✓ 68	1	K2	
✓ 69	2	K0	
✓ 70	2	G0	
✓ 71	2	K2	
✓ 72	2	F8	
✓ 73	2	G5	
✓ 74	4	F0	
✓ 75	3	G5	
✓ 76	4	K0	
✓ 77	2	A3	
✓ 78	3	F8	
✓ 79	3	K0	
✓ 80	3	K5	
✓ 81	4	K0	



55	-6° 197	0	56.1	-6	22	8.5 ✓
56	-9° 197	0	52.9	-9	37	8.8 ✓
57	-9° 205	0	54.8	-9	38	9.0 ✓
58	-8° 185	0	56.9	-8	58	8.9 ✓
59	-8° 182	0	55.2	-8	48	9.0 ✓
60	-9° 206	0	55.1	-9	10	9.1 ✓
61	-6° 152	0	44.4	-6	22	9.1 ✓
62	-6° 145	0	42.9	-6	39	8.9 ✓
63	-6° 158	0	46.1	-6	32	9.3 ✓
64	-6° 157	0	45.9	-6	27	9.1 ✓
65	-8° 164	0	48.1	-8	39	9.1 ✓
66	-6° 115	0	34.4	-6	49	8.9 ✓
67	-6° 119	0	35.1	-6	31	9.2 ✓
68	-6° 117	0	35.0	-6	30	9.2 ✓
69	-7° 94	0	31.1	-7	38	9.1 ✓
70	-8° 108	0	30.9	-8	13	9.2 ✓
71	-8° 99	0	29.4	-8	26	9.0 ✓
72	-8° 97	0	29.1	-8	32	9.1 ✓
73	-6° 110	0	32.4	-6	4	9.0 ✓
74	-5° 95	0	32.3	-5	43	8.8 ✓
75	-10° 161	0	39.8	-10	45	8.6 ✓
76	-10° 159	0	39.2	-10	22	8.3 ✓
77	-10° 158	0	39.0	-10	15	8.9 ✓
78	-10° 148	0	36.7	-10	14	9.1 ✓
79	-10° 142	0	36.0	-10	7	8.5 ✓
80	-11° 125	0	35.7	-11	18	8.3 ✓
81	-11° 172	0	48.4	-11	50	8.7 ✓

Tuesday, July 28, 1914  
B19958 short

1:12 <sup>08</sup>	✓	No	Int	Class	Remark
		82	1	g0	
		83			
		84			
		85			
		83	5	F18	
		84	4	Q2	
		85	4	F15	
		86	3	K0	
		87	4	G5	
		88			



82 - 8° 159 0 46.3 - 8 38 9.1 ✓  
✓

Identified on cards by Amc. July 28, 1914  
Identified here July 29 1914  
Compared by M.A.H. July 30, 1914

✓ 83	- 8°	126	0	36.4	- 8	22	9.0	64 on Bickford
✓ 84	- 5	128	0	40.3	- 5	18	9.2	4 "
✓ 85	- 4	97	0	41.2	- 4	40	9.0	3 "
✓ 86	- 6	156	0	45.8	- 6	25	8.6	79 "
✓ 87	- 9	175	0	45.4	- 9	7	8.8	68 "

Tuesday, July 28, 1914  
B 14158 short

	No	Int.	Class	Remark
1:08	✓ 1	1	lys	
	✓ 2	3	F <sub>8</sub>	
	✓ 3	2	F <sub>12</sub>	
	✓ 4	3	K <sub>0</sub>	
	✓ 5	1	K <sub>0</sub>	
	✓ 6	4	lys	
	✓ 7	2	K <sub>2</sub>	
	✓ 8	2	lys	
	✓ 9	3	F <sub>8</sub>	
	✓ 10	2	F <sub>8</sub>	!
	✓ 11	1	F <sub>15</sub>	
	✓ 12	3	F <sub>15</sub>	
	✓ 13	3	K <sub>2</sub>	
1:10	✓ 14	3	lys	
	15			
	16			
	17			
	18			
	15	3	lys	
	16	3	F <sub>10</sub>	



1	-12° 143	0	42.3	-12	60	9.0	✓
2	-12° 154	0	44.9	-12	40	8.9	✓
3	-11° 167	0	46.3	-11	28	9.0	✓
4	-11° 171	0	48.3	-11	32	8.5	✓
5	-11° 173	0	48.6	-11	24	9.0	✓
6	-11° 172	0	48.4	-11	50	8.7	✓
7	-12° 163	0	48.8	-12	19	9.0	✓
8	-12° 161	0	47.9	-12	59	9.2	✓
9	-11° 179	0	50.8	-11	54	8.9	✓
10	-12° 176	0	52.2	-12	40	9.1	✓
11	-12° 177	0	52.4	-12	43	9.2	✓
12	-12° 179	0	53.0	-12	48	9.0	✓
13	-12° 190	0	54.9	-12	2	8.6	✓
14	-11° 195	0	55.9	-11	14	8.7	✓

Identified on cards by A.M.C. July 29, 1914  
 Identified here July 29, 1914  
 Compared by M.A.H. July 30, 1914

✓ 15	-10	220	0	55.7	-10	38	8.4	122 on B14F08
✓ 16	-11	163	0	45.0	-11	31	9.0	114 " "

Tuesday, July 28, 1914  
J 38219 long

No Int. Class  
1 2  
2

See 94, 52





Monday, October 19, 1914

I 32596 short. (for star +58°89)

1. 4 K<sub>2</sub>

not seen on long dispersion plates  
I 38060, I 38842. May be due  
to proximity of +58°88, or it  
may be variable.



1 +58° 89

0 32.2 + 38 42 7.3

✓

Ident. on Card by Amc. Jan. 5, 1915

Ident. in book by L.D.W. Jan. 6, 1915

Identification compared by S.R.B. Jan. 6, 1915

Monday, Oct. 19, 1914

B44491 Long

	No	Int.	Class	Remark
3:40	✓	1 8	B8	
	✓	2 6	F <sub>2</sub>	
	✓	3 5	B9	
	✓	4 4	K0	
	✓	5 5	Q0	
	✓	6 6	F <sub>2</sub>	
	✓	7 3	K0	
3:41	✓	8 3	Q0	



1	-24°	11202	13	51.5	-24	21	5.7✓
2	-24°	11215	13	53.0	-24	24	6.3✓
3	-22°	3685	13	48.9	-22	23	7.8 <sup>7</sup> ✓
4	-22°	3687	13	49.4	-22	18	6.6✓
5	-23°	11386	13	50.1	-23	48	7.2✓
6	-21°	3824	13	55.8	-21	43	6.5✓
7	-21°	3831	13	57.0	-21	55	7.5✓
8	-21°	3869	14	7.0	-21	53	7.9✓

Identified on cards by Amc. Nov. 16, 1914

Identified in book by J. L. M. Nov. 23, 1914.

Identification compared by G. K. B. Nov. 24, 1914

Monday, Oct. 19, 1914

B 10055 long

No	Int.	Class	Remark
✓ 1	6	A <sub>0</sub>	
✓ 2	2	F <sub>0</sub>	
✓ 3	3	F <sub>2</sub>	
✓ 4	4	F <sub>0</sub>	
✓ 5	3	A <sub>2</sub>	
✓ 6	3	F <sub>0</sub>	
✓ 7	3	A <sub>0</sub>	
✓ 8	4	A <sub>2</sub>	
✓ 9	6	A <sub>2</sub>	
✓ 10	5	F <sub>0</sub>	
✓ 11	3	A <sub>2</sub>	
✓ 12	2	A <sub>2</sub>	
✓ 13	5	F <sub>0</sub>	
✓ 14	4	F <sub>8</sub>	
✓ 15	8	L <sub>5</sub>	
✓ 16	4	F <sub>2</sub>	
17			

17 6

K<sub>0</sub>



1	-12°	3843	13	27.0	-12	28	5.7	✓
2	-12°	3840	13	26.8	-12	36	7.9	✓ -12° 3841 sup. 8.8
3	-11°	3535	13	24.7	-11	55	7.8	✓ -11° 3537 sup. 9.0
4	-12°	3830	13	23.5	-12	42	6.8	✓
5	-12°	3802	13	15.1	-12	26	7.4	✓
6	-11°	3487	13	11.3	-11	53	7.3	✓
7	-11°	3486	13	11.2	-11	14	7.5	✓
8	-10°	3652	13	12.1	-10	55	7.7	✓
9	-10°	3644	13	9.7	-10	43	6.8	✓
10	-9°	3654	13	9.9	-9	47	7.0	✓
11	-8°	3550	13	17.7	-8	2	7.2	✓
12	-8°	3576	13	23.8	-8	22	7.5	✓
13	-6°	3839	13	25.8	-6	53	7.0	✓
14	-7°	3643	13	26.7	-7	52	7.0	✓
15	-9°	3711	13	25.3	-9	25	5.8	✓
16	-10°	3705	13	26.6	-10	47	7.8	✓

Identified on cards by Ame. Nov. 6, 1914

Identified in book by J.B.M. Nov. 7, 1914.

Identification compared by E.R.B. Nov. 7, 1914

✓ 17 -8 3491 13 1.0 -8 12 5.5 50 m B 19142

Wed. Oct. 21, 1914

Companions to bright star for Kapteyn.

I 21920 (1900) 4 30.2 +9 57 near +9° 60'

no.	int.	Sp.
1	6	g0

B 42625 (1900) 23 10.7 -9 38

no.	int.	Sp.
1	1	g5 very ft.

J 31146 (1900) 8 55.8 +28 18 near 64 Cassio

no.	int.	Sp.
1	1	K2





Thursday, Oct. 22, 1914

Companion's Bright Stars for Kapteyn.  
near Positions 1900.

X Cygni 19 41.6 + 33 30

I 34630

Seen best in this plate, but can  
not classify.

I 35360, 30130 also examined, but not as good as I 34630.

~~19 41.8 + 33 23~~

✓ near X Aurigae

1 5-2.3 + 23 7

Check I 9496

Sp. I 11492

I 34630

g.

Int. 2.

19 41.8 + 33 23 (1900)

✓ Dm + 330 3581a

3582

Sp. Ro.

Int. 3





Wednesday, Oct. 28, 1914

38896 long

	No. Obs.	Class	Remark
12:40	✓ 1 1	A <sub>0</sub>	
	✓ 2 1	K <sub>2</sub>	
	✓ 3 2	K <sub>0</sub>	
	✓ 4 9	B <sub>9</sub>	
	✓ 5 5	K <sub>0</sub>	
	✓ 6 1	A	
	✓ 7 1	K <sub>0</sub>	
	✓ 8 3	A <sub>0</sub>	
	✓ 9 2	F <sub>8</sub>	Two stars? Image hazy
	✓ 10 2	F <sub>5</sub>	
	✓ 11 6	F <sub>8</sub>	
	✓ 12 3	A <sub>0</sub>	
	✓ 13 2	K <sub>5</sub>	
	✓ 14 4	B <sub>2</sub>	Lines wide and hazy
	✓ 15 7	A <sub>0</sub>	
	✓ 16 10 <sup>+</sup>	A <sub>0</sub>	
	✓ 17 2	A <sub>0</sub>	
	✓ 18 1	F <sub>8</sub>	
	✓ 19 1	G <sub>5</sub>	
	✓ 20 1	K <sub>0</sub>	
	✓ 21 2	A	Lines very wide.
	✓ 22 1	M <sub>2</sub>	
	✓ 23 1	G <sub>5</sub>	
	✓ 24 1	K <sub>0</sub>	
	✓ 25 2	A <sub>0</sub>	
	✓ 26 4	A <sub>0</sub>	
	✓ 27 1	K <sub>0</sub>	



1	+44° 4519	23	47.5	+44	58	8.8	
	<del>+45° 4358</del>	<del>23</del>	<del>47.3</del>	<del>+45</del>	<del>8</del>	<del>8.7</del>	
2	+45° 4367	23	49.1	+45	12	8.2	✓
3	+45° 4376	23	51.1	+45	29	8.2	✓
4	+44° 4534 <sup>98</sup>	23	53.4	+44	27	6.0	✓
5	+43° 4605	23	54.2	+43	52	6.6	✓
6	+43° 4606	23	54.6	+43	16	9.0	✓
7	+43° 4608	23	54.8	+43	37	8.6	✓
8	+43° 4616	23	56.2	+43	28	8.5	✓
9	+44° 4543	23	55.7	+44	17	8.4	
	<del>+45° 11</del>	<del>0</del>	<del>2.0</del>	<del>+45</del>	<del>33</del>	<del>7.0</del>	✓
10	+45° 4401	23	55.7	+45	6	8.7	✓
11	+44° 4549	23	57.6	+44	52	7.2	✓
12	+43° 4627	23	58.2	+43	40	8.0	✓
13	+43° 4631	23	58.7	+43	15	7.4	✓
14	+42° 4831	23	58.2	+42	35	8.5	✓
15	+42° 4817	23	53.3	+42	7	7.3	✓
16	+41° 4920	23	54.3	+41	33	6.5	✓
17	+41° 4923	23	54.7	+41	19	8.9	✓
18	+42° 4834	23	59.1	+42	58	9.0	✓
19	+42° 10	0	2.4	+42	39	8.8	+42° 11 0 2.4 +42 34 9.0 <sup>54/100</sup>
20	+43° 10	0	2.5	+43	17	8.8	✓
21	+43° 12	0	3.6	+43	30	9.2	✓
22	+43° 18	0	4.7	+43	1	8.0	✓
23	+43° 24	0	6.1	+43	23	9.0	✓
24	+43° 26	0	6.4	+43	38	8.7	+43° 23 0 6.3 +43 34 9.4 <sup>54/100</sup> +43° 27 0 6.4 +43 36 9.2 <sup>54/100</sup>
25	+44° 44	0	7.0	+44	4	8.5	✓
26	+43° 16 <sup>32</sup>	0	7.2	+43	60	8.4	✓
27	<del>+44° 46</del>	<del>0</del>	<del>7.1</del>	<del>+44</del>	<del>29</del>	<del>9.4</del>	
	<del>+43° 33</del>	<del>0</del>	<del>7.9</del>	<del>+43</del>	<del>23</del>	<del>6.7</del>	
	<del>+44° 46</del>	<del>0</del>	<del>7.7</del>	<del>+44</del>	<del>23</del>	<del>8.3</del>	

Wednesday, Oct. 28, 1914  
938896 long

No	Int.	Class	Remark
✓ 28	3	F8	
✓ 29	5	K0	
✓ 30	3	K2	
✓ 31	1	K2	
✓ 32	7	Q2	
✓ 33	3	F8	
✓ 34	2	Q3	
✓ 35	2	Q	E
✓ 36	2	K2	E
✓ 37	1	K2	
✓ 38	1	F8	
✓ 39	1	G5	
✓ 40	1	K0	
✓ 41	1	K0	
✓ 42	1	Q	
✓ 43	1	K0	
✓ 44	2	G5	
✓ 45	1	K2	
✓ 46	1	F2	
✓ 47	1	G5	
✓ 48	1	K0	
✓ 49	2	K0	
✓ 50	3	K0	
✓ 51	4	F0	
✓ 52	2	Q3	
✓ 53	2	F5	
✓ 54	2	G5	



28	+44° 48	0	7.8 + 44	12	8.0	
	<del>+44° 45</del>	<del>0</del>	<del>7.7 + 44</del>	<del>23</del>	<del>8.5</del>	
29	+43° 45	0	10.3 + 43	46	7.0	✓
30	+43° 47	0	10.7 + 43	46	6.5	✓
31	+43° 54	0	12.5 + 43	8	7.8	✓
32	+42° 57	0	12.9 + 42	54	8.0	✓
33	+42° 53	0	11.9 + 42	52	8.9	✓
34	+42° 55	0	12.3 + 42	4	8.2	✓
35	+40° 52	0	11.4 + 40	38	8.9	✓
36	+39° 52	0	10.4 + 39	56	7.6	✓
37	+41° 25	0	10.9 + 41	10	8.3	✓
38	+41° 34	0	10.2 + 41	17	9.3	✓
39	+41° 29	0	9.8 + 41	29	8.8	✓
40	+41° 27	0	8.3 + 41	32	8.8	✓
41	+42° 62	0	13.4 + 42	31	8.6	✓
	<del>+42° 60</del>	<del>0</del>	<del>13.2 + 42</del>	<del>27</del>	<del>9.5</del>	✓
42	+42° 59	0	13.2 + 42	47	9.0	✓
43	+42° 61	0	13.3 + 42	55	8.3	✓
44	+42° 68	0	15.9 + 42	50	8.7	✓
45	+43° 80	0	18.3 + 43	22	8.5	✓
46	+43° 84	0	18.9 + 43	14	8.6	✓
47	+43° 83	0	18.7 + 43	2	8.9	✓
48	+43° 77	0	18.0 + 43	45	8.8	✓
49	+44° 95	0	20.6 + 44	25	7.9	✓
50	+44° 94	0	20.3 + 44	56	8.2	✓
	<del>+44° 93</del>	<del>0</del>	<del>20.1 + 44</del>	<del>60</del>	<del>9.5</del>	
51	+44° 97	0	20.9 + 44	59	8.5	✓
52	+45° 116	0	22.1 + 45	35	8.6	✓
53	+45° 119	0	22.4 + 45	9	8.5	✓
54	+44° 101	0	22.1 + 44	12	8.8	✓

Wednesday, Oct. 28, 1914  
 38896 long

No	Int.	Class	Remark
✓ 55	2	A0	
✓ 56	2	F8	
✓ 57	3	G5	
✓ 58	3	F8	
✓ 59	1	A0	
✓ 60	4	B9	
✓ 61	2	Ma	
✓ 62	1	K2	
✓ 63	1	G5	
✓ 64	1	A3	
✓ 65	2	G5	
✓ 66	2	G5	
✓ 67	2	A0	
✓ 68	5	A2	
✓ 69	2	G5 E	
✓ 70	3	A0	
✓ 71	1	G5	
✓ 72	1	A0	
✓ 73	5	F8	
✓ 74	4	A0	
✓ 75	9	A0	
✓ 76	1	G5	
✓ 77	3	A0	
✓ 78	2	K2	
✓ 79	7	B9	
✓ 80	10	F2	
✓ 81	1	K0	



55	+41° 102	0	22.3	+44	15	9.0	✓
56	+44° 110	0	24.6	+44	6	8.8	✓
57	+44° 114	0	25.7	+44	20	8.3	✓
58	+42° 92	0	23.3	+42	34	8.1	✓
59	+42° 96	0	24.3	+42	55	8.9	✓
60	+43° 99	0	24.6	+43	8	8.3	✓
61	+42° 103	0	26.0	+42	54	8.1	✓
62	+42° 100	0	24.9	+42	25	8.0	✓
63	+43° 104	0	26.3	+43	2	8.3	✓
64	+42° 106	0	26.4	+42	33	8.0	✓
65	+41° 87	0	27.2	+41	54	7.7	✓
66	+42° 108	0	27.4	+42	15	8.3	✓
67	+42° 119	0	29.4	+42	22	8.2	✓
68	+40° <del>104</del> 105	0	<del>23.1</del> 23.2	<del>+40</del> +40	<del>23</del> 52	<del>7.3</del> 8.1	✓ +40° 105 8.1 super
69	+40° 98	0	21.7	+40	2	7.6	✓
70	+41° 69	0	21.0	+41	35	8.4	✓
71	+41° 67	0	20.5	+41	23	8.4	✓
72	+40° 78	0	18.3	+40	44	8.5	✓
73	+46° 4241	23	55.1	+46	36	7.2	✓
74	+46° 4244	23	55.4	+46	27	8.0	✓
75	<sup>4373 4376</sup> +47° 4366	23	56.3	+47	38	6.4	✓
76	+47° 4377	23	57.8	+47	40	8.0	✓
77	+46° 4254	23	58.3	+46	17	8.4	✓
78	+45° 4	0	0.8	+45	54	7.5	✓
79	+45° 11	0	2.0	+45	35	7.0	✓
80	+45° 17	0	2.8	+45	16	5.2	✓
81	+44° 121	0	1.6	+44	44	8.0	✓

Wednesday, Oct. 28, 1914

738896 long

No	Int.	Class	Remark
✓ 82	81	K5	Almost Ma
✓ 83	1	F8	
✓ 84	5	K0	
✓ 85	1	A3	
✓ 86	3	A3	
✓ 87	3	A0	
✓ 88	2	G0	
✓ 89	3	G5	
✓ 90	2	A	Partly sup. on a bright star preceding
✓ 91	10+	B8	
✓ 92	7	F8	
✓ 93	4	A0	
✓ 94	2	A3	
✓ 95	4	A3	
✓ 96	1	A0	
✓ 97	1	A2	
✓ 98	1	G5	
✓ 99	2	K2	
✓ 100	4	F8	
✓ 101	1	A0	
✓ 102	1	A0	
✓ 103	1	A2	
✓ 104	4	K2	
✓ 105	2	A2	
✓ 106	6	G0	
✓ 107	4	A2	
✓ 108	3	A0	



82	+45° 21	0	4.9	+45	8	8.0	✓
83	+45° 23	0	4.6	+45	58	8.7	✓
84	+46° 20	0	4.6	+46	43	7.2	✓
85	+46° 22	0	5.6	+46	59	8.8	✓
86	+46° 36	0	7.6	+46	27	8.8	✓
86	+46° 32	0	7.2	+46	2	9.1	✓
87	+46° 37	0	7.7	+46	35	8.5	✓
87	+46° 38	0	7.7	+46	6	8.2	✓
88	+45° 38	0	7.3	+45	59	8.6	✓
88	+46° 32	0	7.2	+46	2	9.1	✓
89	+46° 38	0	7.7	+46	6	8.2	✓
90	+46° 44	0	9.2	+46	26	8.9	✓
91	+47° 50	0	9.5	+47	8	6.0	✓
92	+48° 84	0	12.8	+48	11	6.6	✓
93	+48° 83	0	12.8	+48	23	8.3	✓
94	+46° 67	0	15.5	+46	28	8.3	✓
95	+45° 83	0	16.5	+45	5	7.9	✓
96	+45° 85	0	17.2	+45	14	8.8	✓
97	+45° 80	0	16.1	+45	47	8.9	✓
98	+45° 86	0	17.2	+45	37	9.0	✓
99	+46° 78	0	18.9	+46	17	7.8	✓
100	+45° 100	0	19.6	+45	45	8.5	✓
101	+45° 103	0	19.8	+45	29	9.2	✓
102	+45° 106	0	20.0	+45	45	8.8	✓
103	+45° 104	0	19.9	+45	51	9.2	✓
104	+46° 88	0	20.7	+46	54	8.0	✓
105	+46° 91	0	21.8	+46	41	8.8	✓
106	+46° 95	0	22.9	+46	44	7.4	✓
107	+46° 107	0	25.6	+46	51	7.9	✓
108	+47° 137	0	26.5	+47	17	7.8	✓

Wednesday, Oct. 28, 1914  
 738896 long

No	Int	Class	Remark
✓ 109	7	F8	
✓ 110	7	A0	
✓ 111	7	Ly5	
✓ 112	2	Ma	
✓ 113	2	Ly0	
✓ 114	8	K0	
✓ 115	5	F5	
✓ 116	6	A3	
✓ 117	5	B9	
✓ 118	7	A2	
✓ 119	7	A0	
✓ 120	4	A0	
✓ 121	4	K5	
✓ 122	3	F8	
✓ 123	2	A5	
✓ 124	5	K0	
✓ 125	1	Ly5	
✓ 126	1	A0	
✓ 127	1	A0	
✓ 128	1	K0	
✓ 129	2	A2	
✓ 130	2	Ly5	
✓ 131	1	Ly5	
✓ 132	1	A2	
✓ 133	1	K2	
✓ 134	1	Ly5	
✓ 135	2	Ly0	

1:10



109	+47° 138	0	26.5	+47	7	7.4	✓
110	+47° 145	0	28.3	+47	45	6.8	✓
111	+46° 129	0	30.8	+46	10	7.0	✓
112	+44° 128	0	29.7	+44	48	8.5	✓
113	+44° 133	0	30.5	+44	24	8.8	✓
114	+49° 4309	23	54.0	+49	10	6.5	✓
115	+48° 4241	23	57.9	+48	58	7.4	✓
116	+48° 4244	23	58.5	+48	49	7.2	✓
117	+48° 25	0	3.2	+48	13	7.2	✓
118	+49° 30	0	5.5	+48 <sup>49</sup>	7	6.7	✓
119	+48° 40	0	5.8	+48	55	7.0	✓
120	+48° 53	0	8.1	+48	31	8.0	✓
121	+48° 60	0	9.3	+48	40	6.5	✓
122	+48° 67	0	10.7	+48	42	7.7	✓
123	+48° 117	0	17.3	+48	16	8.4	✓
124	+48° 126	0	18.6	+48	14	7.3	✓
125	+47° 86	0	17.0	+47	6	8.4	✓
126	+47° 78	0	15.4	+47	24	8.3	✓
127	+47° 105	0	20.0	+47	57	8.5	✓
128	+45° 122	0	23.0	+45	47	8.5	✓
129	+45° 134	0	25.1	+45	58	8.5	✓
130	+47° 4361	23	54.0	+47	8	8.5	✓
131	+46° 4251	23	57.6	+46	12	8.5	✓
132	+45° 4403	23	57.3	+45	48	8.9	✓
133	+46° 4255	23	58.8	+46	55	8.8	✓
134	+46° 4264	23	59.9	+46	54	8.3	✓
135	+44° 54	0	9.9	+44	58	8.8	✓

Wednesday, Oct. 28, 1914

938896 long

	No	Int.	Class	Remark
2:56	✓ 136	2	K <sub>2</sub>	
	✓ 137	2	A <sub>0</sub>	
	✓ 138	1	A <sub>0</sub>	
	✓ 139	1	A <sub>0</sub>	
	✓ 140	3	K <sub>2</sub>	
	✓ 141	1	K <sub>0</sub>	
	✓ 142	2	A <sub>5</sub>	
	✓ 143	3	F <sub>5</sub>	
	✓ 144	2	K <sub>0</sub>	
3:00	✓ 145	2	A <sub>0</sub>	E
	✓ 146	7	B <sub>9</sub>	

May 18, 1915.	147	8	B <sub>9</sub>	
	148	6	B <sub>9</sub>	
	149	6	F <sub>2</sub>	K line narrow?

cont. in 129, 6



136	+48° 2193	<sup>23</sup> 0	48.2 +48	8	8.0	✓
137	+48° 100	0	15.7 +48	58	8.8	✓
138	+49 67	0	16.1 +49	26	8.5	✓
139	+48° 71	0	11.5 +48	57	8.5	✓
140	+44° 64	0	13.5 +44	8	8.0	✓
141	+44° 60	0	12.8 +44	7	8.3	✓
142	+43° 4591	23	57.6 +43	56	8.4	✓
143	+41° 4903	23	49.9 +41	7	8.0	✓
144	+40° 5187	23	50.0 +40	48	7.8	✓
145	+39° 5211	23	53.6 +39	39	8.3	✓
146	+41° 91	0	19.4 +49	11	7.1	✓

Identified on cards by Amc. Oct. 29, 1914  
 Identified here Oct. 30<sup>31</sup> 1914 J.B.W.  
 Identification compared by B.R.B. Nov. 3, 1914

147	+42° 48	<del>59</del> 0	11 5.7 +42° 59.6	5.9	No. 33 on 37007.
148	+43° 33	0	7 43.0 +43	23.3	6.7 No. 30 " "

Cards made out by A.F.C. May 18, 1915.

✓ 149	+43° 72	0	16.4 +43	28	6.5 No. 69 on 37007
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Thursday, Oct. 29, 1914  
B 39866 short

	No. Int.	Class Remark
11:40	✓ 1 3	G <sub>0</sub> E
	✓ 2 2	F <sub>8</sub>
	✓ 3 5	G <sub>2</sub>
	✓ 4 1	G <sub>0</sub>
	✓ 5 2	G <sub>0</sub>
	✓ 6 3	G <sub>5</sub>
	✓ 7 1	G <sub>5</sub>
	✓ 8 2	G <sub>2</sub>
	✓ 9 2	F <sub>0</sub>
	✓ 10 1	G <sub>3</sub>
	✓ 11 3	F <sub>0</sub>
	✓ 12 1	F <sub>8</sub> Partly sup. on 11
	✓ 13 4	K <sub>2</sub>
	✓ 14 2	G <sub>3</sub>
	✓ 15 2	F <sub>5</sub>
	✓ 16 2	K <sub>0</sub>
	✓ 17 4	G <sub>5</sub>
	✓ 18 4	G <sub>0</sub>
	✓ 19 2	F <sub>8</sub>
	✓ 20 1	F <sub>8</sub>
	✓ 21 2	F <sub>5</sub> E
	✓ 22 6	G <sub>0</sub>
	✓ 23 2	F <sub>8</sub>
	✓ 24 8	G <sub>0</sub>
	✓ 25 1	G <sub>2</sub>
	✓ 26 1	G <sub>5</sub>
	✓ 27 4	G <sub>0</sub>



1 +2	1020 5	30.1 +2	13.7	9.0 ✓
2 +2	1026 5	33.8 +2	17.0	8.8 ✓
3 +1	1100 5	34.2 +1	4.8	9.0 ✓
4 +1	1101 5	34.2 +1	32.3	9.1 ✓
5 +1	1102 5	34.3 +1	48.1	9.1 ✓
6 +1	1103 5	34.8 +1	49.0	8.9 ✓
7 +1	1113 5	36.7 +1	43.0	9.5 ✓
8 +2	1049 5	38.5 +2	7.5	9.4 ✓
9 +2	1062 5	39.8 +2	0.4	9.0 ✓
10 +1	1129 5	39.7 +1	38.3	9.3 ✓
11 +1	1139 5	40.8 +1	16.1	9.0 ✓
12 +1	1138 5	40.8 +1	11.8	9.0 ✓
13 +1	1149 5	43.1 +1	39.3	9.0 ✓
14 +2	1087 5	48.5 +2	24.8	9.1 ✓
15 +3	1077 5	48.6 +3	50.4	8.3 ✓
16 +4	1074 5	47.6 +4	40.4	8.7 ✓
17 +5	1056 5	50.6 +5	29.1	8.3 ✓
18 +5	1055 5	50.5 +5	48.4	8.3 ✓
19 +6	1077 5	50.4 +6	29.6	8.3 ✓
20 +6	1075 5	49.4 +6	44.7	8.5 ✓
21 +7	1054 5	47.1 +7	0.2	8.3 ✓
22 +4	1097 5	52.5 +4	49.2	8.3 ✓
23 +4	1095 5	52.2 +4	28.3	9.0 ✓
24 +3	1093 5	52.2 +3	58.6	8.0 ✓
25 +3	1090 5	52.1 +3	5.4	9.0 ✓
26 +2	1104 5	52.1 +2	57.1	8.7 ✓
27 +2	1103 5	52.0 +2	52.5	8.8 ✓

Thursday, Oct. 29, 1914

B 39866 short

	No	Int.	Class	Remark
	✓ 18	3	F <sub>0</sub>	
	✓ 29	6	F <sub>2</sub>	
	✓ 30	7	K <sub>2</sub>	
	✓ 31	8	A <sub>0</sub>	
	✓ 32	1	G <sub>5</sub>	
	✓ 33	2	B <sub>9</sub>	
	✓ 34	1	B <sub>8</sub>	
	✓ 35	6	F <sub>5</sub>	
	✓ 36	1	A <sub>0</sub>	Partly sup. on 35
11:48	✓ 37	1	K <sub>2</sub>	
11:55	✓ 38	3	K <sub>0</sub>	
	✓ 39	3	F <sub>5</sub>	
	✓ 40	1	K <sub>0</sub>	
	✓ 41	1	A <sub>2</sub>	
	✓ 42	2	F <sub>5</sub>	
	✓ 43	2	K <sub>0</sub>	
	✓ 44	4	F <sub>2</sub>	
	✓ 45	2	K <sub>0</sub>	
	✓ 46	1	A <sub>5</sub>	
	✓ 47	2	F <sub>5</sub>	
	✓ 48	2	G <sub>0</sub>	
	✓ 49	2	K <sub>0</sub>	
	✓ 50	2	K <sub>2</sub>	
	✓ 51	3	K <sub>2</sub>	
	✓ 52	2	F <sub>5</sub>	
	✓ 53	3	F <sub>5</sub>	
	✓ 54	2	A <sub>0</sub>	



28 +2	10955	502 +2	34.5	9.1 ✓
29 +2	10965	503 +2	2.6	8.5 ✓
30 +1	11685	504 +1	12.0	7.2 ✓
31 +0	12185	485 +0	48.2	7.9 ✓
32 +1	11795	527 +1	25.6	9.0 ✓
33 +2	11235	572 +2	46.0	9.2 ✓
34 +2	11295	588 +2	27.3	9.0 ✓
35 +2	11025	519 +2	27.4	8.3 ✓
36 +2	11015	519 +2	27.2	9.3 ✓
37 +2	<sup>8</sup> <del>1075</del> 5	469 +2	7.6	9.1 ✓
38 +4	10085	33.3 +4	4.4	8.5 ✓
39 +4	10095	33.5 +4	9.6	8.6 ✓
40 + <sup>3</sup> <del>1008</del>	1008 <del>1219</del> 5	34.4 <sup>3</sup> <del>486</del> + <del>0</del>	52.8 <del>111.0</del>	9.0 <del>9.5</del> ✓
41 +3	10105	347 +3	35.9	9.2 ✓
42 +3	10135	350 +3	36.5	8.8 ✓
43 + <sup>3</sup> <del>1014</del>	10145	35.3 +3	30.2	8.6 ✓
44 + <sup>2</sup> <del>1039</del>	<sup>1039</sup> <del>1039</del> 5	<sup>34.7</sup> +2 <del>40.5</del>	<sup>33.4</sup> <del>33.5</del>	<sup>8.5</sup> <del>9.3</del> ✓
45 + <sup>2</sup> <del>1041</del>	<sup>1041</sup> <del>1041</del> 5	<sup>35.1</sup> +2 <del>40.6</del> +3	<sup>37.5</sup> <del>57.4</del>	<sup>89.75</sup> <del>89</del> ✓
46 +3	10195	36.5 +3	16.3	9.3 ✓
47 +3	10375	40.1 +3	5.0	8.9 ✓
48 +2	10655	41.0 +2	48.0	9.2 ✓
49 +2	10585	39.6 +2	34.3	9.0 ✓
50 +2	10615	39.8 +2	28.5	9.0 ✓
51 +2	10605	39.7 +2	22.8	9.0 ✓
52 +4	10205	35.9 +4	26.0	8.9 ✓
53 +4	<sup>1</sup> <del>1028</del> 5	35.6 +4	35.5	9.3 ✓
54 +4	10165	<sup>35.1</sup> <del>46.3</del> +4	46.3	9.0 ✓

Thursday, Oct. 29, 1914  
 839866 short

12100      No Inst.      Class      Remark  
 ✓ 55 2      Fr

✓ 56 4      A3

57 4      A0

58 2      K2

59 3      A0

60 3      A0

61 6      A0

62 1      G0

63 1      A0

64 2      A3

65 1      F0      Partly sup. on 66.

66 3      K0

67 5      A0-



5543

9975

318 +3

202

90 ✓

Identified on cards by Amc. Nov. 9, 1914

Identified in Book by E. F. G. Nov. 23, 1914

Identification compared by G. R. B. Nov. 24, 1914

✓	56 +2	1056	5	392 +2	18.8	9.0	✓		
✓	57 +1°	1107	5	35.5 +1	25	8.9	31	on 9	14071
✓	58 +4°	1039	5	40.0 +4	47	8.3	75	"	"
✓	59 +2°	1055	5	39.2 +2	11	8.6	38	"	"
✓	60 +4°	1075	5	47.9 +4	43	8.4	92	"	"
✓	61 +2°	1111	5	53.9 +2	54	7.8	53	"	"
✓	62 -0°	1124	5	49.5 -0	24	9.2	67	"	B 12754
✓	63 -1°	1046	5	44.6 -1	23	9.2	55	"	"
✓	64 -1°	1040	5	43.5 -1	19	8.9	54	"	"
✓	65 -1°	1039	5	43.3 -1	28	9.0	53a	"	"
✓	66 -1°	1038	5	43.3 -1	28	8.2	53	"	"
✓	67 -0	1089	5	41.1 -0	49	8.0	44	"	"

Thursday, Oct. 29, 1914  
 934590 long

	No Int.	Class	Remark
12102	✓ 1 3	G <sub>0</sub>	
	✓ 2 7	B <sub>0</sub>	
	✓ 3 2	A <sub>0</sub>	
	✓ 4 1	A <sub>2</sub>	
	✓ 5 2	F <sub>15</sub>	
	✓ 6 2	A <sub>0</sub>	
	✓ 7 1	A <sub>0</sub>	
	✓ 8 4	B <sub>9</sub>	
	✓ 9 2	A <sub>0</sub>	
	✓ 10 4	B <sub>9</sub>	
	✓ 11 4	B <sub>9</sub>	
	✓ 12 3	A <sub>0</sub>	
	✓ 13 1	A	
	✓ 14 3	A <sub>0</sub>	
	✓ 15 2	A <sub>0</sub>	
	✓ 16 4	A <sub>2</sub>	
	✓ 17 2	A <sub>0</sub>	
	✓ 18 5	B <sub>9</sub>	
	✓ 19 3	B <sub>9</sub>	Partly sup. on 18
	✓ 20 2	B <sub>9</sub>	
	✓ 21 5	B <sub>8</sub>	
	✓ 22 1	A	
	✓ 23 3	K <sub>0</sub>	
	✓ 24 6	B <sub>9</sub>	
	✓ 25 3	B <sub>9</sub>	Partly sup. on 24
	✓ 26 2	A <sub>0</sub>	
	✓ 27 3	A <sub>0</sub>	



1	-1°	988	5	31.2	-1	8	8.6	✓
2	-1°	987	5	30.7	-1	15	8.5	✓
2	-2°	<del>1319</del>			<del>-2</del>	<del>32</del>		
3	-1°	985	5	30.8	-1	50	8.8	✓
4	-1°	984	5	30.5	-1	40	8.8	✓
5	-2°	1316	5	30.1	-2	10	8.9	✓
6	-2°	1319	5	30.4	-2	32	8.5	✓
7	-1°	980	5	30.0	-1	51	9.2	✓
8	-1°	979	5	29.9	-1	45	8.5	✓
9	-1°	973	5	29.2	-1	20	9.3	✓
10	-1°	974	5	29.3	-1	7	9.0	✓
11	-0°	<sup>2</sup> 10x3	5	29.6	-0	47	8.8	✓
12	-0°	<sup>2</sup> 10x5	5	29.8	-0	35	9.0	✓
13	-0°	<sup>2</sup> 10x7	5	30.0	-0	47	9.1	✓
14	-0°	<sup>2</sup> 10x8	5	30.1	-0	20	8.9	✓
15	-0°	<sup>2</sup> 10x4	5	29.8	-0	17	8.9	✓
16	+0°	1139	5	30.4	+0	13	8.8	✓
17	-0°	1033	5	30.5	-0	16	9.2	✓
18	-0°	1034	5	30.7	-0	16	8.2	✓
19	-0°	1035	5	30.7	-0	16	9.1	✓
20	-0°	1036	5	31.1	-0	14	9.0	✓
21	-0°	1031	5	30.4	-0	52	9.0	✓
22	-0°	1029	5	30.2	-0	58	9.3	✓
23	-1°	990	5	31.6	-1	14	8.4	✓
24	+0°	1138	5	30.4	+0	53	7.9	✓
25	+0°	1140	5	30.5	+0	54	9.0	✓
26	+2°	1020	5	30.1	+2	14	9.0	✓
27	+0°	1129	5	28.3	+0	38	9.1	✓

Thursday, Oct. 29, 1914

937590 long

No	Int.	Class	Remark
12:08	✓ 284	As	Another star sup. on preced. side

29	40	B5
30	8	B5
31	7	B9



28 +0° 1128 5 28.1 +0 24 8.8 +0° 1127 sup. 9.5

Identified on cards by Amc. Nov. 9, 1914

Identified in book by J.C.M. Nov. 23, 1914

Identification compared by L.K.B. Nov. 24, 1914

— 29 —1 1005 5 33.6 —1 34 8.4 11 m B12754

✓ 30 —1 886 5 17.1 —1 2 6.0 43 m B3759p

✓ 31 —3 1115 5 21.7 —3 26 6.8 37 m B37550

Friday, Oct. 30, 1914

B 38410 short

	No	Int	Class	Remark
10:39	✓ 1	2	K <sub>2</sub>	
	✓ 2	1	K <sub>2</sub>	
	✓ 3	2	F <sub>8</sub>	
	✓ 4	2	K <sub>2</sub>	
	✓ 5	5	K <sub>0</sub>	
	✓ 6	2	K <sub>0</sub>	
	✓ 7	3	K <sub>5</sub>	
	✓ 8	5	A <sub>0</sub>	
	✓ 9	2	F <sub>0</sub>	
	✓ 10	3	K <sub>2</sub>	
	✓ 11	4	F <sub>0</sub>	
	✓ 12	4	F <sub>5</sub>	
	✓ 13	4	A <sub>0</sub>	
	✓ 14	2	K <sub>2</sub>	
	✓ 15	1	K <sub>2</sub>	
	✓ 16	3	F <sub>0</sub>	
	✓ 17	2	F <sub>0</sub>	
	✓ 18	1	K <sub>5</sub>	
	✓ 19	2	A <sub>2</sub>	
	✓ 20	5	A <sub>5</sub>	
	✓ 21	5	F <sub>0</sub>	
	✓ 22	6	K <sub>0</sub>	
	✓ 23	2	A <sub>3</sub>	
	✓ 24	1	K <sub>2</sub>	(The following of two)
	✓ 25	2	F <sub>0</sub>	
	✓ 26	2	F <sub>0</sub>	
	✓ 27	2	F <sub>8</sub>	



1	+7	784 4	563+7	364	88 ✓
2	+7	782 4	562+7	254	88 ✓
3	+7	786 4	566+7	231	87 ✓
4	+7	789 4	569+7	350	90 ✓
5	+7	794 4	576+7	454	85 ✓
6	+7	795 4	577+7	290	89 ✓
7	+7	802 4	589+7	538	88 ✓
8	+7	806 4	592+7	303	90 ✓
9	+7	811 5	02+7	<sup>47.5</sup> 421	89 ✓
10	+8	867 5	00+8	113	90 ✓
11	+8	870 5	0.4+8	366	90 ✓
12	+9	738 5	0.1+9	10.0	88 ✓
13	+9	732 4	592+9	17.0	90 ✓
14	+8	873 5	1.2+8	578	87 ✓
15	+8	874 5	16+8	356	90 ✓
16	+8	878 5	31+8	316	88 ✓
17	+8	881 5	3.3+8	268	92 ✓
18	+8	880 5	3.3+8	122	89 ✓
19	+7	826 5	2.8+7	21.1	93 ✓
20	+7	827 5	3.0+7	247	90 ✓
21	+6	858 5	2.9+6	431	87 ✓
22	+6	860 5	3.5+6	503	82 ✓
23	+6	861 5	3.7+6	467	95 ✓
24	+7	830 5	3.4+7	197	90 ✓
25	+7	831 5	4.4+7	177	90 ✓
26	+7	839 5	5.5+7	172	90 ✓
27	+6	866 5	4.7+6	202	89 ✓

Friday, Oct. 30, 1914  
B38410 short

No	Int.	Class	Remark
✓ 28	1	A0	
✓ 29	2	G0	
✓ 30	2	A2	
✓ 31	2	F8	
✓ 32	2	G0	
✓ 33	4	A0	
✓ 34	3	G0	
✓ 35	1	H0	
✓ 36	2	K2	
✓ 37	3	A2	
✓ 38	3	G5	
✓ 39	2	A5	
✓ 40	1	K2	
✓ 41	3	A2	
✓ 42	1	K5	
✓ 43	3	A2	
✓ 44	3	K5	
✓ 45	4	K0	
✓ 46	1	K2	Partly sup. on 45
✓ 47	2	G0	
✓ 48	2	K5	
✓ 49	1	K2	
✓ 50	1	G5	
✓ 51	1	G5	
✓ 52	4	K0	
✓ 53	6	F8	
✓ 54	3	K5	



28 +6	867 5	4.7 +6	2.6	9.5 ✓
29 +5	852 5	6.3 +5	4.55	9.0 ✓
30 approx 1855	5	7.3 +6	0	✓
31 +6	876 5	7.5 +6	0.4	9.2 ✓
32 +6	879 5	7.7 +6	4.62	9.5 ✓
33 +7	850 5	8.2 <sup>3</sup> +7	1.8	8.7 ✓
34 +5	873 5	9.6 +5	57.7	9.0 ✓
35 +5	874 5	9.6 +5	51.5	9.1 ✓
36 +5	880 5	11.0 +5	56.1	9.0 ✓
37 +5	881 5	11.1 +5	51.3	9.4 ✓
38 +5	882 5	11.2 +5	52.8	8.8 ✓
39 +6	897 5	11.9 +6	44.3	9.5 ✓
40 +7	865 5	11.6 +7	23.0	9.2 ✓
41 +8	914 5	10.0 +8	8.0	8.7 ✓
42 +7	848 5	7.5 +7	31.6	9.0 ✓
43 +8	893 5	6.4 +8	31.1	9.0 ✓
44 +8	919 5	11.1 +8	59.7	8.6 ✓
45 +9	763 5	5.0 +9	54.7	8.6 ✓
46 +9	762 5	5.0 +9	49.0	9.2 ✓
47 +6	859 5	3.4 +6	23.4	9.3 ✓
48 +6	857 5	2.9 +6	22.0	9.0 ✓
49 +6	855 5	2.3 +6	9.8	9.1 ✓
50 +5	823 5	2.2 +5	54.9	9.1 ✓
51 +5	819 5	1.4 +5	51.7	9.0 ✓
52 +6	850 5	1.1 +6	9.8	8.5 ✓
53 +6	848 5	1.0 +6	17.9	8.7 ✓
54 +6	845 5	0.2 +6	15.1	8.5 ✓

Friday, Oct. 30, 1914

B38410 short

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



55 +6	843 5	0.0 +6	57.4	87 ✓
56 +6	833 4	585 +6	511	86 ✓
57 +6	834 4	589 +6	1329	93 ✓
58 +6	832 4	583 +6	169	94 ✓
59 +5	806 4	583 +5	543	93 ✓
60 +5	803 4	573 +5	555	78 ✓
61 +6	827 4	573 +6	14	87 ✓
62 +6	821 4	565 +6	18.9	91 ✓
63 +6	815 4	552 +6	27.5	88 ✓
64 +5	789 4	544 +5	552	87 ✓
65 +5	788 4	540 +5	499	90 ✓
66 +6	806 4	535 +6	120	88 ✓
67 +5	783 <sup>4</sup> / <sub>5</sub>	522 +5	416	90 ✓
	808	53.9 +6	56	8.8
68 +6	811 4	<del>540 +6</del>	<del>535</del>	<del>90</del>
69 +8	839 4	542 +8	430	88 ✓
70 +8	840 4	555 +8	492	88 ✓
71 +8	843 4	561 +8	485	88 ✓
72 +8	847 4	562 +8	566	90 ✓
73 +5	916 5	18.1 +5	49.1	82 ✓
74 +5	926 5	19.8 +5	28.1	87 ✓
75 +8	936 5	142 +8	5.5	8.5 ✓
76 +8	950 5	16.8 +8	212	88 ✓
77 +8	951 5	16.8 +8	27.8	93 ✓
78 +5	817 5	1.0 +5	120	90 ✓
79 +5	816 5	0.8 +5	56	89 ✓
80 +7	814 5	0.6 +7	330	91 ✓
81 +7	808 5	2.1 +7	234	93 ✓

*Omit unless conf*

Friday, Oct. 30, 1914

38410 short

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

✓ 82	1	Ko	
------	---	----	--

✓ 83	2	Ja	
------	---	----	--

10:55

✓ 84	1	h5	
------	---	----	--

P5

85	3	Go	
----	---	----	--



82 + 6	853 5	2.1 + 6	533	90 ✓
83 + 6	822 5	2.4 + 6	0.7	9.2 ✓
84 + 6	851 5	1.7 + 6	33.7	9.5 ✓

Identified on cards by Amc. Nov. 6, 1914

Identified in Book by E. Y. G. Nov. 10, 1914

Identification confirmed by G. R. B. Nov. 12, 1914.

✓ 85 + 6 828 4 57.9 + 6 5- 8.7 31 m J38075

Friday, Oct. 30, 1914.

938920 long

	No. int.	Class	Remark
11:04	✓ 1 3	G <sub>0</sub>	
	✓ 2 4	K <sub>0</sub>	
	✓ 3 1	B <sub>9</sub>	
	✓ 4 4	K <sub>0</sub>	
	✓ 5 3	G <sub>0</sub>	
	✓ 6 1	A	
	✓ 7 2	F <sub>5</sub>	
	✓ 8 2	F <sub>8</sub>	
	✓ 9 2	G <sub>0</sub>	
	✓ 10 3	G <sub>2</sub>	
	✓ 11 2	G <sub>5</sub>	
	✓ 12 3	F <sub>8</sub>	
	✓ 13 1	G <sub>5</sub>	
	✓ 14 2	G <sub>0</sub>	
	✓ 15 2	G <sub>0</sub>	
	✓ 16 3	A <sub>0</sub>	
	✓ 17 1	G <sub>3</sub>	
	✓ 18 1	G <sub>0</sub>	
	✓ 19 3	G <sub>0</sub>	
	✓ 20 1	A <sub>0</sub>	
	✓ 21 1	F <sub>8</sub>	
	✓ 22 2	G <sub>2</sub> E	
	✓ 23 2	F <sub>8</sub> E	
	✓ 24 2	G <sub>5</sub>	
	✓ 25 1	F <sub>8</sub>	
	✓ 26 2	G <sub>0</sub>	
	✓ 27 1	A <sub>0</sub>	



1	+18°	688	4	34.9	+18	21	9.0	✓
2	+18°	717	4	37.6	+18	32	8.0	✓
3	+18°	726	4	38.5	+18	26	9.1	✓
4	+18°	727	4	38.7	+18	13	8.0	✓
5	+17°	786	4	39.2	+17 <sup>8</sup>	0	8.3	✓
6	+18°	729	4	39.4	+18	9	9.2	✓
7	+18°	736	4	40.6	+18	22	8.8	✓
8	+17°	797	4	43.4	+17	27	9.0	✓
9	+17°	802	4	44.2	+17	6	9.0	✓
10	+15°	690	4	42.3	+15	27	9.0	✓
11	+15°	696	4	43.1	+15	38	8.3	✓
12	+15°	685	4	40.8	+15	36	8.6	✓
13	+15°	684	4	40.6	+15	19	8.8	✓
14	+13°	725	4	42.5	+13	58	8.9	✓
15	+14°	780	4	45.7	+14	44	8.9	✓
16	+15°	698	4	45.5	+15	30	9.0	✓
17	+15°	701	4	47.0	+15	13	9.4	✓
18	+14°	785	4	47.1	+14	58	9.1	✓
19	+17°	814	4	48.1	+17	47	9.2	✓
20	+17°	815	4	48.7	+17	15	9.0	✓
21	+17°	816	4	49.2	+17	10	9.0	✓
22	+16°	674 <sup>6</sup>	4	50.1 <sup>8</sup>	+16	4 <sup>3</sup>	9.5	✓
23	+17°	820	4	50.3	+17	46	8.9	✓
24	+16°	663a	4	45.5	+16	49	9.0	✓
	Approx. 1855							
25	+17°	807	4	45.9	+17	22	9.3	✓
26	+18°	754	4	46.7	+18	12	9.0	✓
27	+18°	745	4	43.7	+18	38	9.3	✓

Friday, Oct. 30, 1914

938920 long

	No	Int.	Class	Remark
11:12	✓	28 1	Ko	
Friday, Nov. 20, 1914				
10:35		<del>29 4</del>	<del>A2</del>	
	✓	29 4	A2	
	✓	30 3	A2	
	✓	31 1	K5	
	✓	32 2	L5	
	✓	33 3	F8	
	✓	34 3	A2	
	✓	35 2	Ko	
	✓	36 3	A5	
	✓	37 2	L5	
	✓	38 2	L5	
	✓	39 2	A5	
	✓	40 1	L5	
	✓	41 2	A2	
	✓	42 2	L5	
	✓	43 5	A0	
	✓	44 3	A nearly all sup. on 43	
	✓	45 3	A0 Partly sup. on 43	
	✓	46 2	L5	
	✓	47 2	F8	
	✓	48 9	B9 E	
	✓	49 1	Ko	
	✓	50 1	Ko	
	✓	51 1	Ko	
	✓	52 1	L5	
	✓	53 1	L5	
	✓	54 3	A5	



28	+19°	800	4	44.0	+19	52	8.8	✓
Identified on cores by AmC. Nov. 4, 1914								
29	+17°	768	4	33.2	+17	8	8.4	✓
30	+16°	641	4	33.2	+16	26	8.3	✓
31	+17°	774	4	34.6	+17	2	8.3	✓
32	+16°	645	4	34.7	+16	2	8.5	✓
33	+14°	735	4	33.2	+14	33	8.7	✓
34	+14°	736	4	33.9	+14	3	8.5	✓
35	+12°	622	4	31.4	+12	51	8.9	✓
36	+12°	631	4	34.5	+12	3	8.2	✓
37	+12°	635	4	35.3	+12	46	8.8	✓
38	+12°	641	4	36.2	+12	53	8.7	✓
39	+13°	711	4	36.5	+13	24	9.3	✓
40	+13°	712	4	37.3	+13	48	9.2	✓
41	+13°	714	4	37.4	+13	47	9.0	✓
42	+12°	672	4	46.4	+12	13	8.0	✓
43	+11°	672	4	46.6	+11	48	7.5	✓
44	+11°	671	4	46.6	+11	42	8.3	✓
45	+11°	674	4	46.7	+11	42	8.5	✓
46	+13°	738	4	48.0	+13	45	8.9	✓
47	+13°	749	4	49.6	+13	47	8.6	✓
48	+14°	796	4	50.8	+14	20	6.5 +14° 795 sup.	8.2
49	+14°	757	4	39.5	+14	55	8.7	✓
50	+15°	681	4	39.6	+15	44	9.0	✓
51	+15°	675	4	37.5	+15	40	9.0	✓
52	+17°	787	4	39.4	+17	39	9.2	✓
53	+17°	782	4	38.4	+17	28	9.0	✓
54	+17°	765	4	32.0	+17	50	8.7	✓

Friday, Oct. 30, 1914

938904 long

	No	Int.	Class	Remark
11132	✓ 1	4	K0	
	✓ 2	2	K0	
	✓ 3	2	L5	
	✓ 4	2	L5	
	✓ 5	6	G0	
	✓ 6	1	L7	
	✓ 7	2	L5	
	✓ 8	2	F7	
	✓ 9	7	L5	
	✓ 10	1	F8	
	✓ 11	1	K5	
	✓ 12	1	K2	
	✓ 13	2	L0	
	✓ 14	2	K5	
	✓ 15	1	K2	
	✓ 16	2	Ma	
	✓ 17	2	L0	
	✓ 18	2	L5	
	✓ 19	3	L5	
	✓ 20	2	F8	
	✓ 21	2	F8	
	✓ 22	2	L0	
	✓ 23	2	L5	
	✓ 24	3	L0	
	✓ 25	3	K0	
	✓ 26	3	L5	
	✓ 27	3	F8	



1 +22	129 0	418 +22	204	81 ✓
	113 0	41.8 +22	31	8.9
2 +23	111 0	<del>408 +23</del>	<del>432</del>	<del>9.5</del>
3 +22	132 0	425 +22	533	94 ✓
4 +23	116 0	428 +23	18	9.3 ✓
5 +22	133 0	433 +22	568	88 ✓
6 +22	135 0	436 +22	420	9.3 ✓
7 +22	138 0	439 +22	508	9.0 ✓
8 +23	123 0	465 +23	167	8.5 ✓
9 +23	125 0	473 +23	181	7.5 ✓
10 +23	128 0	485 +23	301	9.3 ✓
11 +23	129 0	486 +23	498	9.0 ✓
12 +23	132 0	500 +23	556	9.1 ✓
13 +24	151 0	496 +24	92	9.0 ✓
14 +24	153 0	509 +24	884	86 ✓
15 +24	155 0	516 +24	188	86 ✓
16 +24	156 0	519 +24	164	8.5 ✓
17 +23	135 0	510 +23	540	8.9 ✓
18 +23	136 0	511 +23	51	9.3 ✓
19 +22	161 0	527 +22	539	8.7 ✓
20 +23	138 0	538 +23	212	9.3 ✓
21 +23	139 0	541 +23	0.5	9.0 ✓
22 +22	167 0	544 +22	566	9.0 ✓
23 +24	167 0	550 +24	46	9.0 ✓
	167		27.4	86
24 +24	171 0	<del>566</del> +24	<del>266</del>	<del>9.4</del> ✓
25 +24	173 0	571 +24	102	8.5 ✓
26 +23	142 0	576 +23	426	9.0 ✓
27 +24	182 0	597 +24	119	86 ✓

Friday, Oct. 30, 1914  
938904 long

No	Int.	Class	Remark
✓ 28	1	K0	
✓ 29	4	A2	
✓ 30	4	L5	
✓ 31	2	A3	
✓ 32	7	F2	
✓ 33	2	A2	
✓ 34	2	L5	
✓ 35	7	K2	
✓ 36	5	A2	
✓ 37	1	K0	
✓ 38	1	K0	
✓ 39	3	A2	
✓ 40	3	K2	
✓ 41	1	L5	
✓ 42	2	L5	
✓ 43	2	F8	
✓ 44	3	A2	
✓ 45	3	L0	
✓ 46	2	F8	
✓ 47	1	K2	
✓ 48	2	F8	
✓ 49	2	L5	Another star sup. at south
✓ 50	2	L5 E	
✓ 51	4	K0	
✓ 52	2	K0	
✓ 53	2	F8	
✓ 54	2	L5	



28 +24	180 0	59.3+24	4.1	8.9 ✓
29 +23	148 <sup>1</sup> / <sub>2</sub>	1.5+23	4.2	8.7 ✓
30 +23	154 <sup>1</sup> / <sub>2</sub>	2.9+23	4.52	8.5 ✓
31 +22	184 1	2.2+22	39.0	9.3 ✓
32 +22	182 <sup>1</sup> / <sub>2</sub>	1.6+22	8.7	7.5 ✓
33 +21	145 0	58.6+21	12.1	8.8 ✓
34 +20	147 0	56.8+20	43.5	8.5 ✓
35 +20	139 0	52.7+20	26.8	6.9 ✓
36 +20	126 0	47.3+20	17.2	8.3 ✓
37 +22	194 1	4.9+22	41.5	8.6 ✓
38 +22	198 1	5.9+22	48.8	8.9 ✓
39 +24	189 1	5.5+24	41.5	8.0 ✓
40 +24	190 1	5.7+24	14.3	8.2 ✓
41 +23	164 1	8.2+23	27.7	9.3 ✓
42 +23	170 1	9.0+23	26.3	9.0 ✓
43 +23	171 1	9.5+23	32.9	9.0 ✓
44 +20	175 <sup>1</sup> / <sub>2</sub>	11.2+23	37	8.8
45 +23	176 1	9.7+20	19.2	8.5
46 +23	174 1	11.5+23	38	8.3
47 +22	167 1	10.7+23	59.3	9.1
48 +22	207 1	8.5+23	0.7	8.8 ✓
49 +20	211 1	9.8+22	46.3	8.8 ✓
50 +24	118 0	11.5+22	16.6	8.8 ✓
51 +24	138 0	9.7+20	19.2	8.5 ✓
52 +25	131 0	40.4+24	45.7	8.8 ✓
53 +25	124 0	44.6+24	59.4	7.5 ✓
54 +26	132 0	44.7+25	46.9	8.0 ✓
		43.5+25	40.1	9.0 ✓
		42.1+26	7.4	9.0 ✓

Friday, Oct. 30, 1914

238904 long

No	Int.	Class	Remark
✓ 55	1	ly5	
✓ 56	10	F2	
✓ 57	5	K2	
✓ 58	3	F2	Region of K sup. on 59
✓ 59	7	K0	
✓ 60	7	K2	
✓ 61	1	K2	
✓ 62	2	ly	
✓ 63	1	ly5	
✓ 64	2	ly0	
✓ 65	3	ly5	
✓ 66	1	F8	
✓ 67	2	K0	
✓ 68	1	K0	
✓ 69	1	ly5	
✓ 70	2	K0	
✓ 71	3	K5	
✓ 72	1	K0	
✓ 73	2	K0	
✓ 74	3	K0	
✓ 75	1	A5	Another star sup. at north
✓ 76	1	F1	
✓ 77	1	ly	
✓ 78	1	K0	
✓ 79	1	F8	
✓ 80	2	K0	
✓ 81	2	K2	



55+26	137 0	43.6+26	34.1	8.9 ✓
56+26	131 0	42.1+26	55.8	5.3 ✓
57+27	132 0	42.5+27	34.7	7.6 ✓
58+27	126 0	41.4+27	38.7	8.8 ✓
59+27	127 0	41.4+27	55.8	7.5 ✓
60+27	144 0	46.0+27	46.8	7.7 ✓
61+27	143 0	45.8+27	6.1	8.7 ✓
62+27	142 0	45.8+27	26.6	9.0 ✓
63+26	148 0	47.4+26	50.5	9.0 ✓
64+27	152 0	48.8+27	16.5	9.0 ✓
65+27	154 0	50.3+27	12.5	8.9 ✓
66+27	155 0	50.5+27	22.1	9.0 ✓
67+28	154 0	48.4+28	23.8	8.6 ✓
68+28	153 0	48.2+28	59.1	8.5 ✓
69+28	162 0	51.0+28	30.0	8.8 ✓
70+25	147 0	52.6+25	37.9	8.5 ✓
71+25	150 0	53.3+25	41.5	8.2 ✓
72+24	158 0	52.6+24	40.1	8.9 ✓
73+26	170 0	55.3+26	29.5	8.6 ✓
74+27	166 0	55.9+27	6.4	8.7 ✓
75+26	173 0	56.1+26	43.1	9.4 ✓
76+26	175 0	57.4+26	59.2	9.0 ✓
77+27	171 0	57.2+27	12.4	9.2 ✓
78+27	172 0	58.3+27	44.8	8.8 ✓
79+27	174 0	58.7+27	35.6	9.0 ✓
80+27	175 0	59.2+27	46.5	8.3 ✓
81+28	171 0	55.8+28	43.4	8.5 ✓

Friday, Oct. 30, 1914  
 9 38904 long

No	Int.	Class	Remark
✓ 82	1	ly5	
✓ 83	2	Fr	
✓ 84	2	Ko	(the following of two)
✓ 85	3	Qo	
✓ 86	1	Ma	
✓ 87	2	ly5	
✓ 88	3	Qo	
✓ 89	1	ly5	
✓ 90	2	Qo	
✓ 91	1	Ma	
✓ 92	2	Ko	
✓ 93	2	Ko	
✓ 94	1	Ko	
✓ 95	2	Qo	
✓ 96	1	Ko	
✓ 97	10+	Qo	
✓ 98	3	Q5	
✓ 99	3	Fr	
✓ 100	2	Ko	
✓ 101	1	K2	
✓ 102	2	Q2	
✓ 103	2	Fr	
✓ 104	1	ly	
✓ 105	1	ly	
✓ 106	2	Ko	
✓ 107	3	Qo	
✓ 108	2	Qo	Partly sup. on 107



82 +27	183 1	25 +27	414	90 ✓
83 +27	189 1	42 +27	290	85 ✓
84 +26	197 1	55 +26	502	86 ✓
85 +26	195 1	35 +26	213	88 ✓
86 +26	199 1	58 +26	223	85 ✓
87 +26	206 1	74 +26	251	88 ✓
88 +25	201 1	72 +25	490	90 ✓
89 +25	206 1	87 +25	406	92 ✓
90 +25	207 1	89 +25	162	91 ✓
91 +25	210 1	95 +25	315	90 ✓
92 +25	212 1	104 +25	203	84 ✓
93 +26	217 1	10 <sup>4</sup> <del>5</del> +26	82	83 ✓
94 +25	213 1	104 +25	585	88 ✓
95 +26	221 1	132 +26	39	86 ✓
96 +25	224 1	140 +25	487	87 ✓
97 +26	220 1	115 +26	295	47 ✓
98 +27	207 1	100 +27	103	85 ✓
99 +27	202 1	82 +27	486	88 ✓
100 +28	218 1	110 +28	132	85 ✓
101 +28	219 1	113 +28	269	84 ✓
102 +29	199 1	62 +29	126	88 ✓
103 +2 <sup>8</sup> <del>7</del>	202 1	52 +2 <sup>8</sup> <del>7</del>	568	87 ✓
104 +27	180 1	12 +27	266	90 ✓
105 +26	181 0	590 +26	143	89 ✓
106 +25	165 0	584 +25	569	83 ✓
107 +25	161 0	563 +25	494	85 ✓
108 +25	160 0	562 +25	478	86 ✓

Friday, Oct. 30, 1914  
938904 long

No Int.	Class	Remark
✓ 109 6	F8	
✓ 110 2	F8	
✓ 111 1	A	
✓ 112 1	K	
✓ 113 2	G5	
✓ 114 6	G2 E	
✓ 115 2	K2 E	
✓ 116 1	K E	
✓ 117 7	F5	
✓ 118 2	G5 E	
✓ 119 2	K0 E	
11:55 ✓ 120 5	K0 E	
121		

June 2, 1915 121 3 F8 .

Cont. 127.200



109 +25	158 0	55.7+25	31.9	80✓
110 +25	148 0	53.0 +25	22.7	88✓
111 +25	166 0	58.8+25	35.1	93✓
112 +24	187 1	2.8 +24	56.9	89✓
113 +24 <sup>5</sup>	185 1	3.4 +24 <sup>5</sup>	44	87✓
114 +29	181 1	0.9 +29	39.3	72✓
115 +29	179 1	0.4 +29	39.7	85✓
116 +29	183 1	1.4 +29	28.1	82✓
117 +20	117 0	44.8 +20	36.9	7.5✓
118 +19	162 0	52.0 +19	51.6	85✓
119 +19	167 0	52.9 +19	29.8	85✓
120 +19	180 0	59.4 +19	22.3	65✓

Identified on cards by Amc. Nov. 4, 1914

Identified in Book by C. F. & Nov. 6, 1914

Identification compared by G. R. B. Nov. 7, 1914

121 +27° 146 0 47.3 +27 24 8.7 no. 16 on J37340

Card made out by A. J. C.

Tuesday, Nov. 17, 1914

B 36317 long

	No	Inst.	Class	Remark
11:25	✓ 1	7	B0	
	✓ 2	10	A0	
	✓ 3	6	B3	
	✓ 4	6	A0	
	✓ 5	5	A0	
	✓ 6	6	B9	
	✓ 7	7	A2	
	✓ 8	6	A0 E	
	✓ 9	7	A0	
	✓ 10	7	B8	
	✓ 11	4	M2	
	✓ 12	7	B9	
	✓ 13	8	L5	
	✓ 14	6	A0	
	✓ 15	5	K0	
11:28	✓ 16	4	A0	
	✓ 17	9	A Perhaps B8	
	✓ 18			
	✓ 19			
	✓ 20			
	18	4	A0	



1 - 51°	7465	13	14.7	-51	32	6.5 ✓
2 - 50°	7812	13	21.8	-50	31	5.8 ✓
3 - 48°	8206	13	19.8	-48	44	6.7 ✓
4 - 48°	8202	13	19.6	-48	30	6.8 ✓
5 - 48°	8188	13	18.8	-48	8	7.0 ✓
6 - 47°	8261	13	15.6	-47	54	6.6 ✓
7 - 47°	8260	13	15.5	-47	17	6.6 ✓
8 - 46°	8537 <sup>8</sup>	13	10.4	-46	56	6.9 ✓
9 - 47°	8417	13	26.9	-47	38	6.7 ✓
10 - 49°	8074	13	30.4	-49	43	6.9 ✓
11 - 49°	8095	13	32.3	-49	19	6.8 ✓
12 - 50°	7997 <sup>8</sup>	13	36.4	-50	23	7.0 ✓
13 - 50°	8017	13	38.8	-50	48	5.2 ✓
14 - 49°	8194	13	39.6	-49	37	6.7 ✓
15 - 49°	8198	13	39.8	-49	42	6.0 ✓
16 - 49°	8199	13	39.8	-49	30	7.0 ✓
17 - 52°	6787	13	44.0	-52	11	5.7 ✓

Ident. on cards by A.M.C. Nov. 3, 1915

Ident. in book by J.C.M. Nov. 9, 1915

Identification compared by E.R.B. Nov. 12, 1915

18 - 47°	8365	13	22.1	-47	13	7.3 ✓
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No. 18 Ident. on card by M.A.H. Mar. 3, 1917.

A.M.C.

Tuesday, Nov. 17, 1914  
B 36312 long

	No Int.	Class	Remark
11:33	✓ 1 10	A <sub>0</sub>	
	✓ 2 5	A <sub>0</sub>	
	✓ 3 7	B <sub>9</sub>	
	✓ 4 6	A <sub>2</sub>	
	✓ 5 8	B <sub>9</sub>	
	✓ 6 5	A <sub>3</sub>	
	✓ 7 4	B <sub>8</sub>	
	✓ 8 9	B <sub>9</sub>	
	✓ 9 7	A <sub>2</sub>	
	✓ 10 6	A <sub>0</sub>	
11:36	✓ 11 7	A <sub>0</sub>	
	12		
	13		
	14		
	15		
	16		
	17		
	18		



1-53°	5725	13	33.7-53	56	6.1 ✓
2-54°	5725	13	38.2-54	3	7.0 ✓
3-52°	6805	13	45.6-52	45	6.7 ✓
4-53°	5805	13	48.1-53	31	6.9 ✓
5-51°	7832	13	47.2-51	33	6.1 ✓
6-51°	7846	13	48.4-51	25	7.2 ✓
7-51°	7921	13	55.4-51	27	7.5 ✓
8-50°	8294	14	1.4-50	54	6.3 ✓
9-54°	5887	13	57.4-54	4	7.2 ✓
10-48°	8775	13	59.7-48	6	6.8 ✓
11-51°	7731 <sup>2</sup>	13	39.2-51	38	7.4 ✓

Ident. on cards by Amc. Nov. 11, 1915

Ident. in book by M.A.H. Nov. 11, 1915

Identification confirmed by G.R.B. Nov. 12, 1915

Tuesday, Nov. 17, 1914  
B 43202 long

	No	Int.	Class	Remark
12143	✓	1 10	K <sub>0</sub>	
	✓	2 7	B <sub>8</sub>	
	✓	3 5	B <sub>9</sub>	
	✓	4 3	B <sub>9</sub>	
	✓	5 10	B <sub>3</sub>	
	✓	6 5	B <sub>9</sub>	
	✓	7 4	L <sub>5</sub>	
	✓	8 3	A <sub>2</sub>	
	✓	9 4	A <sub>3</sub>	
	✓	10 7	A <sub>5</sub>	
	✓	11 8	A <sub>5</sub>	
	✓	12 5	F <sub>0</sub>	
	✓	13 8	F <sub>5</sub>	
	✓	14 7	A <sub>0</sub>	
	✓	15 7	K <sub>0</sub>	
	✓	16 10	A <sub>2</sub>	
	✓	17 10	B <sub>3</sub>	
	✓	18 8	B <sub>9</sub>	
	✓	19 7	B <sub>3</sub>	
	✓	20 4	A <sub>2</sub>	
	✓	21 2	B <sub>9</sub>	
	✓	22 5	K <sub>2</sub>	
	✓	23 7	B <sub>9</sub>	
	✓	24 7	F <sub>12</sub>	
	✓	25 6	A <sub>0</sub>	
	✓	26 10	B <sub>5</sub>	
	✓	27 7	B <sub>8</sub> E	



1	-52° 7028	14	1.6	-52	50	6.9	✓
2	-54° 5923	14	5.2	-54	2	7.2	✓
3	-55° 5976	14	10.5	-55	18	7.5	✓
4	-55° 5964	14	8.8	-55	11	7.3	✓
5	-55° 5984	14	11.6	-55	49	4.7	✓
6	-54° 5975	14	14.0	-54	52	7.2	✓
7	-54° 5990	14	16.7	-54	27	7.6	✓
8	-54° 6002	14	18.2	-54	40	8.0	✓
9	-54° 6021	14	20.0	-54	40	7.8	✓
10	-55° 6023	14	20.2	-55	34	7.4	✓
11	-55° 6025	14	21.1	-55	34	7.6	✓
12	-54° 6044	14	23.7	-54	55	7.4	✓
13	-54° 6053	14	24.8	-54	27	6.9	✓
14	-51° 8270	14	24.0	-51	25	7.3	✓
15	-52° 7301	14	24.9	-52	8	7.1	✓
16	-48° 9098	14	22.0	-48	58	5.9	✓
17	-49° 8831	14	24.2	-49	54	5.2	✓
18	-47° 9162	14	20.7	-47	26	6.8	✓
19	-47° 9082	14	14.5	-47	45	6.5	✓
20	-48° 8963	14	12.7	-48	47	7.7	✓
21	-49° 8699	14	15.2	-49	17	8.0	✓
22	-50° 8501	14	15.0	-50	12	6.2	✓
23	-47° 9279	14	29.6	-47	29	6.7	✓
24	-48° 9218	14	31.1	-48	30	6.9	✓
25	-49° 8904	14	29.9	-49	21	6.9	✓
26	-48° 9198	14	29.5	-48	53	4.5	✓
27	-47° 9355	14	34.9	-47	2	7.0	✓

Tuesday, Nov. 17, 1914  
B 43202 long

No	Int.	Class	Remark
✓ 28	8	A2	E
✓ 29	7	K0	
✓ 30	7	A0	
✓ 31	5	A0	
✓ 32	6	A0	
✓ 33	3	B9	
✓ 34	10	A2	
✓ 35	4	A0	
✓ 36	4	A2	
✓ 37	2	F5	
✓ 38	7	B3	
✓ 39	3	A0	
✓ 40	3	A0	
✓ 41	4	A0	
✓ 42	3	Ma	
✓ 43	2	F2	
✓ 44	7	B8	
✓ 45	2	A3	
12:50 ✓ 46	9	A0	E
47			

47 4 B9



28	-46° 9562	14	38.2	-46	53	6.3	✓
29	-51° 8457	14	38.3	-51	51	5.8	✓
30	-51° 8462	14	38.5	-51	41	6.5	✓
31	-52° 7544	14	41.0	-52	13	7.7	✓
32	-52° 7538	14	42.0	-52	51	7.2	✓
33	-51° 8500	14	41.5	-51	52	7.9	✓
34	-52° 7634	14	47.4	-52	18	5.9	✓
35	-54° 6116	14	33.7	-54	4	7.4	✓
36	-54° 6130	14	34.5	-54	19	7.6	✓
37	-54° 6120	14	33.8	-54	39	7.6	✓
38	-55° 6150	14	36.2	-55	4	6.8	✓
39	-48° 9395	14	42.2	-48	39	8.5	✓
40	-48° 9449	14	46.4	-48	11	8.0	✓
41	-50° 8933	14	48.1	-50	5	7.7	✓
42	-50° 8939	14	48.3	-50	56	7.0	✓
43	-51° 8614	14	49.7	-51	20	8.5	✓
44	-51° 8631	14	50.5	-51	4	6.7	✓
45	-50° 8780	14	35.9	-50	39	8.0	✓
46	-47° 9543	14	48.1	-47	22	7.0	✓

Ident. on cards by Am. Dec. 27, 1915  
 Identified here Jan. 5, 1915 J.W.  
 Identification compared by S.R.B. Jan. 6, 1915

47	-48°	9140	14	25.1	-48	33	8.3	✓
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(Cont. from P. 62) Friday, Nov. 20, 1914

938920 long

No	Ind.	Class	Remark
✓ 55	1	K <sub>0</sub>	
✓ 56	1	Q <sub>2</sub>	
✓ 57	4	Q <sub>0</sub>	
✓ 58	2	Q <sub>2</sub>	Another star sup. on preceding
✓ 59	1	L <sub>50</sub>	
✓ 60	1	L <sub>5</sub>	
✓ 61	1	K <sub>0</sub>	
✓ 62	6	Q <sub>0</sub> E	
✓ 63	2	L <sub>5</sub>	
✓ 64	2	K <sub>0</sub>	
✓ 65	2	K <sub>0</sub>	
✓ 66	1	M <sub>0</sub>	
✓ 67	2	L <sub>50</sub>	
✓ 68	1	L <sub>5</sub>	
69			
70			

10:46

69 X 6 L<sub>5</sub> H<sub>5</sub> string for this Class



55	+17°	766	4	32.2	+17	6	8.9	✓
56	+17°	763	4	31.7	+17	20	9.3	✓
57	+18°	666	4	30.1	+18	27	8.5	✓
58	+18°	667	4	30.1	+18	46	9.1	✓ +18° 665 sup. 9.3
59	+18°	677	4	32.9	+18	25	9.0	✓
60	+18°	679	4	33.5	+18	33	9.0	✓
61	+18°	680	4	33.8	+18	4	9.0	✓
62	+20°	761	4	20.2	+20	21	8.3	✓
63	+19°	727	4	20.1	+19	25	8.8	✓
64	+17°	738	4	22.2	+17	5	8.8	✓
65	+16°	609	4	21.6	+16	20	9.3	✓
66	+15°	635	4	21.8	+15	51	8.5	✓
67	+14°	729	4	29.3	+14	0	8.7	✓
68	+17°	752	4	26.4	+17	8	9.2	✓

Identified in book by J.C.M. Nov. 21, 1914.

Ident. on cards by A.M.C. Jan. 8, 1915

Identification compared by G.R.B. Jan. 11, 1915

✓ 69 +18 734 4 40.2 +18 27 7.0 85 m  $\sqrt{37544}$

Friday, Nov. 20, 1914

938898 long

	No	Int.	Class	Remark
10:45	✓ 1	1	K2	E
	✓ 2	2	A	Another star sup. at north
	✓ 3	2	A0	
	✓ 4	2	A0	
	✓ 5	1	K2	
	✓ 6	2	A5	
	✓ 7	3	A2	
	✓ 8	1	K2	
	✓ 9	2	F0	
	✓ 10	2	K0	
	✓ 11	2	L5	
	✓ 12	2	F0	
	✓ 13	2	A2	
	✓ 14	2 1.5	A0	
	✓ 15	3	L0	
	✓ 16	3	A0	
	✓ 17	3	L5	
	✓ 18	1 1.5	L5	
	✓ 19	1	A2	
	✓ 20	3	A0	
	✓ 21	4	A2	
	✓ 22	4	A2	Lines very broad. Double?
	✓ 23	4	F5	
	✓ 24	3	F0	
	✓ 25	3	F5	
	✓ 26	2	K5	
	✓ 27	3	A0	



1	+44	560	2	32.4	+44	23	7.8	✓
2	+46°	604	2	31.1	+46	23	9.2	+46° 603 sup. 9.2
3	+47°	679	2	31.4	+47	4	9.0	✓
4	+46°	633	2	37.3	+46	28	9.0	✓
5	+45°	662	2	39.9	+45	48	8.3	✓
6	+44°	580	2	39.8	+44	39	8.0	✓
7	+44°	589	2	41.5	+44	33	8.6	✓
8	+44°	591	2	42.2	+44	27	7.8	✓
9	+45°	665	2	41.0	+45	13	8.6	✓
10	+45°	667	2	41.2	+45	28	8.1	✓
11	+45°	669	2	41.9	+45	22	9.0	✓
12	+45°	679	2	46.2	+45	13	8.8	✓
13	+44°	600	2	47.2	+44	32	8.8	✓
14	+44°	601	2	47.8	+44	11	9.1	✓
15	+45°	691	2	51.6	+45	13	8.5	✓
16	+45°	692	2	51.9	+45	16	9.0	✓
17	+46°	683	2	55.2	+46	1	8.2	✓
18	+45°	700	2	55.1	+45	44	8.9	✓
19	+46°	682	2	54.1	+46	31	9.1	✓
20	+46°	680	2	53.8	+46	46	8.8	✓
21	+47°	763	2	55.1	+47	20	8.4	✓
22	+47°	765	2	55.5	+47	26	8.5	✓
23	+48°	853	2	59.5	+48	4	8.1	✓
24	+46°	699	3	0.4	+46	58	8.3	✓
25	+47°	776	$\frac{3}{2}$	1.7	+47	31	8.7	+47° 777 sup. 9.4
26	+47°	784	3	3.8	+47	22	7.8	✓
27	+48°	868	3	4.6	+48	2	8.2	✓

Friday, Nov. 20, 1914

738898 long

No	Int.	Class	Remark
✓ 28	4	B <sub>9</sub>	
✓ 29	4	A <sub>0</sub>	
✓ 30	4	A <sub>2</sub>	
✓ 31	3	K <sub>0</sub>	
✓ 32	3	B <sub>9</sub>	
✓ 33	2	B <sub>9</sub>	
✓ 34	1	A	Lines broad.
✓ 35	1	K <sub>2</sub>	
✓ 36	1	A <sub>2</sub>	
✓ 37	1	A	
✓ 38	2	A <sub>2</sub>	
✓ 39	1	K <sub>2</sub>	
✓ 40	3	A <sub>2</sub>	
✓ 41	4	F <sub>0</sub>	
✓ 42	1	K <sub>2</sub>	
✓ 43	2	F <sub>5</sub>	
✓ 44	2	F <sub>8</sub>	
✓ 45	2	A <sub>5</sub>	
✓ 46	2	A <sub>0</sub>	
✓ 47	4	A <sub>0</sub>	
✓ 48	2	A <sub>2</sub>	
✓ 49	2	F <sub>0</sub>	
✓ 50	1	K <sub>5</sub>	
✓ 51	2	K <sub>0</sub>	
✓ 52	2	K <sub>0</sub>	
✓ 53	5	F <sub>5</sub>	
10:56 ✓ 54	3	F <sub>8</sub>	



28	+48°	870	3	4.8	+48	9	7.5✓
29	+47°	789	3	4.9	+47	44	7.9✓
30	+47°	792	3	6.0	+47	29	7.9✓
31	+47°	794	3	6.5	+47	44	7.8✓
32	+48°	875	3	6.9	+48	8	8.5✓
33	+49°	883	3	5.0	+49	5	8.7✓
34	+49°	888	3	5.6	+49	20	8.3✓
35	+48°	873	3	5.4	+48	37	8.0✓
36	+48°	879	3	8.0	+48	43	8.6✓
37	+47°	799	3	7.9	+47	8	9.2✓
38	+46°	730	3	9.7	+46	2	8.8✓
39	+45°	741	3	10.5	+45	38	7.7✓
40	+43°	664	3	5.4	+43	58	8.5✓
41	+43°	649	3	2.8	+43	18	7.7✓
42	+45°	721	3	1.9	+45	11	8.6✓
43	+45°	720	3	1.5	+45	42	8.7✓
44	+45°	727	3	2.8	+45	41	8.5✓
45	+46°	697	2	59.8	+46	9	8.3✓
46	+45°	711	2	58.7	+45	42	8.8✓
47	+43°	625	2	54.4	+43	33	7.8✓
48	+46°	674	2	51.3	+46	15	9.1✓
49	+46°	672	2	51.2	+46	40	8.6✓
50	+47°	754	2	52.1	+47	52	8.9✓
51	+48°	837	2	53.5	+48	11	8.6✓
52	+49°	838	2	54.5	+49	13	8.4✓
53	+49°	836	2	54.4	+49	27	8.2✓
54	+50°	689	2	53.7	+50	23	8.7✓

Friday, Nov. 20, 1914

938898 long

	No	Int.	Class	Remark
11:20	✓ 55	3	A0	
	✓ 56	3	A0	
	✓ 57	2	A0	
	✓ 58	3	A0	
	✓ 59	2	K5	
	✓ 60	2	A	Another star sup. at north
	✓ 61	4	F5	
	✓ 62	2	A0	
	✓ 63	2	F8	
	✓ 64	3	A0	
	✓ 65	2	G5	
	✓ 66	2	A	
	✓ 67	1	G5	
	✓ 68	1	A0	
	✓ 69	1	A	
	✓ 70	2	A2	
	✓ 71	1	K2	
	✓ 72	2	A2	
	✓ 73	2	A0	
	✓ 74	1	G0	
	✓ 75	2	G5	
	✓ 76	2	A0	
	✓ 77	3	F8	
	✓ 78	2	G5	
	✓ 79	2	F5	
	✓ 80	3	A2	
	✓ 81	2	A0	



55	+50 <sup>1</sup> °	676	2	56.0	+50 <sup>1</sup>	0	8.5✓
56	+51°	679	2	57.4	+51	38	8.7✓
57	+51°	678	2	57.1	+51	47	8.8✓
58	+52°	656	2	55.4	+52	9	8.0✓
59	+52°	655	2	54.7	+52	3	7.9✓
60	+51°	694	3	2.4	+51	27	8.3✓ <i>hot cat. star sup.</i>
61	+51°	696	3	3.4	+51	15	7.8✓
62	+51°	699	3	4.4	+51	2	8.6✓
63	+51°	703	3	5.7	+51	1	7.8✓
64	+52°	684	3	11.2	+52	11	7.5✓
65	+52°	685	3	11.3	+52	6	7.5✓
66	+50°	707	2	59.1	+50	1	8.3✓
67	+49°	861	2	59.7	+49	50	8.5✓
68	+49°	834	2	53.8	+49	9	8.7✓
69	+48°	841	2	53.9	+48	49	8.8✓
70	+49°	817	2	50.2	+49	24	8.3 <sup>5</sup> ✓
71	+48°	814	2	49.0	+48	56	8.5✓
72	+48°	808	2	48.0	+48	17	8.2✓
73	+48°	800	2	46.9	+48	1	9.0✓
74	+47°	738	2	46.0	+47	28	8.6✓
75	+47°	733	2	45.1	+47	4	8.9✓
76	+46°	655	2	45.7	+46	48	9.0✓
77	+47°	734	2	45.3	+47	39	8.3✓
78	+48°	790	2	43.9	+48	46	8.7✓
79	+49°	792	2	43.6	+49	12	8.7✓
80	+48°	770	2	41.3	+48	45	8.4✓
81	+48°	777	2	42.3	+48	16	8.5✓

Friday, Nov. 20, 1914  
938898 long

No	Int.	Class	Remark
✓ 82	3	Q2	Lines very broad
✓ 83	2	Q0	
✓ 84	3	F2	Comp? K line appears narrow. Region very ft.
✓ 85	2	Q2	
✓ 86	3	Q0	
✓ 87	2	G5	
✓ 88	2	G0	
✓ 89	3	Q2	
✓ 90	2	F5	
✓ 91	1	G5	
✓ 92	2	Q2	
✓ 93	1	K2	
✓ 94	1	K2	
✓ 95	1	K5	
✓ 96	2	Q0	
✓ 97	2	K0	
✓ 98	2	G5	
✓ 99	2	K0	
11:32 ✓ 100	2	F	
101			
102	5	Q0	
102	1	K2	



82	+47°	717	2	42.1	+47	55	8.3	✓
83	+48°	787	2	43.0	+48	23	8.9	✓
84	+48°	765	2	40.1	+48	12	7.8	✓
85	+48°	764	2	39.7	+48	16	8.3	✓
86	+49°	784	2	40.5	+49	21	8.3	✓
87	+50°	661	2	45.4	+50	29	8.0	✓
88	+50°	659	2	44.9	+50	23	8.5	✓
89	+49° +50°	730 <del>661</del>	2	29.6 <del>45.4</del>	+49 +50	29	8.5	✓
90	+48° +5	737	2	32.5	+48	47	8.4	✓
91	+50°	610	2	32.5	+50	1	8.2	✓
92	+49°	748	2	32.8	+49	50	8.2	✓
93	+50°	620	2	35.0	+50	6	8.4	✓
94	+49°	758	2	35.4	+49	12	8.5	✓
95	+48°	750	2	35.9	+48	20	8.5	✓
96	+48°	756	2	37.2	+48	29	8.6	✓
97	+51°	640	2	41.9	+51	37	8.3	✓
98	+51°	645	2	43.7	+51	28	8.9	✓
99	+51°	657	2	47.1	+51	55	8.0	✓
100	+50°	682	2	51.9	+50	52	8.6	✓

Ident. on cards by A.M.C. Dec. 15, 1914.

Ident. in book by J.C.M. Dec. 17, 1914

Identification compared by E.R.B. Dec. 17, 1914

✓	101	+46°	617	2	33.9	+46	20	7.9	
✓	102	+48	782	2	42.6	+48	54	8.5	61 on 13807L

Friday, Nov. 20, 1914

9 38919 long

	No	Int.	Class	Remark
11:32	✓	1 1	K <sub>0</sub>	
	✓	2 1	F <sub>8</sub>	
	✓	3 2	G <sub>0</sub>	
	✓	4 2	G <sub>5</sub>	
	✓	5 1	K <sub>0</sub>	
	✓	6 1	K <sub>0</sub>	
	✓	7 2	K <sub>0</sub>	
	✓	8 2	A <sub>2</sub>	
	✓	9 2	F <sub>5</sub>	
	✓	10 1	G <sub>5</sub>	
	✓	11 1	K <sub>0</sub>	
	✓	12 1	K <sub>2</sub>	
	✓	13 2	F <sub>8</sub>	
	✓	14 1	K <sub>0</sub>	
	✓	15 2	K <sub>2</sub>	
	✓	16 2	K <sub>0</sub>	
	✓	17 2	F <sub>8</sub>	
	✓	18 3	K <sub>0</sub>	
	✓	19 2	F <sub>8</sub>	
	✓	20 3	F <sub>5</sub>	
	✓	21 3	A <sub>0</sub>	
	✓	22 1	K <sub>2</sub>	
	✓	23 4	G <sub>5</sub>	
	✓	24 3	G <sub>0</sub>	
	✓	25 2	G <sub>5</sub>	
	✓	26 3	F <sub>8</sub>	
	✓	27 3	F <sub>0</sub>	



1	+12	389 2	40.9 +12	26.4	8.8 ✓
2	+11	397 2	41.8 +11	32.0	8.6 ✓
3	+11	398 2	42.5 +11	0.9	8.4 ✓
4	+11	399 2	42.6 +11	16.3	8.5 ✓
5	+12	395 2	42.5 +12	50.7	8.2 ✓
6	+12	397 2	43.6 +12	53.5	8.8 ✓
7	+12	404 2	46.3 +12	46.2	8.3 ✓
8	+13	470 2	46.8 +13	3.4	9.0 ✓
9	+12	408 2	47.0 +12	56.0	8.7 ✓
10	+13	475 2	48.2 +13	5.2	8.7 ✓
11	+13	476 2	48.3 +13	18.9	9.0 ✓
12	+12	422 2	52.8 +12	24.7	8.3 ✓
13	+10	390 2	47.2 +10	54.4	8.7 ✓
14	+9	385 2	52.0 +9	55.1	8.8 ✓
15	+10	405 2	55.4 +10	20.9	8.3 ✓
16	+10	408 2	55.6 +10	7.4	8.4 ✓
17	+11	436 2	58.6 +11	4.6	8.8 ✓
18	+12	441 3	0.2 +12	36.6	8.0 ✓
19	+11	<sup>439</sup> <del>442</del> 3	<sup>0.7</sup> <del>1.3</del> +11	<sup>49</sup> <del>57.5</del>	<sup>5</sup> 8.8 ✓
20	+10	427 3	5.2 +10	43.8	8.0
21	+12	453 3	6.5 +12	33.1	8.3 ✓
22	+13	530 3	8.4 +13	19.0	8.7 ✓
23	+14	550 3	10.4 +14	38.9	7.3 ✓
24	+15	453 3	7.0 +15	43.0	8.5 ✓
25	+15	459 3	8.6 +15	6.5	8.7 ✓
26	+16	403 3	4.8 +16	34.5	8.7 ✓
27	+16	395 3	1.5 +16	20.7	8.4 ✓

+15°45'2" sup. at N.  
class 1st or 2nd.

Friday, Nov. 20, 1914  
938919 long

No	Int.	Class	Remark
✓ 28	4	F <sub>0</sub>	Another star sup. at south
✓ 29	4	K <sub>0</sub> E	
✓ 30	2	K <sub>5</sub>	
✓ 31	2	K <sub>0</sub>	
✓ 32	2	A <sub>2</sub>	
✓ 33	2	G <sub>5</sub>	
✓ 34	2	F <sub>5</sub>	
✓ 35	1	K <sub>5</sub>	
✓ 36	1	K <sub>5</sub>	
✓ 37	3	K <sub>0</sub> E	
✓ 38	2	F <sub>8</sub>	
✓ 39	1	K <sub>5</sub>	
✓ 40	1	K <sub>5</sub>	
✓ 41	2	K <sub>0</sub>	
✓ 42	2	G <sub>0</sub>	

11:41

43

44

43	2	G <sub>0</sub>	
44	3	G <sub>0</sub>	
45	5	A <sub>3</sub>	
46	2	A <sub>5</sub>	
47	4	K <sub>0</sub>	
48	3	F <sub>5</sub>	
49	2	A <sub>0</sub>	



28 +16	393 3	00 +16	28.3	80 ✓
29 +18	<del>424</del> 2	2.5	11.1	8.0 ✓
30 +14	<del>355</del> 3	41.1 +18	7.3	8.1 ✓
31 +15	513 2	59.2 +14	38.1	80 ✓
32 +15	423 2	53.6 +15	45.0	90 ✓
33 +15	417 2	51.0 +15	48.3	90 ✓
34 +14	415 2	50.2 +15	24.2	8.7 ✓
35 +15	499 2	50.6 +14	33.6	8.8 ✓
36 +15	397 2	43.8 +15	53.7	8.3 ✓
37 +15	395 2	42.5 +15	7.0	90 ✓
38 +18	<del>355</del> 2	41.1 +18	7.3	8.1 ✓
39 +13	524 3	5.4 +13	46.7	90 ✓
40 +13	521 3	4.2 +13	28.8	8.8 ✓
41 +12	443 3	0.4 +12	59.8	8.8 ✓
42 +12	434 2	57.0 +12	5.1	8.5 ✓
43 +12	426 2	54.0 +12	40.2	8.8 ✓

Identified on cards by Ainc. Dec. 1, 1914

Identified in Book by E. F. & Dec. 2, 1914

Identification compared by B. R. B. Dec. 3, 1914

✓ 43 +10°	411 2	56.5 +10	34	8.5	41 on I 37476
✓ 44 +10°	412 2	57.2 +10	14	8.0	42 on I 37476
					48 on I 37431

✓ 47 +14	516 2	59.7 +14	6	8.7	65 on I 37431
✓ 48 +15	425 2	53.7 +15	56	8.3	65 on I 37372
✓ 49 +13	573 3	1.1 +13	37	8.8	9 on I 38036

Friday, Nov. 20, 1914  
9.38917 long

	No	Int.	Class	Remark
11:45	✓	1 7	A2	
	✓	2 5	A2	
	✓	3 5	F5	
	✓	4 3	K2	
	✓	5 6	F5	
	✓	6 2	K0	
	✓	7 3	K0	
	✓	8 3	A2	
	✓	9 3	A0	
	✓	10 1	K0	
	✓	11 3	F8	
	✓	12 1	K0	
	✓	13 1	K2	
	✓	14 2	K0	
	✓	15 2	A2	
	✓	16 4	A0	Another star sup. on preceding side
	✓	17 4	A0	
	✓	18 3	F5	
	✓	19 2	F5	
	✓	20 3	F2	
	✓	21 4	B9	
	✓	22 2	K2	
	✓	23 2	A2	
	✓	24 3	A0	Partly sup. on 25
	✓	25 6	B9	
	✓	26 3	F5	
11:51	✓	27 7	A0	



1 +40	2240	596 +40	452	6.5 ✓
2 +40	231 1	2.0 +40	9.2	7.5 ✓
3 +42	249 1	2.5 +42	10.1	7.7 ✓
4 +42	252 1	3.5 +42	59.1	8.0 ✓
5 +40	248 1	4.8 +40	53.8	7.0 ✓
6 +42	280 1	11.5 +42	27.7	8.0 ✓
7 +40 <sup>2</sup>	<del>244</del> 1	<del>1274.1</del> +40 <sup>2</sup>	<del>28.4</del> 9.0	7.5 ✓
8 +43	260 1	9.1 +43	163	8.5 ✓
9 +44	257 1	3.4 +44	22.7	8.0 ✓
10 +44	254 1	2.8 +44	18.6	9.0 ✓
11 +44	252 1	1.6 +44	58.5	8.5 ✓
12 +44	253 1	2.0 +44	52.1	8.7 ✓
13 +45	294 1	3.4 +45	10.0	8.7 ✓
14 +45	302 1	5.9 +45	18.6	8.9 ✓
15 +45	309 1	8.6 +45	16.2	9.3 ✓
16 +43	258 1	8.1 +43	40.8	7.5 ✓
17 +46	310 1	8.4 +46	48.5	8.5 ✓
18 +45	320 1	12.2 +45	34.6	8.7 ✓
19 +45	333 1	<del>149</del> <del>150</del> +45	0.0	8.8 ✓ ✓
20 +44	296 1	16.6 +44	51.1	8.5 ✓
21 +44	310 1	19.8 +44	9.7	8.5 ✓
22 +44	319 1	22.0 +44	10.8	8.0 ✓
23 +45	<del>359</del> <del>360</del> 1	21.2 +45	1.7	8.7 ✓
24 +43	301 1	19.6 +43	7.6	8.0 ✓
25 +43	302 1	19.7 +43	17.9	6.5 ✓
26 +42	313 1	22.6 +42	52.5	8.0 ✓
27 +42	293 1	15.9 +42	23.2	6.5 ✓

Identified on cards by AmC. Dec. 1, 1914

Compared by E. R. B. Dec 1, 1914

Wednesday, June 2, 1915

38917 (m.h.)

28 8 B<sub>9</sub> Lines wide but not separated

29 6 B<sub>8</sub>

30 3 K<sub>2</sub>

31 2 A<sub>0</sub>

32 3 A<sub>0</sub>

33 2 A<sub>2</sub>

34

34 3 F<sub>5</sub>

35 7 A<sub>3</sub>



28 0 51.9 +43 55 6.2 Same as 56 on J36956.

Card made up by A.J.C.

+44°240 29 1 2.5 + +44 17 7.6 58 on J36956

+43°251 30 1 5.2 7.8 +43 24 7.8 33 " "

+42°268 31 1 7.5 +42 23 8.6 35 " "

Cards made up by A.J.C.

32 +43°171 0 44.9 +43 10 8.5 J37842 hr. 111

33 +43°216 0 56.8 +43 14 8.7 J37842 hr. 66

Cards made up by A.J.C.

34 +41°246 1 11.4 +41 49 8.4 on J38917

✓ 35 +40°288 1 19.1 +40 21 6.0 5.2 on J37572

Saturday Nov. 21, 1914

938945 long

	No	Int.	Class	Remark
10:30	✓ 1	2	G <sub>0</sub>	
	✓ 2	1	K <sub>2</sub>	
	✓ 3	2	A <sub>0</sub>	
	✓ 4	2	A <sub>2</sub>	
	✓ 5	3	A <sub>2</sub>	
	✓ 6	2	F <sub>2</sub>	
	✓ 7	2	A <sub>2</sub>	
	✓ 8	2	F <sub>5</sub>	
	✓ 9	1	A <sub>2</sub>	
	✓ 10	1	K <sub>0</sub>	
	✓ 11	1	A <sub>3</sub>	
	✓ 12	1	K <sub>5</sub>	
	✓ 13	3	K <sub>0</sub>	
	✓ 14	2	A <sub>2</sub>	
	✓ 15	1	F <sub>8</sub>	
	✓ 16	1	F <sub>8</sub>	Partly sup. on 15
	✓ 17	2	A <sub>0</sub>	
	✓ 18	1	G <sub>5</sub>	
	✓ 19	2	K <sub>2</sub>	
	✓ 20	2	A <sub>3</sub>	
	✓ 21	2	A <sub>2</sub>	
	✓ 22	1	A <sub>0</sub>	
	✓ 23	1	A <sub>0</sub>	
	✓ 24	1	A <sub>0</sub>	
	✓ 25	2	A <sub>0</sub>	
	✓ 26	1	K	
	✓ 27	2	A <sub>5</sub>	



1	+40°	622	2	46.7	+40	35	8.7	✓
2	+40°	624	2	47.0	+40	52	8.6	✓
3	+40°	625	2	47.1	+40	52	8.9	✓
4	+39°	677	2	49.0	+39	17	8.5	✓
5	+40°	641	2	50.5	+40	15	8.4	✓
6	+40°	642	2	50.9	+40	33	8.3	✓
7	+41°	584	2	50.8	+41	14	9.0	✓
8	+41°	593	2	52.8	+41	23	8.3	✓
9	+41°	594	2	53.3	+41	45	9.3	✓
10	+41°	595	2	53.5	+41	54	8.4	✓
11	+43°	623	2	53.3	+43	1	9.1	✓
12	+42°	683	2	52.3	+42	43	8.8	✓
13	+43°	609	2	49.4	+43	22	8.0	✓
14	+42°	668	2	49.4	+42	50	8.6	✓
{15	+43°	607	2	48.2	+43	56	8.5	} Check pl. shows this to be a close double. s. 2 comp. slightly brighter. Bin 1492.
{16								
17	+44°	597	2	46.4	+44	6	9.1	✓
18	+44°	598	2	46.5	+44	23	8.9	✓
19	+42°	651	2	45.7	+42	8	8.6	✓
20	+42°	650	2	45.5	+42	38	8.8	✓
21	+41°	561	2	45.3	+41	33	8.5	✓
22	+41°	567	2	46.3	+41	56	9.3	✓
23	+41°	571	2	46.9	+41	38	8.8	✓
24	+41°	553	2	42.1	+41	13	9.1	✓
25	+41°	543	2	39.3	+41	47	8.7	✓
26	+42°	633	2	39.3	+42	8	8.8	✓
27	+44°	577	2	38.0	+44	40	8.9	✓

Saturday, Nov. 21, 1914

9 38945 long

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



28	+45°	660	2	37.6	+45	18	8.8	✓
29	+45°	682	2	47.7	+45	56	9.2	✓
30	+45°	686	2	48.9	+45	48	9.1	✓
31	+44°	603	2	48.0	+44	32	9.1	✓
32	+44°	609	2	50.6	+44	34	9.0	✓
33	+44°	<del>58</del> <sup>612</sup>	2	51.5	+44	17	8.8	✓ +44° 612a sup. 9.3
34	+44°	613	2	51.5	+44	32	9.3	✓
35	+45°	720	3	1.5	+45	42	8.7	✓
36	+45°	729	3	4.3	+45	2	8.8	✓
37	+44°	649	3	7.0	+44	21	9.3	✓
38	+44°	661	3	9.1	+44	46	8.6	✓
39	+44°	668	3	10.4	+44	50	9.0	✓
40	+44°	669	3	10.5	+44	43	9.0	✓
41	+44°	673	3	11.3	+44	41	9.1	✓
42	+43°	673	3	7.8	+43	39	8.4	✓
43	+43°	669	3	7.1	+43	12	8.0	✓
44	+42°	728	3	6.5	+42	43	8.7	✓
45	+43°	666	3	6.2	+43	1	8.6	✓
46	+41°	643	3	7.2	+41	56	8.5	✓
47	+41°	642	3	7.2	+41	41	8.8	✓
48	+42°	738	3	9.7	+42	5	8.6	✓
49	+41°	649	3	10.0	+41	58	9.1	✓
50	+41°	655	3	10.6	+41	42	8.4	✓
51	+43°	686	3	11.0	+43	27	9.1	✓
52	+42°	748	3	11.4	+42	50	9.2	✓
53	+42°	752	3	12.1	+42	20	8.7	✓
54	+41°	666	3	13.0	+41	9	8.7	✓

Saturday, Nov. 21, 1914

9 38945 long

No	Int.	Class	Remark
✓ 55	2	A <sub>0</sub>	
✓ 56	1	K <sub>0</sub>	
✓ 57	3	B <sub>9</sub>	
✓ 58	3	A <sub>2</sub>	
✓ 59	1	K <sub>0</sub>	
✓ 60	1	A <sub>3</sub>	
✓ 61	2	A <sub>2</sub>	
✓ 62	1	G <sub>5</sub>	Partly sup. on 61
✓ 63	1	K <sub>0</sub>	
✓ 64	2	A <sub>0</sub>	
✓ 65	1	F <sub>1</sub>	
✓ 66	1	A <sub>2</sub>	

10:45

67	3	A <sub>1</sub>	
68	4	G <sub>0</sub>	
69	3	A <sub>0</sub>	
70	2	F <sub>5</sub>	
71	4	G <sub>5</sub>	Another star sup. on free.
72	5	A <sub>0</sub>	
73	3	A <sub>0</sub>	
74	3	A <sub>0</sub>	
75	2	K <sub>5</sub>	
76	2	A <sub>0</sub>	
77	3	A <sub>0</sub>	Another star sup. on free.
78	3	G <sub>0</sub>	Partly sup. on +46° 727.

ent. 130, 212



55	+41°	675	3	15.2	+41	30	8.4	✓
56	+45°	751	3	13.7	+45	1	8.5	✓
57	+45°	752	3	14.0	+45	0	8.4	✓
58	+45°	754	3	14.1	+45	46	9.0	✓
59	+45°	763	3	16.1	+45	20	9.1	✓
60	Approx. 1855	3	16.7	+45	15			✓
61	+45°	750	3	13.3	+45	26	9.0	✓
62	+45°	749	3	13.2	+45	23	9.0	✓
63	+40°	653	2	53.4	+40	40	8.5	✓
64	+43°	636	2	59.4	+43	42	9.0	✓
65	+42°	697	2	56.7	+42	21	8.8	✓
66	+42°	720	3	2.3	+42	18	9.0	✓

← (On chart plate I 27571 ft. later in pos. of +45° 766. Others an error in D.M. could be assumed making this star the D.M.)

Ident. on cards by Amc. Dec. 22, 1914

Ident. in book by J. G. M. Dec. 23, 1914.

Identification compared by G. B. B. Dec. 23, 1914

✓	67	3	0.3	+41	42	(+41° 62)	8.2	37 on I 38056
✓	68	+43°	653	3	3.2	+43	45	8.1 49 on I 37452
✓	69	+45°	726	3	2.7	+45	33	8.8 91 " "
	70	+45°	727	3	2.8	+45	41	8.5 ✓
✓	71	+46°	708	3	3.7	+46	16	8.2 93 on I 37452
✓	72	+46°	713	3	4.9	+46	35	8.5 94 " "
✓	73	+47°	802	3	9.6	+47	21	8.2 134 " "
✓	74	+44°	655	3	8.3	+44	42	8.8 53 " "
✓	75	+45°	740	3	10.4	+45	21	7.4 58 " "
✓	76	+45°	746	3	11.7	+45	12	9.0 60 " "
/	77	+46°	744	3	14.8	+46	47	8.0 99 " "
✓	78	+46°	726	3	8.6	+46	22	7.8 96 " "

Saturday, Nov. 21, 1914

938933 long

	No	Int.	Class	Remark
10:45	✓ 1	2	A <sub>0</sub>	
	✓ 2	2	F <sub>2</sub>	
	✓ 3	2	A <sub>2</sub>	
	✓ 4	1	K <sub>2</sub>	
	✓ 5	2	A <sub>0</sub>	
	✓ 6	2	Ly <sub>5</sub>	
	✓ 7	3	A <sub>2</sub>	
	✓ 8	2	A <sub>0</sub>	
	✓ 9	2	K <sub>2</sub>	
	✓ 10	2	B <sub>9</sub>	
	✓ 11	3	K <sub>2</sub>	
	✓ 12	3	F <sub>5</sub>	
	✓ 13	2	K <sub>0</sub>	
	✓ 14	2	B <sub>9</sub>	
	✓ 15	3	A <sub>0</sub>	
	✓ 16	4	K <sub>2</sub>	
	✓ 17	5	Ly <sub>0</sub>	
	✓ 18	3	B <sub>9</sub>	
	✓ 19	2	K <sub>5</sub>	
	✓ 20	1	A <sub>2</sub>	
	✓ 21	1	F <sub>5</sub>	
	✓ 22	3	K <sub>0</sub>	
	✓ 23	2	Ly <sub>5</sub>	
	✓ 24	1	Mar	
	✓ 25	1	Ly	
	✓ 26	2	Ly <sub>0</sub>	
	✓ 27	1	Ly <sub>5</sub>	



1	+42°	768	3	19.3	+42	47	8.9✓
2	+42°	<del>768</del> <sup>771</sup>	3	19.8	+42	<del>47</del> <sup>44</sup>	8.9✓
3	+43°	739	3	21.0	+43	28	9.0✓
4	+43°	740	3	21.3	+43	42	8.8✓
5	+43°	748	3	22.9	+43	45	9.0✓
6	+43°	744	3	22.2	+43	10	8.6✓
7	+43°	751	3	23.2	+43	6	9.0✓
8	+43°	757	3	24.0	+43	21	9.0✓ +43° 756 sup. 9.5
9	+43°	766	3	25.5	+43	21	8.0✓
10	+43°	771	3	26.9	+43	35	8.8✓
11	+44°	761	3	28.7	+44	3	8.2✓
12	+44°	751	3	27.6	+44	34	8.5✓
13	+44°	763	3	29.1	+44	24	8.8✓
14	+42°	802	3	29.1	+42	38	8.8✓
15	+42°	808	3	31.6	+42	10	8.7✓
16	+42°	810	3	33.7	+42	43	7.8✓
17	+42°	812	3	33.9	+42	8	7.5✓
18	+43°	798	3	34.4	+43	53	8.3✓
19	+44°	782	3	34.1	+44	25	7.5✓
20	+44°	779	3	33.9	+44	2	8.8✓
21	+42°	813	3	34.4	+42	41	9.2✓
22	+43°	814	3	38.6	+43	13	8.3✓
23	+43°	816	3	39.0	+43	54	8.5✓
24	+42°	831	3	40.6	+42	9	8.0✓
25	+41°	759	3	40.1	+41	58	9.0✓
26	+41°	745	3	36.4	+41	59	8.5✓
27	+41°	744	3	36.3	+41	21	8.6✓

Saturday, Nov. 21, 1914

T 38933 long

No	Int.	Class	Remark
✓ 28	2	A2	
✓ 29	1	K0	
✓ 30	2	F18	
✓ 31	2	A2	
✓ 32	3	A0	
✓ 33	3	A2	
✓ 34	5	A0	
✓ 35	2	Ly5	
✓ 36	2	Ly0 E	
✓ 37	4	K0 E	
✓ 38	2	F15 E	
✓ 39	2	Ma	
✓ 40	1	Ma	
✓ 41	1	Ma	
✓ 42	2	Ly0	
✓ 43	3	K0	
✓ 44	3	Ly5	
✓ 45	2	Ly5	
✓ 46	1	Ly5	
✓ 47	2	Ly	
✓ 48	1	A0	
✓ 49	2	A0	
✓ 50	2	B9	
✓ 51	1	K5	
✓ 52	3	A0	
✓ 53	2	K2	Partly sup. on bright star preceding
✓ 54	2	A2	



28	+41°	767	3	42.6	+41	29	9.0	✓
29	+41°	769	3	43.1	+41	50	8.7	✓
30	+42°	845	3	45.2	+42	28	8.5	✓
31	+42°	852	3	46.5	+42	35	8.9	✓
32	+42°	856	3	48.3	+42	41	8.5	✓
33	+42°	879	3	54.2	+42	38	8.0	+42° 880 sup. 8.8
34	+41°	792	3	50.7	+41	51	7.5	✓
35	+41°	785	3	49.8	+41	25	8.5	✓
36	+42°	904	24	0.0	+42	12	8.3	✓
37	+41°	826	4	1.3	+41	22	7.0	✓
38	+41°	827	4	1.5	+41	29	8.0	✓
39	+41°	823	4	0.5	+41	48	8.0	✓
40	+41°	824	4	0.9	+41	50	8.5	✓
41	+42°	895	3	57.9	+42	40	8.8	✓
42	+42°	894	3	57.4	+42	28	8.6	✓
43	+42°	789	3	26.1	+42	24	8.3	✓
44	+41°	714	3	26.4	+41	51	8.3	✓
45	+41°	715	3	26.5	+41	15	8.3	✓
46	+40°	808	3	29.7	+40	22	8.8	✓
47	+45°	787	3	23.5	+45	14	9.0	✓
48	+44°	737	3	23.8	+44	36	9.1	✓
49	+44°	740	3	24.3	+44	50	9.0	✓
50	+44°	745	3	25.3	+44	56	9.0	✓
51	+45°	799	3	31.2	+45	42	8.5	✓
52	+45°	801	3	32.2	+45	34	9.0	✓
53	+45°	805	3	34.6	+45	34	8.3	+45° 804 sup. 6.5
54	+45°	807	3	34.9	+45	27	9.1	✓

Saturday, Nov. 21, 1914  
 9 38933 long

No	Int.	Class	Remark
✓ 55	4	A <sub>0</sub>	Partly sup. on a br. star following
✓ 56	3	A <sub>0</sub>	
✓ 57	3	K <sub>2</sub>	
✓ 58	4	B <sub>9</sub>	
✓ 59	2	K <sub>0</sub>	
✓ 60	3	K <sub>0</sub>	
✓ 61	3	A <sub>2</sub>	
✓ 62	6	B <sub>3</sub>	E
✓ 63	3	A <sub>2</sub>	
✓ 64	3	K <sub>2</sub>	E
✓ 65	4	B <sub>8</sub>	
✓ 66	1	K <sub>0</sub>	
11:02 ✓ 67	1	K <sub>2</sub>	
✓ 68			
69			
70			
68	3	A <sub>0</sub>	
69	3	K <sub>2</sub>	
70	4	B <sub>9</sub>	
71	4	F <sub>8</sub>	Prob. <sup>like</sup> S Canis Maj. Lines narrow.
72	4	G <sub>0</sub>	
73	3	K <sub>2</sub>	
74	3	K <sub>p</sub>	Red end = K, violet end = A. I 32041 chart. shows a ft. star on spec.
75	4	A <sub>0</sub>	
76	3	K <sub>0</sub>	

cont. 130, 214



55	+46 <sup>50</sup>	808	3	35.8	+45	8	8.0	+45° 811 sup. 6.2
56	+46°	800	3	38.5	+46	14	8.2	+46° 801 sup. 8.8
57	+47°	894	3	39.4	+47	13	8.3	✓
58	+45°	833	3	42.8	+45	31	8.0	✓
59	+45°	828	3	41.5	+45	1	8.1	✓
60	+45°	836	3	43.9	+45	4	7.8	✓
61	+47°	910	3	44.3	+47	13	8.8	✓
62	+48°	1019	3	44.9	+48	37	7.0	✓
63	+47°	916	3	46.7	+47	2	9.0	✓
64	+48°	1024	3	48.8	+48	20	7.5	✓
65	+47°	929	3	51.9	+47	5	8.1	✓
66	+47°	878	3	33.8	+47	0	8.8	✓
67	+46°	791	3	35.9	+46	20	8.8	✓

Identified on cards by Amc. Dec. 2, 1914

Identified in book by J.G.M. Dec. 14, 1914

Identification compared by G.R.B. Dec. 17, 1914

✓	68	+42°	786	3	25.5	+42	5	8.7	36	on I 37452
✓	69	+42°	792	3	27.2	+42	47	8.0	39	" "
✓	70	+43°	783	3	30.2	+43	35	8.5	43	" "
✓	71	+45°	798	3	31.2	+45	26	8.3	82	" "
✓	72	+44°	747	3	26.4	+44	50	8.4	75	" "
✓	73	+44°	744	3	25.4	+44	58	8.1	74	" "
✓	74	+44°	732	3	22.4	+44	20	7.5	71	" "
✓	75	+46°	767	3	23.2	+46	55	8.5	118	" "
✓	76	+44°	742	3	24.8	+44	18	7.3	73	" "

Saturday, Nov. 21, 1914

938943 long

	No	Int.	Class	Remark
12125	✓	1 1.	K5	
	✓	2 3	F8	
	✓	3 1	K0	
	✓	4 2	A2	
	✓	5 3	A5	
	✓	6 3	A0	
	✓	7 3	K0	
	✓	8 3	A2	
	✓	9 2	K0	
	✓	10 2	F2	
	✓	11 3	F8	
	✓	12 3	G0	
	✓	13 3	A2	
	✓	14 3	G0	
	✓	15 2	A5 E	
	✓	16 2	F8	
	✓	17 3	G0 E	
	✓	18 3	A3 E	
	✓	19 3	K0 E	
	✓	20 4	G5 E	
	✓	21 2	A0 E	
12129	✓	22 3	K5	
1:02	✓	23 2	A0	
	✓	24 2	F2	
	✓	25 3	F2	
	✓	26 1	A2	
	✓	27 1	K0	



1	+73°	188	3	20.5	+73	10	8.4✓
2	+72°	179	3	20.4	+72	50	8.6✓
3	+72°	181	3	21.5	+72	36	9.0✓
4	+72°	177	3	18.2	+72	36	9.2✓
5	+72°	176	3	17.8	+72	14	9.2✓
6	+71°	195	3	7.9	+71	32	8.9✓
7	+70°	239	3	7.7	+70	35	7.9✓
8	+70°	235	3	3.6	+70	22	8.4✓
9	+69°	204	3	3.7	+69	46	8.8✓
10	+70°	234	3	2.0	+70	51	9.0✓
11	+71°	190	3	3.7	+71	45	8.9✓
12	+70°	227	2	55.1	+70	58	8.5✓
13	+70°	229	2	56.8	+70	13	9.0✓
14	+68°	229	3	2.8	+68	47	9.0✓
15	+69°	194	2	51.4	+69	39	9.1
16	+69°	190	2	50.0	+69	18	8.5
17	+70°	216	2	44.7	+70	2	8.3✓
18	+70°	208	2	37.1	+70	22	8.6✓
19	+69°	182	2	37.1	+69	53	8.0✓
20	+71°	171	2	36.0	+71	9	7.7✓
21	+70°	211	2	38.6	+70	58	8.6✓
22	+69°	229	3	39.8	+69	46	8.0✓
23	+69°	221	3	25.8	+69	14	8.9✓
24	+69°	215	3	17.5	+69	27	9.0
25	+69°	214	3	17.0	+69	15	8.9✓
26	+69°	211	3	13.7	+69	12	9.1
27	+69°	209	<del>2</del> <sup>3</sup>	10.0	+69	44	8.6✓

Two stars on chart  
plate I 19774, only one  
in cat.

+69° 212 sup 9.1

+69° 212 sup.

Saturday, Nov. 21, 1914

9 389 43 long

No Int.	Class	Remark
✓ 28 2	F5	
✓ 29 2	K0	
30		

1:04

June 2, 1915

30 2	A0	
✓ 31 3	A3	
✓ 32 3	K0	
✓ 33 4	B8	
✓ 34 3	A2	
✓ 35 4	A0	Partly sup. on 36
✓ 36 5	A0	
37 1	K0	
38 3	A0	
39 3	F8	
40 3	K0	
41 3	A0	
42 3	K0	
43 4	G5	
44 2	K0	
45 3	G0	



28 +67° 239 2 50.8 +67 57 9.0 ✓  
 29 +68° 214 2 49.3 +68 38 8.4 ✓

Identified on cards by Amc. Dec. 5, 1914

Identified in book by J.B.M. Dec. 10, 1914

Identification compared by G.R.B. Dec. 12, 1914

✓ 30	+72°	154	2	48.2	+72°	1.5	7.8	no. 20 on I37555
✓ 31	+72°	162	3	0.8	+72	15	9.2	66 on I37555
✓ 32	+70°	231	2	58.8	+70	40	7.9	39 " "
✓ 33	+70°	242	3	9.0	+70	53	9.0	31 " "
✓ 34	+70°	254	3	32.9	+70	5	8.7	19 " "
✓ 35	+71°	205	3	16.6	+71	40	8.6	25 " "
✓ 36	+71°	204	3	16.5	+71	21	8.4	24 " "
✓ 37	+73°	206	3	43.2	+73	7	9.0	9 on I37555
✓ 38	+74°	154	3	16.2	+74	2	8.9	105 on " "
✓ 39	+68°	242	3	12.1	+68	38	8.0	29 on I37600
✓ 40	+66°	269	3	18.6	+66	55	7.5	22 " "
✓ 41	+66°	275	3	21.5	+66	47	8.9	21 " "
✓ 42	+65°	347	3	19.0	+65	48	8.0	19 " "
✓ 43	+67°	279	3	24.3	+67	31	8.0	25 " "
✓ 44	+68°	273	3	30.7	+68	21	8.3	37 " "
✓ 45	+68°	280	3	34.8	+68	45	8.0	36 " "

Monday, Nov 23, 1914  
938944

	No Int.	Class	Remark
10:25	✓ 1 2	G0	
	✓ 2 1	K2	
	✓ 3 2	G0	
	✓ 4 2	F8	
	✓ 5 1	A2	
	✓ 6 1	K0	
	✓ 7 1	K2	
	✓ 8 2	G5	
	✓ 9 4	G5	
	✓ 10 4	F2	
	✓ 11 3	F8	
	✓ 12 3	F8	
	✓ 13 2	K5	
	✓ 14 4	F0	
	✓ 15 2	G5	
	✓ 16 3	K0	
	✓ 17 3	K2	
	✓ 18 4	G5	
	✓ 19 3	A3	
	✓ 20 3	K2	
	✓ 21 3	A5 E	
	✓ 22 3	A2 E	
	✓ 23 3	K5	
	✓ 24 2	A3	
	✓ 25 3	A0	
	✓ 26 3	G0 E	
	✓ 27 4	F2	



1	+12°	325	2	16.7	+12	22	8.8	✓
2	+13°	388	2	17.4	+13	50	8.8	✓
3	+13°	389	2	17.6	+13	53	8.6	✓
4	+14°	393	2	16.9	+14	0	8.9	✓
5	+16°	288	2	17.0	+16	11	9.0	+16° 289 sup. 9.0
6	+16°	290	2	17.8	+16 <sup>7</sup>	0	9.0	✓
7	+17°	364	2	18.0	+17	20	9.1	✓
8	+15°	339	2	19.8	+15	27	9.0	✓
9	+14°	408	2	21.0	+14	57	8.5	✓
10	+14°	4 <sup>1</sup> <del>2</del> 8	2	24.7	+14	31	8.9	✓
11	+13°	402	2	23.0	+13	19	8.5	✓
12	+12°	342	2	22.9	+12	47	8.3	✓
13	+13°	410	2	27.8	+13	11	8.2	✓
14	+13°	413	2	28.4	+13	3	8.3	✓
15	+12°	359	2	29.2	+12	16	8.5	✓
16	+14°	428	2	28.2	+14	30	8.7	✓
17	+15°	354	2	27.7	+15	58	8.1	✓
18	+17°	395	2	27.0	+17	25	8.4	+17° 397 sup. 9.0
19	+17°	403	2	28.7	+17	18	8.9	✓
20	+18°	319	2	23.6	+18	39	8.5	✓
21	+19°	391	2	29.8	+19	26	8.5	✓
22	+19°	392	2	30.2	+19	38	8.5	✓
23	+18°	339	2	35.1	+18	48	8.5	✓
24	+16°	345	2	39.3	+16	41	8.6	✓
25	+16°	346	2	39.3	+16	36	8.7	✓
26	+14°	471	2	40.8	+14	0	8.2	✓
27	+14°	454	2	36.0	+14	57	8.5	✓

Monday, Nov. 23, 1914  
938944

No	Int.	Class	Remark
✓ 28	3	G5	
✓ 29	4	A2	
✓ 30	3	F5	
✓ 31	2	K2	
✓ 32	1	F8	
✓ 33	2	K0	
✓ 34	1	K2	
✓ 35	3	A0	
10:33 ✓ 36	2	A2	
<del>37</del>			
<del>38</del>			
<del>39</del>			
<del>40</del>			
37	3	F5	Three faint Composite,



28 +15°	378	2	35.8 +15	29	8.7 ✓
29 +15°	374	2	33.5 +15	1	9.1 ✓
30 +15°	372	2	33.3 +15	24	8.6 ✓
31 +15°	367	2	32.7 +15	3	8.8 ✓
32 +14°	438	2	30.9 +14	48	9.0 ✓
33 +12°	381	2	35.8 +12	40	7.5 ✓
34 +12°	386	2	37.2 +12	35	8.0 ✓
35 +13°	446	2	37.5 +13	19	8.4 ✓
36 +16°	331	2	34.3 +16	59	8.8 ✓

Identified on cards by Amc. Dec. 5, 1914

Identified in book by J. L. M. Dec. 10, 1914

Identification compared by G. R. B. Dec. 12, 1914

37 +17° 414 2 32.5 + 17 58 7.8 35 on Q 87383

Monday, Nov. 23, 1914  
938939

	No	Int.	Class	Remark
11108	✓ 1	3	A0	
	✓ 2	2	G5	
	✓ 3	3	M0	
	✓ 4	2	K0	
	✓ 5	3	A0	
	✓ 6	1	G0	
	✓ 7	3	A0	
	✓ 8	2	Ma	
	✓ 9	4	K0	
	✓ 10	1	G0	
	✓ 11	3	A0	
	✓ 12	4	A5	
	✓ 13	3	K0	
	✓ 14	2	A0	
	✓ 15	3	A0	
	✓ 16	5	G0	
	✓ 17	2	F8	
	✓ 18	3	K2	
	✓ 19	1	F	
	✓ 20	1	Ma	
	✓ 21	2	A0	
	✓ 22	2	K2	
	✓ 23	3	K2	
	✓ 24	4	B9	
	✓ 25	2	K0	
	✓ 26	3	K5	
	✓ 27	3	Ma	



1	+34°	794	3	53.3	+34	59	8.0	✓
2	+34°	794 <sup>6</sup>	3	53.3 <sup>5</sup>	+34	59 <sup>5</sup>	8.5	✓
3	+34°	798	3	53.9	+34	25	7.5	✓
4	+34°	807	3	56.2	+34	46	8.5	✓
5	+35°	800	3	57.6	+35	56	8.3	✓
6	+36°	823	3	58.2	+36	44	8.8	✓
7	+36°	825	3	58.6	+36	34	8.3	✓
8	+36°	829	3	59.7	+36	2	7.7	✓
9	+35°	809	4	0.2	+35	35	7.6	✓
10	+36°	835	4	0.6	+36	15	8.9	✓
11	+35°	816	4	1.6	+35	32	8.3	✓
12	+36°	842	4	2.5	+36	23	8.3	✓
13	+36°	844	4	2.7	+36	26	8.2	✓
14	+36°	845	4	2.8	+36	31	8.9	✓
15	+36°	846	4	2.9	+36	41	8.7	✓
16	+37°	894	4	2.7	+37	21	8.0	✓
17	+36°	859	4	6.8	+36	22	8.0	✓
18	+36°	860	4	7.0	+36	9	7.5	✓
19	+36°	867	4	9.9	+36	47	8.5	✓
20	+36°	872	4	10.6	+36	51	7.7	✓
21	+38°	875	4	10.4	+38	0	8.5	✓
22	+37°	914	4	13.2	+37	37	7.8	✓
23	+35°	849	4	11.2	+35	27	8.0	✓
24	+35°	858	4	13.7	+35	42	7.3	✓
25	+35°	857	4	13.6	+35	8	8.2	✓
26	+34°	863	4	12.0	+34	13	7.5	✓
27	+34°	874	4	14.9	+34	54	7.2	✓

Monday, Nov. 23, 1914

738939

No	Int.	Class	Remark
✓ 28	3	A5	
✓ 29	4	A0	
✓ 30	3	F8	
✓ 31	1	K2	
✓ 32	3	F5	
✓ 33	3	K0	
✓ 34	1	g	
✓ 35	1	K2	
✓ 36	1	K0	
✓ 37	2	K2	
✓ 38	3	F8	
✓ 39	4	F0	
✓ 40	3	A2	
✓ 41	1	g	Partly sup. on 40
✓ 42	2	g0	
✓ 43	2	G0	
✓ 44	3	F8	
✓ 45	2	F0	
✓ 46	2	A3	
✓ 47	3	A5	
✓ 48	1	K0	
✓ 49	2	F0	
✓ 50	1	F0	
✓ 51	1	K5	
✓ 52	1	g5	
✓ 53	1	K0	
✓ 54	2	F5	



28	+36°	888	4	15.9	+36	56	7.8✓
29	+36°	889	4	16.0	+36	20	7.3✓
30	+37°	930	4	21.9	+37	20	8.0✓
31	+35°	875	4	20.9	+35	48	8.2✓
32	+35°	877	4	21.4	+35	17	8.0✓
33	+34°	882	4	18.6	+34	42	8.0✓
34	+34 <sup>5</sup> °	879	4	22.9	+35	55	8.4✓
35	+36°	910	4	23.3	+36	26	8.6✓
36	+35°	882	4	23.5	+35	31	8.5✓
37	+37°	941	4	25.7	+37	11	7.2✓
38	+37°	952	4	28.6	+37	4	8.0✓
39	+35°	885	4	26.2	+35	22	7.5✓
40	+37°	862	3	53.2	+37	32	8.3✓
41	+37°	863	3	53.3	+37	32	8.8✓
42	+37°	870	3	54.5	+37	12	8.1✓
43	+36°	814	3	55.5	+36	20	8.8✓
44	+37°	873	3	55.4	+37	3	8.5✓
45	+38°	841	3	57.5	+38	4	8.3✓
46	+37°	887	4	1.1	+37	43	8.3✓
47	+37°	888	4	1.2	+37	40	8.3✓
48	+39°	936	3	58.9	+39	19	8.0✓
49	+39°	952	4	3.2	+39	59	8.1✓
50	+39°	954	4	3.7	+39	42	8.3✓
51	+38°	873	4	10.0	+38	57	8.0✓
52	+38°	896	4	18.6	+38	6	8.4✓
53	+38°	905	4	21.7	+38	24	8.3✓
54	+38°	907	4	22.6	+38	29	8.0✓

Monday, Nov. 23, 1914  
938939

No	Int.	Class	Remark
✓ 55	2	A2	
✓ 56	5	K E	
✓ 57	5	K E	
✓ 58	2	ly	Partly sup. on 59
✓ 59	1	ly	" " " " 58
✓ 60	2	ly5	
✓ 61	2	A0	
✓ 62	3	K5	
✓ 63	2	K0	
✓ 64	4	A0	
✓ 65	2	A0	
✓ 66	2	A0	
✓ 67	1	A0	
✓ 68	3	K0	
✓ 69	1	K2	
✓ 70	2	A2	
11:20 ✓ 71	1	F5	

72  
73

580 100 100 72 2 K5  
73 4 G0  
74 2 A3  
75 3 B9



55 +38°	917	4	25.8	+38	10	8.5✓
56 +41°	920	4	28.0	+41	50	7.5✓
57 +41°	923 <sup>7</sup>	4	28.7 <sup>7</sup>	+41	53 <sup>7</sup>	7.0 8.8✓
58 +31°	795	4	24.7	+31	50	8.5✓
59 +31°	796	4	24.7	+31	55	8.5✓
60 +33°	796	3	59.3	+33	19	7.8✓
61 +32°	741	4	3.2	+32	26	9.0✓
62 +32°	743	4	3.7	+32	9	6.5✓
63 +32°	761	4	7.7	+32	53	8.1✓
64 +33°	827	4	8.3	+33	40	8.4✓
65 +34°	852	4	8.1	+34	35	9.0✓
66 +34°	831	4	3.4	+34	55	9.0✓
67 +34°	824	4	1.3	+34	22	9.0✓
68 +33°	840	4	11.7	+33	1	7.8✓
69 +33°	860	4	17.6	+33	37	8.8✓
70 +34°	875	4	15.2	+34	11	8.7✓
71 +33°	871	4	21.3	+33	42	8.5✓

Identified on cards by Amc. Dec. 3, 1914

Identified in book by J. B. M. Dec. 15, 1914

Identification compared by G. R. B. Dec. 17, 1914

✓ 72 +33°	856	4	15.5	+33	14	8.495	m I 37387
✓ 73 +38°	886	4	15.5	+38	42	7.8	69 m I 10405
✓ 74 +40°	1013	4	29.4	+40	14	9.0	17 m I 38152
✓ 75 +39°	1011	4	20.8	+39	30	8.5	45 " "

Monday, Nov. 23, 1914  
938934

	No Int.	Class	Remark
11:51	✓ 1 2	A <sub>0</sub>	
	✓ 2 4	A <sub>0</sub>	
	✓ 3 2	A <sub>2</sub>	
	✓ 4 5	B <sub>9</sub>	
	✓ 5 6	F <sub>8</sub>	
	✓ 6 3	A <sub>0</sub>	Lines hazy. 4026 prob. present
	✓ 7 3	A <sub>2</sub>	
	✓ 8 1	K <sub>5</sub>	
	✓ 9 1	K <sub>5</sub>	
	✓ 10 2	F <sub>0</sub>	
	✓ 11 1	K <sub>5</sub>	
	✓ 12 1	K <sub>0</sub>	
	✓ 13 3	K <sub>5</sub>	
	✓ 14 3	K <sub>0</sub>	
	✓ 15 3	F <sub>5</sub>	
	✓ 16 4	A <sub>2</sub>	
	✓ 17 2	K <sub>2</sub>	
	✓ 18 2	A <sub>0</sub>	Lines very broad. Double? Not double mcl. pl. 9/10
	✓ 19 5	A <sub>0</sub>	
	✓ 20 4	G <sub>0</sub>	
	✓ 21 1	A <sub>0</sub>	
	✓ 22 1	G <sub>5</sub>	
	✓ 23 4	A <sub>2</sub>	
	✓ 24 2	G <sub>0</sub>	
	✓ 25 4	G <sub>5</sub>	
	✓ 26 2	F <sub>8</sub>	
	✓ 27 3	A <sub>0</sub>	



1 +33°	891	4	33.0	+33	41	8.2 ✓
2 +35°	893	4	29.8	+35	40	7.0 ✓
3 +35°	897	4	32.8	+35	34	7.5 ✓
4 +36°	926	4	33.0	+36	1	7.2 ✓
5 +37°	957	4	32.5	+37	14	7.8 ✓
6 +38°	926	4	32.8	+38	6	8.5 ✓
7 +38°	933	4	34.7	+38	27	8.3 ✓
8 +36°	927	4	34.1	+36	47	8.1 ✓
9 +35°	900	4	34.6	+35	55	8.0 ✓
10 +37°	964	4	35.8	+37	28	8.8 ✓
11 +38°	936	4	36.4	+38	58	8.5 ✓
12 +39°	1079	4	40.3	+39	34	8.7 ✓
13 +39°	1090	4	42.5	+39	2	8.0 ✓
14 +37°	968	4	39.8	+37	5	8.0 ✓
15 +36°	9 <sup>4</sup> 6	4	42.3	+36	53	8.4 ✓
16 +35°	916	4	42.5	+35	58	8.0 ✓
17 +36°	949	4	42.8	+36	14	8.6 ✓
18 +36°	954	4	43.4	+36	7	8.8 ✓
19 +35°	917	4	43.3	+35	33	8.3 ✓
20 +34°	917	4	43.6	+34	27	8.2 ✓
21 +35°	925	4	45.0	+35	58	8.6 ✓
22 +35°	936	4	48.1	+35	31	8.9 ✓
23 +34°	930	4	48.7	+34	54	8.0 ✓
24 +33°	929	4	47.6	+33	59	8.8 ✓
25 +34°	927	4	48.4	+34	2	8.0 ✓
26 +33°	948	4	54.7	+33	3	8.5 ✓
27 +33°	949	4	54.8	+33	24	8.5 ✓

Monday, Nov. 23, 1914  
938934

No	Int.	Class	Remark
✓ 28	3	A <sub>0</sub>	
✓ 29	1	F <sub>5</sub>	
✓ 30	1	F <sub>0</sub>	
✓ 31	3	F <sub>0</sub>	Partly sup. on 32
✓ 32	3	A <sub>0</sub>	" " " 31
✓ 33	2	A <sub>2</sub>	
✓ 34	1	F <sub>5</sub>	
✓ 35	1	F <sub>5</sub>	
✓ 36	2	F <sub>8</sub>	
✓ 37	2	F <sub>2</sub>	
✓ 38	2	A <sub>0</sub>	
✓ 39	6	B <sub>9</sub>	

12100

40  
41

33555 40 7 . A<sub>3</sub> Perhaps Comp. Tucanae's solar lines seen



28 +32°	876	4	54.5 +32	10	8.3	✓
29 +34°	956	4	59.6 +34	28	8.6	✓
30 +35°	986	4	58.1 +35	3	8.6	✓
31 +35°	976	4	56.8 +35	22	7.9	✓
32 +35°	977	4	56.9 +35	18	8.1	✓
33 +36°	1000	4	56.6 +36	20	8.5	✓
34 +36°	993	4	54.2 +36	31	8.5	✓
35 +35°	953	4	52.4 +35	43	8.5	✓
36 +32°	858	4	49.3 +32	11	8.4	✓
37 +32°	824	4	34.1 +32	57	8.4	✓
38 +39°	1163	4	55.2 +39	4	8.5	✓
39 +39°	1205	<sup>5</sup> 4	2.2 +39	55	7.1	✓

Identified on cards by Amel. Dec. 2, 1914

Identified in books by J.B.M. Dec. 15, 1914.

Identification compared by E.R.B. Dec. 16, 1914.

✓ 40 +32° 840 4 39.9 +32 21 6.0 72 on √37260

Monday, Nov. 23, 1914

938932

	No	Int.	Class	Remark
9:04	✓ 1	4	A0	
	✓ 2	2	K0	
	✓ 3	2	A2	
	✓ 4	2	G5	
	✓ 5	2	A2	
	✓ 6	1	F8	
	✓ 7	2	A0	
	✓ 8	1	K0	
	✓ 9	1	Comp. Br. = G0, F8 = A	Region of line K very hazy
	✓ 10	1	K0	
	✓ 11	1	A3	
	✓ 12	1	K2	
	✓ 13	4	F8	
	✓ 14	2	A2	
	✓ 15	1	K2	
	✓ 16	1	F2	
	✓ 17	2	F2	
	✓ 18	1	K5	
	✓ 19	3	A2	
	✓ 20	2	A0	
	✓ 21	2	A5	
	✓ 22	1	A2	
	✓ 23	3	A3	
	✓ 24	4	F2	
	✓ 25	2	A2	
	✓ 26	2	A0	
	✓ 27	2	A0	



1	+47°	699	2	38.6	+47	26	8.0	✓
2	+47°	698	2	38.3	+47	34	7.8	✓
3	+48°	765 <sup>5</sup>	2	36.9	+48	15	8.8	✓
4	+48°	762 <sup>5</sup>	2	36.6	+48	45	8.8	✓
5	+48°	768 <sup>5</sup>	2	37.9	+48	43	8.5	✓
6	+48°	760	2	38.4	+48	36	8.5	✓
7	+48°	766	2	40.4	+48	4	9.0	✓
8	+47°	714	2	41.6	+47	54	8.8	✓
9	+48°	780	2	42.5	+48	2	8.5	✓
10	+48°	791	2	44.4	+48	24	8.7	✓
11	+48°	795	2	45.4	+48	19	8.6	✓
12	+48°	794	2	45.3	+48	7	8.9	✓
13	+47°	734	2	45.3	+47	39	8.3	✓
14	+48°	787	2	43.0	+48	23	8.9	✓
15	+48°	782	2	42.6	+48	54	8.5	✓
16	+49°	788	2	43.0	+49	46	8.5	✓
17	+49°	789	2	43.1	+49	50	8.7	✓
18	+50°	667	2	46.7	+50	12	8.5	✓
19	+50°	670	2	47.0	+50	16	8.9	✓
20	+49°	810	2	48.0	+49	17	9.0	✓
21	+50°	686	2	52.9	+50	51	8.6	✓
22	+50°	685	2	52.7	+50	13	9.0	✓
23	+49°	848	2	56.0	+49	32	8.4	✓
24	+48°	847	2	56.2	+48	42	7.8	✓
25	+48°	845	2	55.6	+48	18	9.0	✓
26	+48°	839	2	53.7	+48	7	8.7	✓
27	+47°	758	2	53.9	+47	47	9.3	✓

Monday, Nov. 23, 1914

938932

No	Int.	Class	Remark.
✓ 28	2	A5	
✓ 29	2	K0	
✓ 30	3	A2	
✓ 31	1	K5	
✓ 32	2	A	
✓ 33	2	A	
✓ 34	2	A3	
✓ 35	3	A2	
✓ 36	1	K0	
✓ 37	1	K0	
✓ 38	2	F12	
✓ 39	4	A0	
✓ 40	2	F5	
✓ 41	56	A2	
✓ 42	5	A2	
✓ 43	3	A3	
✓ 44	2	F8	
✓ 45	3	F5	
✓ 46	3-4	* A0	--
✓ 47	3	A0	
✓ 48	3	K0	
✓ 49	3-2	A0	
✓ 50	1	K2	
✓ 51	1	F8	
✓ 52	2	F5	
✓ 53	3	F8	
✓ 54	2	F5	



28	+47°	756	<sup>2</sup> 3	53.2	+47	19	9.1	✓
29	+47°	759	2	53.9	+47	8	9.1	✓
30	+46°	683 <sup>4</sup>	2	55.7	+46	50	9.4	✓
31	+47°	767	2	56.3	+47	10	8.8	✓
32	+46°	690	2	57.0	+46	43	9.1	✓
33	+46°	701	3	1.4	+46	40	9.2	✓
34	+47°	780	3	2.7	+47	18	9.0	✓
35	+46°	717	3	5.4	+46	44	8.8	✓
36	+46°	711	3	4.2	+46	15	8.5	✓
37	+47°	796	3	6.9	+47	30	8.8	✓
38	+48°	888 <sup>5</sup>	3	<sup>9.5</sup> 11.0	+48	<sup>22</sup> 19	<sup>5</sup> 8.0	✓
39	+48°	897	3	12.9	+48	53	8.6	✓
40	+48°	905	3	14.1	+48	40	8.8	✓
41	+48°	906	3	14.2	+48	36	8.0	✓
42	+48°	907	3	14.9	+48	44	8.5	✓
43	+47°	822	3	16.0	+47	43	8.0	✓
44	+46°	747	3	15.4	+46	50	8.8	✓
45	+51°	621	2	33.9	+51	20	8.7	✓
46	+50°	623	2	35.4	+50	58	8.5	✓
47	+51°	628	2	<sup>37.0</sup> <del>36.8</del>	+51	<sup>31</sup> <del>36</del>	<sup>8.8</sup> <del>9.0</del>	✓
48	+52°	629	2	39.1	+52	25	8.3	✓
49	+52°	633	2	40.3	+52	21	8.7	✓
50	+51°	639	2	41.2	+51	50	8.3	✓
51	+51°	655	2	45.8	+51	6	8.7	✓
52	+50°	712	3	0.3	+50	55	8.7	✓
53	+49°	871	3	1.9	+49	42	8.3	✓
54	+49°	877	3	3.8	+49	50	8.7	✓

Monday, Nov. 23, 1914  
 738932

No	Int.	Class	Remark
✓ 55	3	G0	
✓ 56	1	K2	
✓ 57	3	G2	
✓ 58	2	K5	
✓ 59	5	G0	
✓ 60	2	F0	
✓ 61	3	K2	
✓ 62	2	G0	
✓ 63	2	K2	
✓ 64	2	A	
✓ 65	3	F8	
✓ 66	3	K0	
✓ 67	3	F8	
✓ 68	2	K0	
✓ 69	4	G0	
✓ 70	3	F8	
✓ 71	3	B9	
✓ 72	2	F8	
✓ 73	2	L5	
✓ 74	3	G0 E	
✓ 75	1	F8	
✓ 76	1	F5	
✓ 77	2	G0	
✓ 78	1	G2	
✓ 79	2	G3	
✓ 80	3	B	Perhaps B3 Lines indistinct
✓ 81	3	G5	

3:20

Tuesday, Nov. 24, 1914

10:07



55 +49°	875	3	3.7	+49	16	8.4✓
56 +48°	859	3	1.5	+48	43	9.2✓
57 +48°	860	3	2.3	+48	37	8.8✓
58 +50°	723	3	5.2	+50	23	8.5✓
59 +52°	672	3	5.1	+52	13	8.0✓
60 +51°	693	3	2.4	+51	58	9.1✓
61 +52°	665	3	1.6	+52	42	8.3✓
62 +51°	708	3	7.1	+51	11	9.2✓
63 +51°	709	3	7.3	+51	21	8.3✓
64 +52°	678	3	9.1	+52	8	8.7✓
65 +53°	643	3	8.9	+53	11	8.0✓
66 +53°	642	3	8.9	+53	36	7.5✓
67 +53°	651	3	12.0	+53	59	8.3✓
68 +52°	683	3	11.2	+52	57	8.5✓
69 +52°	690	3	15.1	+52	14	8.0✓
70 +51°	733	3	16.1	+51	13	8.0✓
71 +51°	726	3	13.0	+51	38	8.7✓
72 +51°	670	2	53.7	+51	56	9.0✓
73 +52°	658	2	55.6	+52	29	8.5✓
74 +53°	616	2	56.9	+53	55	8.5✓
75 +51°	683	2	58.7	+51	32	9.0✓
76 +50°	728	3	5.8	+50	53	8.9✓
77 +49°	910	3	12.3	+49	6	9.0✓
78 +49°	911	3	12.7	+49	11	9.0✓
79 +48°	865	3	4.2	+48	2	8.9✓
80 +47°	795	3	6.8	+47	36	8.8✓
81 +53°	583	2	42.5	+53	7	8.7✓

Tuesday, Nov. 24, 1914

938932

No	Int.	Class	Remark	
✓ 82	3	Qo		
✓ 83	2	Ma		
✓ 84	2	Go		
10112 ✓ 85	3	Fr		
86				
87				
88				
✓ 86	3	Fr	Another star, super on prev. side	25m 138898
✓ 87	2	As		17
✓ 88	3	Fr		75
✓ 89	2	Fr		78
✓ 90	3	Qo		79
✓ 91	3	As		82
✓ 92	3	As	a trace of 2 band seen?	84
93	5.2	Bq		
94	6	Qo		
95	8	Bq		
96	5	Qo		
97	4	Qo		
98	4	Qo		
99	3	Go		
100	2	Bq		
101	2	Qo		
102	4	Qo		
103	3	Qo		
104	0.7	Fr		



82	+50°	641	2	41.1	+50	12	8.6	✓
83	+51°	629	2	37.7	+51	43	8.5	✓
84	+49°	760	2	35.8	+49	59	9.0	✓
85	+49°	7.61	2	35.8	+49	35	8.4	✓
	+51	683	2	38.7	+51	32	9.0	✓

Identified on cards by Amc. Dec. 3, 1914

Identified in book by J.E.M. Dec. 15, 1914.

Identification compared by G.R.B. Dec. 17, 1914.

86	✓3	1.7	+47	31	8.7	(+47° 776)
87	+50°	682	2	51.9	+50	52 8.6
88	+49°	733	2	45.1	+47	4 8.9
89	+48°	790	2	43.9	+48	46 8.7
90	+49°	792	2	43.6	+49	12 8.7
91	+47°	717	2	42.1	+47	55 8.3
92	+48°	765	2	40.1	+48	12 7.8

~~Identified~~ Cards made out Mar. 5, 1915 Amc.

✓	93	+47°	786	3	4.0	+47	16	8.2	87	on I 37452
✓	94	+48°	862	3	3.0	+48	28	7.8	125	" "
✓	95	+49°	876	3	3.7	+49	2	7.4	124	" "
✓	96	+49°	895	3	7.4	+49	49	7.7	126	" "
✓	97	+48°	886	3	9.6	+48	7	7.5	130	" "
✓	98	+48°	888	3	11.0	+48	19	8.0	131	" "
✓	99	+48°	898	3	12.9	+48	6	8.0	106	" "
✓	100	+49	888	3	5.6	+49	20	8.3	34	I 38888
✓	101	+50	707	2	59.1	+50	1	8.3	66	" "
✓	102	+51°	694	3	2.4	+51	27	8.3	60	on I 38898
✓	103	+51	720	3	10.8	+51	3	8.3	81	" I 38087
✓	104	+49	770	2	37.1	+49	31	8.0	113	on I 38844

Tuesday, Nov. 24, 1914  
938897

	No	Int.	Class	Remark
10:13	✓ 1	10+	F8	
	✓ 2	1	F5	
	✓ 3	1	K2	
	✓ 4	2	G0	
	✓ 5	1	K0	
	✓ 6	2	A2	
	✓ 7	2	G5	
	✓ 8	3	G0	
	✓ 9	1	K2	
	✓ 10	1	A2	
	✓ 11	2	F8	
	✓ 12	2	K0	
	✓ 13	2	F5	
	✓ 14	1	K0	
	✓ 15	2	A2	
	✓ 16	2	A	
	✓ 17	3	G0	
	✓ 18	2	G0	
	✓ 19	1	K2	
	✓ 20	2	A2	
	✓ 21	2	G0	
	✓ 22	1	K0	
10:17	✓ 23	1	G0	
	24			

24 2

G0

25



1	+48°	746	2	34.3	+48	37	4.2	✓
2	<del>+50</del> <sup>+48°</sup>	737	2	32.5	+48	47	8.4	✓
3	+51°	615	2	32.0	+51	32	8.7	✓
4	+51°	616	2	32.3	+51	49	9.0	✓
5	+52°	612	2	31.4	+52	3	8.5	✓
6	+52°	611	2	31.3	+52	4	8.9	✓
7	+53°	532	2	20.0	+53	12	8.0	✓
8	+53°	531	2	19.3	+53	13	8.5	✓
9	+52°	587	2	19.8	+52	25	8.3	✓
10	+51°	582	2	19.6	+51	46	8.5	✓
11	+50°	567	2	20.5	+50	30	8.4	✓
12	+50°	564	2	20.1	+50	35	8.5	✓
13	+50°	555	2	18.3	+50	18	8.5	✓
14	+51°	574	2	16.7	+51	3	8.4	✓
15	+51°	575	2	16.9	+51	24	9.0	✓
16	+50°	540	2	13.6	+50	37	9.0	✓
17	+50°	538	2	13.3	+50	22	8.6	✓
18	+52°	571	2	11.7	+52	2	8.8	✓
19	+51°	549	2	11.4	+51	48	8.8	✓
20	+51°	535	2	7.7	+51	49	9.1	✓
21	+52°	526 <sup>5</sup>	2	0.6 <sup>4</sup>	+52	54 <sup>6</sup>	9.5 <sup>0</sup>	✓
22	+50°	469	2	1.7	+50	55	8.7	✓
23	+51°	515	2	1.7	+51	27	9.0	✓

Identified on Cards by Amc. Dec. 1, 1914

Identified in book by J.B.M. Dec. 14, 1914

Identification compared by B.R.B. Dec. 16, 1914

✓ 24 +50° 541 2 14.1 +50 14 8.57 on I 38873

Tuesday, Nov. 23, 1914

938940 Long

	No	Int.	Class	Remark
11:29	✓ 1	1	A	
	✓ 2	1	A	
	✓ 3	6	A <sub>2</sub>	
	✓ 4	2	B <sub>9</sub>	
	✓ 5	5	B <sub>8</sub>	
	✓ 6	6	B <sub>8</sub>	Another star sup. on following side
	✓ 7	1	A <sub>2</sub>	" " " preceding "
	✓ 8	1	K <sub>0</sub>	
	✓ 9	2	A <sub>0</sub>	
	✓ 10	2	K <sub>2</sub>	
	✓ 11	2	A <sub>0</sub>	
	✓ 12	3	A <sub>0</sub>	
	✓ 13	2	A <sub>0</sub>	
	✓ 14	2	B <sub>9</sub>	
	✓ 15	1	K <sub>2</sub>	
	✓ 16	1	K <sub>0</sub>	
	✓ 17	2	A <sub>0</sub>	Another star sup. at north
	✓ 18	2	A <sub>0</sub>	
	✓ 19	2	F <sub>8</sub>	
	✓ 20	2	K <sub>2</sub>	
	✓ 21	1	K <sub>5</sub>	
	✓ 22	3	A <sub>2</sub>	
	✓ 23	2	A <sub>3</sub>	
	✓ 24	1	K <sub>5</sub>	
	✓ 25	1	A	
	✓ 26	2	G <sub>0</sub>	
	✓ 27	3	B <sub>9</sub>	



1	+41°	1046	4	54.1	+41	24	8.8✓
2	+41°	1051	4	54.9	+41	5	8.8✓
3	+41°	1050	4	54.8	+41	40	8.0✓
4	+42°	1182	4	59.3	+42	57	8.8✓
5	+44°	1126	5	2.1	+44	15	7.5✓
6	+44°	1128	5	2.6	+44	23	7.0✓+44° 1129 1130 sup. 9.0
7	+44°	1141	5	4.4	+44	18	9.2✓+44° 1140 sup. 9.4
8	+44°	1143	5	4.7	+44	31	8.5✓
9	+44°	1156	5	6.7	+44	52	9.0✓
10	+45°	1081	5	6.8	+45	13	8.4✓
11	+44°	1158	5	7.5	+44	39	8.6✓
12	+44°	1167	5	8.7	+44	30	8.5✓
13	+44°	1165	5	8.6	+44	51	8.5✓
14	+44°	1171	5	9.6	+44	29	8.7✓
15	+43°	1240	5	8.2	+43	58	8.4✓
16	+43°	1258	5	13.6	+43	49	8.5✓
17	+43°	1259	5	13.9	+43	45	8.8✓+43° 1261 sup. 8.5
18	+43°	1264	5	15.1	+43	41	8.8✓
19	+43°	1266	5	16.0	+43	49	8.8✓
20	+44°	1203	5	17.3	+44	2	7.8✓
21	+43°	1265	5	15.5	+43	6	8.3✓
22	+42°	1291	5	17.6	+42	13	8.2✓
23	+42°	1300	5	19.0	+42	6	8.5✓
24	+43°	1279	5	19.9	+43	15	8.6✓
25	+43°	1282	5	20.2	+43	5	9.2✓
26	+42°	1308	5	20.7	+42	48	8.3✓
27	+43°	1290	5	21.5	+43	20	9.0✓

Tuesday, Nov. 23<sup>4</sup>, 1914

938940

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



28	+43°	1293	5	22.2	+43	36	8.5	✓
29	+43°	1294	5	22.6	+43	40	8.8	✓
30	+44°	1233	5	23.3	+44	8	9.0	✓
31	+44°	1237	5	24.3	+44	39	8.9	✓
32	+44°	1239	5	24.8	+44	50	8.5	✓
33	+44°	1246	5	25.6	+44	39	8.0	✓
34	+45°	1144	5	25.0	+45	23	8.0	✓
35	+46°	1031	5	27.3	+46	6	8.7	✓
36	+46°	1025	5	23.3	+46	5	8.7	✓
37	+45°	1133	5	22.5	+45	37	8.3	✓
38	+45°	1132	5	22.0	+45	23	7.5	✓
39	+45°	1134	5	22.6	+45	7	8.2	✓
40	+45°	1129	5	20.9	+45	22	8.9	✓
41	+46°	1022	5	21.6	+46	2	9.0	✓
42	+45°	1126	5	19.5	+45	41	7.5	✓
43	+44°	1215	5	19.2	+44	41	8.8	✓
44	+44°	1217	5	20.1	+44	37	8.8	✓
45	+44°	1221	5	20.8	+44	18	9.2	✓
46	+44°	1223	5	21.3	+44	20	9.1	✓
47	+45°	1124	5	18.4	+45	57	9.3	✓
48	+45°	1115	5	14.7	+45	5	8.3	✓
49	+45°	1113	5	13.9	+45	18	9.0	✓
50	+45°	1108	5	12.5	+45	29	8.9	✓
51	+45°	1106	5	11.7	+45	41	9.3	✓
52	+45°	1102	5	10.9	+45	58	9.0	✓
53	+46°	999	5	11.1	+46	33	8.4	✓
54	+46°	1000	5	11.3	+46	33	9.0	✓

Tuesday, Nov. 24, 1914  
938940

No	Int.	Class	Remark
✓ 55	1	K5	
✓ 56	3	G5	
✓ 57	5	G0	
✓ 58	4	G5	
✓ 59	4	G2	
✓ 60	3	K5	
✓ 61	2	A	
✓ 62	5	B5	Image hazy, Perhaps due to bright star near
✓ 63	4	B9	
✓ 64	2	G5	
✓ 65	4	G0	
✓ 66	4	F5	
✓ 67	7	G0	
✓ 68	3	G3	Partly sup. on 69
✓ 69	2	G0	
✓ 70	3	G0	
✓ 71	3	F0	
✓ 72	1	A	
✓ 73	3	G0	
✓ 74	2	A	
✓ 75	1	G5	
✓ 76	1	G2	
✓ 77	1	K0	
✓ 78	1	K0	
✓ 79	2	F8	
✓ 80	5	F0	
✓ 81	4	G2	



55	+46°	1008	5	12.6	+46	39	8.3 ✓
56	+46°	1006	5	12.2	+46	50	8.4 ✓
57	+47°	1126	5	8.0	+47	5	8.0 ✓
58	+46°	993	5	7.6	+46	53	8.0 ✓
59	+47°	1124	5	7.7	+47	10	8.2 ✓
60	+45°	1084	5	7.1	+45	58	7.8 ✓
61	+45°	1080	5	6.7	+45	58	9.0 ✓
62	+46°	989	5	5.7	+46	15	7.1 ✓
63	+46°	985	5	4.8	+46	14	7.7 ✓
64	+46°	981	5	3.9	+46	13	8.7 ✓
65	+46°	977	5	2.4	+46	40	8.3 ✓
66	+46°	973	5	1.5	+46	15	8.7 ✓
67	+46°	972	5	0.9	+46	45	8.0 ✓
68	+45°	1063	5	1.6	+45	24	8.8 ✓
69	+45°	1064	5	1.6	+45	34	8.3 ✓
70	+45°	1067	5	2.4	+45	31	8.7 ✓
71	+45°	1070	5	3.0	+45	23	8.9 ✓
72	+45°	1049	4	58.9	+45	25	9.2 ✓
73	+46°	962	<del>3</del> <sup>4</sup>	56.7	+46	17	8.6 ✓
74	+45°	1036	4	55.7	+45	51	9.3 ✓
75	+43°	1225	5	3.7	+43	44	8.8 ✓
76	+4 <del>3</del> <sup>3</sup> °	1222	<del>4</del> <sup>5</sup>	2.9	+43	21	9.1 ✓
77	+43°	1228	5	4.7	+43	39	8.8 ✓
78	+43°	1234	5	6.7	+43	15	8.8 ✓
79	+42°	1220	5	5.0	+42	45	8.8 <sup>5</sup> ✓
80	+42°	1228	5	6.2	+42	29	7.9 ✓
81	+41°	1127	5	5.3	+41	41	8.1 ✓

Tuesday, Nov. 24, 1914  
9 38940

No	Int.	Class	Remark
✓ 82	5	G <sub>0</sub>	
✓ 83	2	G <sub>2</sub>	
✓ 84	3	G <sub>0</sub>	
✓ 85	4	G <sub>2</sub>	
✓ 86	2	F <sub>0</sub>	
✓ 87	2	G <sub>0</sub>	
✓ 88	3	K <sub>0</sub>	
✓ 89	2	G <sub>0</sub>	
✓ 90	3	G <sub>0</sub>	
✓ 91	3	G <sub>0</sub>	
✓ 92	4	B <sub>9</sub>	
✓ 93	3	B <sub>9</sub>	
✓ 94	3	K <sub>0</sub>	
✓ 95	2	G <sub>0</sub>	
✓ 96	2	F <sub>8</sub>	
✓ 97	2	G <sub>0</sub>	
✓ 98	2	A <sub>5</sub>	Another star sup. at north
✓ 99	2	F <sub>8</sub>	
✓ 100	3	G <sub>2</sub>	
✓ 101	2	F <sub>8</sub>	
✓ 102	2	G <sub>2</sub>	
✓ 103	2	F <sub>15</sub>	
✓ 104	4	G <sub>5</sub>	
✓ 105	3	G <sub>0</sub>	
✓ 106	3	K <sub>2</sub>	
✓ 107	1	K <sub>0</sub>	
✓ 108	1	G <sub>0</sub>	



82	+41°	1102	5	1.7	+41	19	8.0	✓ +41° 1103 sup. 9.0
83	+40°	1231	5	7.2	+40	38	8.9	✓
84	+40°	1247	5	9.3	+40	53	8.5	✓
85	+41°	1152	5	9.5	+41	3	8.1	✓ +41° 1154 sup. 8.7
86	+41°	1138	5	7.5	+41	38	8.5	✓
87	+41°	1158	5	10.3	+41	16	8.4	✓
88	+44 <sup>20</sup>	<del>1256</del> 1268	5	10.8	+44 <sup>2</sup>	13	7.4	✓
89	+44 <sup>30</sup>	<del>1258</del> 1268	5	11.7	+44 <sup>2</sup>	34	9.0	✓
90	+43 <sup>20</sup>	1264	5	12.3	+43 <sup>2</sup>	30	8.8	✓
91	+41°	1175	5	13.4	+41	27	8.7	✓
92	+42°	1312	5	21.6	+42	23	8.0	✓
93	+42°	1323	5	22.4	+42	51	8.3	✓
94	+43°	1314	5	26.8	+43	32	8.2	✓
95	+42°	1354	5	28.0	+42	55	8.4	✓
96	+42°	1337	5	25.0	+42	12	8.7	✓
97	+42°	1333	5	23.8	+42	17	9.0	✓
98	+44°	1253	5	27.5	+44	29	8.8	✓ +44° 1254 sup. 8.9
99	+44°	1268	5	32.1	+44	33	8.4	✓
100	+45°	1170	5	36.3	+45	42	8.0	✓
101	+46°	1035	5	30.2	+46	1	8.7	✓
102	+47°	1179	5	25.6	+47	3	9.0	✓
103	+46°	1026	5	24.3	+46	4	8.4	✓
104	+48°	1283	5	22.7	+48	12	7.5	✓
105	+47°	1160	5	18.7	+47	30	8.6	✓
106	+47°	1152	5	16.6	+47	12	8.0	✓
107	+46°	1015	5	15.4	+46	41	8.0	✓
108	+47°	1145	5	13.4	+47	43	8.8	✓

Tuesday, Nov. 24, 1914  
938940

No. gnt. Class Remark

✓ 109 1. B9

✓ 110 2. B5

✓ 111 3. B5

11:53 ✓ 112 2. B0

~~12:45~~ 113 7. Comp. Bm = F0, H = A

~~114~~  
11

Sat. May 30, 1916

114 2. A2

115 2. A0 Partly sup. on 114

116 3. A0

117 2. A0

118 3. A0

119 3. A0

120 2. A0

121 4. { F8  
A0 } Sp. comp.

122 6. { F5



109	+47°	1142	5	13.0	+47	49	9.0	✓
110	+48°	1264	5	13.6	+48	14	8.2	✓
111	+48°	1256	5	11.0	+48	36	8.6	✓
112	+49°	1358	5	18.2	+49	3	7.8	✓
113	+46°	998	5	9.8	+46	49	7.0	✓

Ident. on cards by Amc. Dec. 4, 1914

Identified in book by J. L. M. Dec. 10, 1914.

Identification confirmed by G. R. B. Dec. 12, 1914

✓	114	+42°	1274	5	14.0	+42	28	8.0	} 51 m 737391
✓	115	+42°	1273	5	14.0	+42	28	8.5	
✓	116	+42°	1305	5	19.6	+42	6	9.0	46 " "
✓	117	+41°	1226	5	25.2	+41	26	8.5	41 " "
✓	118	+41°	1227	5	25.5	+41	12	8.3	40 " "
✓	119	+41°	1230	5	26.7	+41	10	8.3	39 " "
✓	120	+41°	1233	5	27.1	+41	56	9.0	37 " "
✓	121	+43	1315	5	26.8	+43	59	7.3	132 " "
✓	122	+46	970	4	58.9	+46	47	6.0	113 " "

Tuesday, Nov. 24, 1914  
938935

	No	Int.	Class	Remark
12:45	✓	1 1	F8	
	✓	2 1	A	
	✓	3 1	K0	
	✓	4 2	A2	
	✓	5 3	A0	
	✓	6 3	A0	
	✓	7 2	A0	
	✓	8 2	F5	
	✓	9 2	A	
	✓	10 2	K0	
	✓	11 4	B9	
	✓	12 2	K0	
	✓	13 1	K0	
	✓	14 1	F8	
	✓	15 1	A2	
	✓	16 5	B5	
	✓	17 2	A0	
	✓	18 2	F8	
	✓	19 3	F8	
	✓	20 3	A0	
	✓	21 1	K5	
	✓	22 2	A2	
	✓	23 2	A5	
	✓	24 1	K0	
	✓	25 1	K2	
	✓	26 2	A2	Sines broad
	✓	27 2	K2	



1	+44°	1275	5	34.1	+44	46	8.5✓
2	+44°	1276	5	34.6	+44	38	9.0✓
3	+44°	1296	5	40.3	+44	54	8.5✓
4	+45°	1183	5	41.0	+45	15	8.5✓
5	+45°	1194	5	44.1	+45	18	8.5✓
6	+44°	1306	5	42.9	+44	15	8.3✓
7							
8	+43°	1373	5	42.2	+43	54	8.6✓
8	+42°	1415	5	40.2	+42	56	8.5✓
9							
10	+42°	1418	5	41.0	+42	3	8.5✓
10	+43°	1392	5	47.6	+43	11	8.2✓
1		1404					
12	+43°	1394	5	49.8	+43	10	7.8✓
2		1404					
13	+44°	1329	5	49.0	+44	6	7.7✓
3							
14	+43°	1402	5	49.2	+43	58	7.9✓
4							
15	+45°	1224	5	50.3	+45	9	7.7✓
5							
16	+45°	1221	5	49.8	+45	32	8.8✓
6							
17	+46°	1075	5	48.7	+46	30	7.0✓
7							
18	+46°	1087	5	52.4	+46	35	9.2✓
8							
19	+46°	1090	5	53.5	+46	52	8.4✓
19							
20	+47°	1242	5	53.9	+47	6	8.1✓
20	+45°	1239	5	54.7	+45	50	8.5✓
22	+45°	1237	5	54.4	+45	29	8.0✓
22							
23	+45°	1241	5	55.5	+45	51	9.0✓
3							
24	+46°	1095	5	55.4	+46	8	8.8✓
4							
25	+46°	1099	5	57.2	+46	40	8.2✓
5							
26	+46°	1101	5	58.2	+46	10	9.0✓
6							
27	+47°	1252	5	58.3	+47	41	8.8✓
27	+47°	1267	6	2.4	+47	18	8.5✓

Tuesday, Nov. 24, 1914  
938935

No	Int.	Class	Remark
✓ 28	3	A <sub>0</sub>	E
✓ 29	6	A <sub>2</sub>	
✓ 30	2	A <sub>0</sub>	
✓ 31	3	A <sub>0</sub>	
✓ 32	1	A <sub>5</sub>	Another star sup. following
✓ 33	1	A <sub>5</sub>	
✓ 34	3	A <sub>0</sub>	
✓ 35	2	A <sub>0</sub>	
✓ 36	1	K <sub>0</sub>	
✓ 37	2	A <sub>0</sub>	
12:54 ✓ 38	1	K <sub>0</sub>	
39			
40			
41			
42			
39	4	A <sub>0</sub>	

cont. 133, 68



28	+45°	1270	6	4.9	+45	38	8.0	✓
29	+49°	1474	6	6.2	+49	32	7.5	✓
30	+48°	1346	5	57.0	+48	43	8.3	✓
31	+48°	1331	5	49.3	+48	52	8.6	✓
32	+47°	1199	5	39.6	+47	0	9.0	+47° 1201 sup. 8.7
33	+42°	1387	5	35.2	+42	47	8.0	✓
34	+41°	1338	5	52.8	+41	58	8.1	✓
35	+42°	1488	5	57.8	+42	52	8.4	✓
36	+44°	1374	5	58.8	+44	40	8.5	✓
37	+42°	1469	5	52.2	+42	52	8.3	✓
38	+45°	1259	6	1.6	+45	5	7.9	✓

Identified on cards by Ame. Dec. 2, 1914  
 Identified in book by J.B.M. Dec. 14, 1914  
 Identification confirmed by G.R.B. Dec. 17, 1914

✓ 39 +46° 1074 5 48.5 +46 54 7.9 116 on S37391

Saturday, Nov. 28, 1914

T38921

	No	Inst.	Class	Remark
10:22	✓ 1	1	K <sub>2</sub>	
	✓ 2	1	K <sub>0</sub>	
	✓ 3	2	F <sub>8</sub>	
	✓ 4	2	G <sub>5</sub>	
	✓ 5	1	G <sub>5</sub>	
	✓ 6	2	K <sub>0</sub>	
	✓ 7	2	F <sub>5</sub>	
	✓ 8	3	A <sub>2</sub>	
	✓ 9	2	G <sub>5</sub>	
	✓ 10	5	B <sub>9</sub>	
	✓ 11	2	K <sub>0</sub>	
	✓ 12	2	F <sub>8</sub>	
	✓ 13	1	K <sub>2</sub>	
	✓ 14	1	K <sub>2</sub>	
	✓ 15	9	B <sub>9</sub>	
	✓ 16	2	K <sub>0</sub>	Nearly all sup. on 15. It. star class A partly sup.
	✓ 17	2	B <sub>9</sub>	Another star sup. on preced. side
	✓ 18	3	F <sub>5</sub>	
	✓ 19	2	K <sub>0</sub>	
	✓ 20	4	B <sub>9</sub>	Another star sup. on preced. side
	✓ 21	1	K <sub>0</sub>	
	✓ 22	1	G <sub>5</sub>	
	✓ 23	3	B <sub>8</sub>	
	✓ 24	2	G <sub>0</sub>	
	✓ 25	3	G <sub>0</sub>	Another star sup. s. f.
	✓ 26	1	K <sub>2</sub>	
	✓ 27	2	A	



1 +26°	<sup>731</sup> 787	<sup>5</sup> 4	<sup>0.3</sup> 58.1	<sup>7</sup> +26	<sup>6</sup> 48	<sup>9.0</sup> 8.3 ✓
2 +27°	737	<sup>5</sup> 4	3.5	+27	25	8.8 ✓
3 +27°	738	5	3.9	+27	36	9.1 ✓
4 +28°	761	5	4.8	+28	3	8.8 ✓
5 +28°	766	5	7.1	+28	9	8.8 ✓
6 +28°	769	5	7.4	+28	1	8.3 ✓
7 +27°	746	5	8.2	+27	36	8.6 ✓
8 +27°	750	5	9.6	+27	55	8.3 ✓
9 +28°	779	5	11.6	+28	44	8.4 ✓
10 +29°	876	5	13.8	+29	34	7.5 ✓
11 +28°	785	5	13.8	+28	57	8.0 ✓
12 +28°	783	5	13.6	+28	38	8.6 ✓
13 +29°	878	5	14.4	+29	32	8.5 ✓
14 +30°	876	5	15.3	+30	27	8.5 ✓
15 +31°	<sup>55</sup> 939	5	<sup>15.3</sup> <del>12.8</del>	+31	<sup>0</sup> <del>13</del>	<sup>6.4</sup> <del>7.5</del> ✓
16 +31°	954	5	15.3	+31	5	6.6 ✓
17 +31°	948	5	13.8	+31	0	8.5 +31° 947 sup. 9.0
18 +31°	939	5	12.8	+31	13	7.5 ✓
19 +32°	949	5	11.2	+32	8	8.2 ✓
20 +32°	966	5	14.6	+32	29	8.2 +32° 965 sup. 9.2
21 +32°	973	5	15.3	+32	34	8.8 ✓
22 +32°	974	5	15.4	+32	42	8.8 ✓
23 +30°	882	5	16.0	+30	2	8.5 ✓
24 +30°	888	5	16.5	+30	13	8.5 ✓
25 +30°	885	5	16.3	+30	34	9.0 +30° 887 sup. 9.0
26 +30°	894	5	17.5	+30	20	8.5 ✓
27 +30°	897	5	17.6	+30	10	9.0 ✓

Saturday, Nov. 28, 1914  
9 38921

No	Yr	Class	Remark
✓ 28	2	K5	
✓ 29	2	K0	
✓ 30	3	A0	
✓ 31	1	K0	
32	1	A2	
✓ 33	1	G0	
✓ 34	1	K0	
✓ 35	2	K2	
✓ 36	1	G5	
✓ 37	1	F0	
✓ 38	1	G5	
✓ 39	2	F2	
✓ 40	5	B8	
✓ 41	2	K0	
✓ 42	9	A0	E
✓ 43	3	A0	
✓ 44	5	K0	E
✓ 45	5	A0	E
✓ 46	3	A0	E
✓ 47	7	A3	
✓ 48	1	F2	
✓ 49	4	A5	
✓ 50	4	F8	
✓ 51	3	F5	
✓ 52	1	A2	
✓ 53	2	B9	
✓ 54	2	A0	



28	+29°	897	5	17.9	+29	47	8.0	✓
29	+30°	906	5	18.9	+30	31	8.3	✓
30	+31°	989	5	20.9	+31	41	7.7	✓
31	+30°	912	5	20.5	+30	28	8.5	✓
32	+30°	913	5	20.8	+30	20	8.7	✓
33	+30°	917	5	21.4	+30	55	8.6	✓
34	+31°	998	5	22.2	+31	24	8.3	✓
35	+31°	1001	5	23.3	+31	55	7.6	✓
36	+29°	921	5	22.6	+29	20	8.5	✓
37	+28°	813	5	22.7	+28	54	8.6	✓
38	<sup>29</sup> + <del>28</del> °	924	5	23.3	<sup>29</sup> + <del>28</del>	18	8.6	✓
39	+28°	818	5	23.8	+28	14	8.5	✓
40	+26°	835	5	23.4	+26	52	7.3	✓
41	<sup>7</sup> +26°	791	5	24.8	<sup>7</sup> +26	4	8.0	✓
42	+25°	839	5	20.3	+25	2	5.5	✓
43	+25°	866	5	26.3	+25	44	7.7	✓
44	+30°	772	<sup>4</sup> <del>5</del>	55.0	+30	18	6.5	✓
45	+31°	845	<sup>4</sup> <del>5</del>	52.4	+31	34	7.0	✓
46	+32°	876	<sup>4</sup> <del>5</del>	54.5	+32	10	8.3	✓
47	+32°	879	<sup>4</sup> <del>5</del>	55.2	+32	7	6.6	✓
48	+32°	898	5	0.0	+32	14	8.4	✓
	+31°	867	5	0.7	+31	45	7.8	✓
49	+26°	<del>835</del>	<del>5</del>	<del>23.4</del>	<del>+26</del>	<del>52</del>	<del>7.3</del>	
50	+30°	<sup>3</sup> 804	5	<sup>0</sup> 1.3	+30	<sup>23</sup> <del>36</del>	<sup>8</sup> 7.0	✓
51	+29°	829	5	1.9	+29	36	8.4	✓
52	+29°	835	5	3.6	+29	10	9.0	✓
53	+29°	837	5	4.1	+29	48	8.9	✓
54	+30°	844	5	7.5	+30	13	9.0	✓

Saturday, Nov. 28, 1914

938921

No	Int.	Class	Remark
✓ 55	1	G5	Another star sup. at south
✓ 56	1	G5	
57	2	G2	
✓ 58	2	G2	Other stars sup. at violet end.
✓ 59	3	F0	
✓ 60	2	K5	
✓ 61	3	A0	
✓ 62	2	A0	
✓ 63	1	K2	
✓ 64	3	A0	
✓ 65	2	A0	
✓ 66	4	B9	
✓ 67	2	K2	
✓ 68	8	A2	
✓ 69	2	A0 E	
✓ 70	3	G5	
✓ 71	3	F8 E	
✓ 72	2	G5 E	
✓ 73	2	A	
✓ 74	2	F8 E	
10:43 ✓ 75	2	F8 E	
12:41 ✓ 76	3	A0 E	
✓ 77	2	B8	Other stars partly sup. Difficult
✓ 78	4	A0	
12:45 ✓ 79	4	B9	
80			
81			

emb. 132, 112



55	+30°	851	5	9.2	+30	14	8.7	+30° 850 sup. 9.1 8.7
56	+29°	847	5	6.6	+29	18	8.8	✓
57	+30°	854	5	10.0	+30	51	8.8	✓
58	+30°	860	5	10.7	+30	21	9.0	+30° 858 sup. 9.5 8.59 9.4
59	+31°	910	5	7.6	+31	22	8.2	✓
60	+31°	914	5	8.1	+31	40	8.0	✓
61	+31°	905	5	6.7	+31	38	8.3	✓
62	+31°	894	5	5.2	+31	32	8.5	✓
63	+31°	888	5	4.6	+31	24	8.7	✓
64	+32°	914	5	4.9	+32	55	8.8	✓
65	+32°	931	5	7.0	+33	0	8.8	✓
66	+33°	1003	5	9.0	+33	0	8.2	✓
67	+34°	1004	5	11.3	+34	7	7.9	✓
68	+34°	1083	5	24.0	+34	37	6.4	✓
69	+34°	1088	5	24.6	+34	32	8.5	✓
70	+30°	949	5	27.1	+30	29	8.2	✓
71	+32°	1059	5	29.2	+32	23	7.7	✓
72	+32°	1058	5	29.2	+32	35	8.0	✓
73	+32°	1048	5	26.9	+32	14	8.7	✓
74	+31°	1040	5	30.5	+31	8	8.1	✓
75	+30°	970	5	30.7	+30	0	8.2	✓
76	+34°	1123	5	28.8	+34	5	8.3	✓
77	+33°	1052	5	18.3	+33	21	8.7	not cat. stars sup.
78	+33°	1083	5	24.4	+33	18	8.3	✓
79	+29°	893	5	17.0	+29	51	8.0	✓

Identified on cards by Amc. Dec. 1, 1914

Identified in book by J.B.M. Dec. 16, 1914

Identification compared by S.R.B. Dec. 18, 1914

Monday, Nov. 30, 1914

938959

	No	Int.	Class	Remark
12135	✓ 1	3	A <sub>0</sub>	
	✓ 2	2	A <sub>0</sub>	
	✓ 3	1	A <sub>5</sub>	
	✓ 4	3	A <sub>3</sub>	
	✓ 5	2	A <sub>2</sub>	
	✓ 6	1	K <sub>0</sub>	
	✓ 7	2	A <sub>5</sub>	
	✓ 8	10 <sup>+</sup>	Comp.	Br. = F <sub>5</sub> , It. = A <sub>2</sub>
	✓ 9	10	B <sub>9</sub>	
	✓ 10	7	B <sub>5</sub>	
	✓ 11	5	A <sub>2</sub>	
	✓ 12	6	B <sub>5</sub>	
	✓ 13	2	F <sub>8</sub>	
	✓ 14	2	A <sub>0</sub>	
	✓ 15	4	F <sub>5</sub>	
	✓ 16	4	A <sub>0</sub>	
	✓ 17	4	F <sub>8</sub>	
	✓ 18	4	A <sub>0</sub> E	
	✓ 19	2	A <sub>2</sub>	
	✓ 20	2	F <sub>8</sub>	
	✓ 21	3	A <sub>2</sub>	
	✓ 22	2	F <sub>5</sub>	
	✓ 23	2	F <sub>5</sub>	
	✓ 24	3	F <sub>5</sub>	
	✓ 25	2	A <sub>2</sub>	
	✓ 26	2	K <sub>0</sub>	Another star sup. on following
	✓ 27	2	A <sub>0</sub>	



1	+53° 594	2	47.0 +53	46	8.3	✓
2	+53° 595	2	47.4 +53	49	8.5	✓
3	+53° 598	2	48.3 +53	42	8.6	✓
4	+53° 599	2	48.7 +53	47	8.5	✓
5	+53° 601	2	49.2 +53	45	8.5	✓
6	+54° 630	2	49.5 +54	4	8.5	✓
7	+53° 607	2	52.2 +53	42	8.5	✓
8	+52° 654	2	54.3 +52	56	3.2	✓
9	+51° 665	2	50.6 +51	47	5.7	✓
10	+51° 682	2	57.7 +51	39	6.8	✓
11	+50° 706	2	58.2 +50	26	7.0	✓
12	+51° 689	<sup>3</sup> 2	1.3 +51	38	7.3	✓
13	+53° 639	<sup>3</sup> 2	7.2 +53	20	8.5	✓
14	+52° 678	3	9.1 +52	8	8.7	✓
15	+52° 685	3	11.3 +52	6	7.5	✓
16	+51° 728	3	13.2 +51	14	7.8	✓
17	+50° 755	<sup>3</sup> 2	15.5 +50	54	7.6	✓ +50 756 2 15.6 +50 51 9.0 <sup>super</sup>
18	+50° 757	<sup>3</sup> 2	16.2 +50	20	7.5	✓ +50 758 2 16.3 +50 20 9.0 <sup>super</sup>
19	+52° 702	3	22.6 +52	27	8.7	✓
20	+53° 663	3	18.0 +53	41	8.7	✓
21	+54° 683	3	18.2 +54	2	8.1	✓
22	+53° 666	3	19.5 +53	47	8.7	✓
23	+52° 697	3	18.6 +52	51	8.6	✓
24	+54° 689	3	21.6 +54	41	8.7	✓
25	+55° 793	3	19.8 +55	27	9.2	✓
26	+55° 798	3	22.7 +55	49	8.5	✓ +53° 800 3 22.8 +55 52 9.5
27	+55° 799	3	22.7 +55	<sup>36</sup> 38	8.3	✓

Monday, Nov. 30, 1914  
938959

No	Int.	Class	Remark
✓ 28	7	B <sub>2</sub>	
✓ 29	4	A <sub>2</sub>	Another star sup. at south
✓ 30	4	B	Lines very wide, Double?
✓ 31	5	A <sub>0</sub>	
✓ 32	2	F <sub>8</sub>	
✓ 33	2	A	Lines indistinct
✓ 34	3	A <sub>2</sub>	E
✓ 35	3	F <sub>5</sub>	E
✓ 36	3	A <sub>0</sub>	
✓ 37	3	A <sub>2</sub>	
✓ 38	4	B <sub>9</sub>	
✓ 39	5	B <sub>9</sub>	Another star sup. on preceding
✓ 40	1	A <sub>5</sub>	
✓ 41	3	F <sub>0</sub>	
✓ 42	1	A <sub>2</sub>	
✓ 43	2	K <sub>0</sub>	
✓ 44	2	A <sub>0</sub>	
✓ 45	2	K <sub>0</sub>	
✓ 46	4	B <sub>9</sub>	
✓ 47	2	K <sub>0</sub>	
✓ 48	2	A <sub>2</sub>	
✓ 49	3	F <sub>5</sub>	
✓ 50	2	K <sub>0</sub>	
✓ 51	2	F <sub>5</sub>	
✓ 52	2	F <sub>8</sub>	
✓ 53	3	G <sub>0</sub>	
✓ 54	2	K <sub>2</sub>	



28	+56° 824	3	26.4 +56	14	6.6	✓
29	+55° 805	3	28.7 +55	21	8.2	✓
30	+54° 698	3	26.9 +54	41	8.3	✓
31	+56° 835	3	31.1 +56	0	8.5	✓
32	+55° 821	3	34.8 +55	54	8.41	✓
33	+55° 816	3	31.7 +55	4	8.9	✓
34	+54° 711	3	36.8 +54	26	8.5	✓
35	+57° 747	3	36.8 +57	19	8.4	✓
36	+55° 722	2	44.8 +55	27	8.5	✓
37	+55° 723	2	45.2 +55	54	8.5 <sup>4</sup>	✓
38	+55° 726	2	45.9 +55	85	8.0	✓
39	+55° 730	2	47.4 +55	17	8.2	✓
40	+55° 737	2	50.9 +55	26	8.7	✓
41	+57° 683	2	53.6 +57	0	8.7	✓
42	+57° 685	2	54.6 +57	9	8.7	✓
43	+56° 773	2	55.7 +56	54	8.0	✓
44	+56° 772	2	55.4 +56	19	8.6	✓
45	+56° 779	2	57.6 +56	5	8.0	✓
46	+55° 741	2	57.4 +55	4	8.0	✓
47	+55° 740	2	57.3 +55	4	9.4	✓
48	+55° 744	2	58.2 +55	30	8.0	✓
49	+55° 743	2	59.4 +55	40	8.4	✓
50	+56° 785	2	59.6 +56	4	8.41	✓
51	+56° 787	3	0.5 +56	51	8.5	✓
52	+55° 737	3	41.0 +55	43	8.5	✓
53	+55° 753	3	2.9 +55	18	8.5	✓
54	+55° 747	3	0.2 +55	11	8.2	✓
55	+54° 628	3	2.0 +54	47	8.0	✓
56	+55° 740	3	2.0 +55	47	8.0	✓

+55° 804 3 28.7 +55 17 8.5 <sup>Super.</sup>

Monday, Nov 30, 1914

938959

No	Int.	Class	Remark
✓	55 4	B9	
✓	56 3	A0	
✓	57 2	A0	
✓	58 5	K0	
✓	59 1	G5	
✓	60 3	B8	
✓	61 5	A0	
✓	62 2	K5	
✓	63 3	A2	
✓	64 3	A2	
✓	65 2	G5	
✓	66 2	A2	
✓	67 1	A0	
✓	68 2	A2	
✓	69 3	G5	
✓	70 3	F8	
✓	71 6	B9	
✓	72 3	A0	
✓	73 1	K2	
✓	74 2	G0	
✓	75 3	B9	
✓	76 3	K0	
✓	77 1	K0	
✓	78 2	G0	
✓	79 2	G5	
✓	80 3	A0	
✓	81 1	A5	



55	+53° 615	2	56.9 +53	32	8.0	✓
56	+54° 637	3	5.2 +54	46	8.7	✓
57	+54° 664	3	8.1 +54	52	8.4	✓
58	+55° 766	3	9.5 +55	0	7.2	✓
59	+54° 652	3	3.3 +54	12	8.7	✓
60	+55° 770	3	11.2 +55	3	8.5	✓
61	+55° 776	3	12.4 +55	36	8.2	✓
62	+55° 785	3	15.2 +55	38	7.8	✓
63	+54° 682	3	17.0 +54	40	8.6	✓
64	+54° 679	3	14.4 +54	9	8.4	✓
65	+54° 674	3	12.9 +54	4	8.5	✓
66	+53° 652	3	13.0 +53	44	8.7	✓
67	+53° 656	3	14.0 +53	34	8.7	✓
68	+56° 808	3	13.1 +56	10	9.0	✓
69	+56° 812	3	15.3 +56	54	8.4	✓
70	+57° 724	3	15.5 +57	46	8.5	✓
71	+58° 602	3	15.9 +58	41	7.8	✓
72	+59° 656	3	16.4 +59	6	8.5	✓
73	+58° 628	3	25.8 +58	11	9.0	✓
74	+58° <sup>633</sup> 632	3	27.9 +58	<sup>54</sup> 58	<sup>7.8</sup> 7.1	✓
75	+58° 523	2	42.3 +58	9	8.0	✓
76	+57° 665	2	45.5 +57	20	8.0	✓
77	+58° 528	2	44.7 +58	1	8.5	✓
78	+58° 535	2	45.9 +58	0	8.8	✓
79	+57° 666	2	46.2 +57	46	8.4	✓
80	<sup>59</sup> +56° 669	2	48.2 +57	11	8.9	✓
81	+56° 759	2	49.9 +56	25	9.2	✓

Monday, Nov. 30, 1914

938959

No	Int.	Class	Remark
✓	82 2	A3	
✓	83 3	A2	
✓	84 4	A2	Partly sup. on 85
✓	85 6	A0	
✓	86 3	Ly5	
✓	87 1	K0	
✓	88 3	A0	
✓	89 4	B9	
✓	90 3	B5	
✓	91 3	A2	
✓	92 3	B9	
✓	93 2	Ly5	
✓	94 2	A2	
✓	95 1	A0	
✓	96 2	F8	
✓	97 3	K0	
✓	98 2	K0	
✓	99 3	B8 E	
✓	100 5	B5 E	
✓	101 2	K0	Partly sup. on 102
✓	102 4	A0	
✓	103 3	A0	
✓	104 5	B3	
✓	105 2	F5	
✓	106 3	F5	
✓	107 1	A2	
✓	108 1	A0	



82	+57° 675	2	49.6 +57	51	9.0	✓
83	+58° 546	2	50.1 +58	27	8.2	✓
84	+59° 581	2	49.6 +59	5	8.7	✓
85	+59° 582	2	49.7 +59	6	7.0	✓
86	+58° 551	2	52.4 +58	52	7.8	✓
87	+59° 587	2	52.5 +59	16	9.0	✓
88	+59° 589	2	53.6 +59	27	8.2	✓
89	+58° 563	2	58.1 +58	49	8.1	✓
90	+58° 567	2	59.0 +58	58	8.0	✓
91	+58° 564	2	58.1 +58	11	8.0	✓
92	+58° 572	<del>2</del> <sup>3</sup>	0.7 +58	11	8.2	✓
93	+47° 703	3	0.7 +47	38	8.7	✓
94	+47° 701	3	0.0 +47	32	8.8	✓
95	+47° 700	2	59.1 +47	34	9.1	✓
96	+47° 695	2	57.3 +47	34	8.5	✓ ✓
97	+58° 556	2	55.8 +58	2	8.2	✓
98	+58° 560	2	56.9 +58	45	8.7	✓
99	+59° 607	3	1.2 +59	22	8.3	✓
100	+59° 609	3	2.7 +59	0	7.4	✓
101	+59° 616	3	4.6 +59	34	7.6	✓
102	+59° 618	3	4.8 +59	30	7.9	✓ +59° 618 3 4.8 +59 29 9.0 super.
103	+59° 621	3	5.2 +59	27	8.3	✓
104	+59° 625	3	5.5 +59	31	7.1	✓
105	+58° 581	3	5.7 +58	36	8.5	✓
106	+58° 583	3	6.3 +58	15	8.4	✓
107	+47° 714	3	8.5 +47	50	9.1	✓
108	+47° 713	3	8.0 +47	21	9.3	✓

Monday, Nov. 30, 1914  
 738959

No	Int.	Class	Remark
✓ 109	8	Q <sub>0</sub>	Lines narrow like E Leonis
✓ 110	1	Q <sub>0</sub>	
✓ 111	1	Q <sub>2</sub>	
✓ 112	1	F <sub>5</sub>	
✓ 113	2	K <sub>5</sub>	
✓ 114	4	Q <sub>0</sub>	

1:00

115	1	Q <sub>0</sub>
116	2	B <sub>8</sub>
117	4	K <sub>0</sub>



109  $+56^{\circ}$  798 3 14.8  $+56$  35 6.0 ✓

110  $+56^{\circ}$  803 3 7.7  $+56$  6 9.1 ✓

111  $+55^{\circ}$  763 3 8.0  $+53$  58 9.0 ✓

112  $+55^{\circ}$  791 3 17.5  $+58$  9 9.3 ✓

113  $+54^{\circ}$  683 3 19.2  $+54$  53 7.3 ✓

114  $+52^{\circ}$  666 3 2.2  $+53$  19 8.3 ✓

Identified on cards by Amc. ~~to~~ Dec. 5, 1914

Identified here (Dec. 21, 1914) (D.W.)

Identification compared by G.R.B. Dec. 22, 1914

✓ 115  $+58^{\circ}$  590 2 54.4  $+59$  45 8.9 34 on J37320

✓ 116  $+58$  532 2 45.4  $+58$  54 8.2 79 " "

✓ 117  $+57$  715 3 9.6  $+57$  21 8.0 266 on J37427

Jan. 13, 1915

B 44048 long.

✓ 1 5- 25-

Adrift.  
Same as no. 35 on B 14808 Burned out.



1 -5°177<sup>✓</sup> 0 85.7<sup>✓</sup> -5°36.7<sup>✓</sup> 85.3

Calc made with a.m.c. Jan 13, 1915  
" checked a.p.c. " "

Friday January 15, 1914

B8916 long

No.	Dist.	class	Remarks
✓ 1	4	B5	
✓ 2	4	K2	Perhaps super. on 1
✓ 3	5	B3	
✓ 4	2	A0	
✓ 5	2	B8	
✓ 6	4	B8	
✓ 7	7	B8	
✓ 8	7	B2	
✓ 9	9	A0	
✓ 10	7	B3	
✓ 11	5	B3	
✓ 12	8	A0	E
✓ 13	3	B9	
✓ 14	5	B9	
✓ 15	7	B8	
16			



1	-12° 1520	6	24.7-12	28	7.2	✓
2	-12° 1518	6	24.6-12	17	5.0	✓
3	-13° 1519	6	23.9-13	3	6.3	✓
4	-11° 1506	6	22.7-11	22	8.0	✓
5	-11° 1500	6	22.1-11	11	7.8	✓
6	-13° 1504	6	21.3-13	11	7.11	✓
7	-12° 1470	6	17.7-12	53	6.3	✓
8	-11° 1460	6	14.6-11	42	5.9	✓
9	-13° 1411	6	9.1-13	40	5.2	✓
10	-16° 1415	6	9.7-16	34	6.8	✓
11	-17° 1398	6	6.4-17	44	6.3	✓
12	-14° 1331	56	39.6-14	55	5.0	✓
13	-17° 1446	6	13.3-17	28	7.0	✓
14	-19° 1405	6	11.4-19	8	7.0	✓
15	-19° 1435	6	17.5-19	43	7.0	✓

Identified here Jan. 23 1914 *W.W.*  
 Ident. on cards by Anne. Jan. 23, 1915  
 Identification compared by E.R.B. Feb. 5, 1915

Jan. 15, 1915

B10132

1 7 75



1 -110°15'3" 0 42.9 -11 25.9 5.8

Identified checked for 108 on B14808.

Card made out by A.M.C.

Jan. 18, 1915

I 10342 — long

1 6 90



1 - 3°336 2 8.4 - 3 4.3 5.9

Ident. from B.0630 No. 93

Card made out by Q. M. C.

Jan. 19, 1915

B41991 long

✓ 1 3 Ma

✓ 2 6 Ma



1	-17	384"	1	57.9	-17	59.6	7.3
2	-18°	374"	2	1.9	-18	<del>53</del> 27.7	5.7

1 = no. 100 on 122<sup>0</sup> & 8

2 = no 104 " "

Focus not so good at red  
end on 122<sup>0</sup> & 8.<sup>0</sup>  
Cards made out by Amc. Jan. 19, 1915

Jan. 19, 1915

B.44326 long.

✓ 1 4 K5

✓ 2 6 F5

✓ 3 5 A2

✓ 4 5 G5

✓ 5 3 A0



1  $-8^{\circ}489$  2 28.9  $-8$  27.7 6.0

Cards made out.

No. 3 on B10410 to ~~lower~~ & near edge

2  $-10$  528 2 33.1  $-10$  4.5 6.2

H.R. 784. No. 3 on B18191

Card made out.

3  $-10$  585 2 51.8  $-10$  21.4 6.5

H.R. 895. No. 33 on B18191

Card made out.

4  $-8$  562 2 54.0  $-8$  14.1 6.0

H.R. 907. No. 38 on B18191

Card made out.

5  $-9^{\circ}$  484 2 28.3  $-9$  59 6.7 No 165 on B40885

Saturday, Jan. 30, 1915

B45106 short

	No	Int.	Class	Remark
11:40	✓ 1	2	F8	
	✓ 2	2	F8	
	✓ 3	1	G0	
	✓ 4	4	G5	
	✓ 5	1	F8	
	✓ 6	2	F8	
	✓ 7	1	F5	
	✓ 8	2	G2	
	✓ 9	3	K0	
	✓ 10	1	K2	
	✓ 11	3	K2	
	✓ 12	2	G5	
	✓ 13	2	G0	
	✓ 14	1	G5	
	✓ 15	1	G0	
	✓ 16	3	K0	
	✓ 17	2	A3	Partly sun on 18
	✓ 18	1	M0	" " " " 17
	✓ 19	3	A5	
	✓ 20	4	F5	
	✓ 21	3	F8	
	✓ 22	2	A3	
	✓ 23	5	G0	
	✓ 24	2	F8	
	✓ 25	1	G5	
	✓ 26	1	F5	



1	-46° 490	1	39.2	-46	14	9.0	✓
2	-45° 562	1	37.6	-45	31	8.6	✓
3	-46° 473	1	36.3	-46	3	9.3	✓
4	-46° 460	1	33.7	-46	24	8.0	✓
5	-46° 457	1	33.3	-46	16	9.5	✓
6	-46° 449	1	32.2	-46	19	9.2	✓
7	-45° 541	1	33.4	-45	31	9.2	✓
8	-44° 455	1	30.8	-44	44	9.3	✓
9	-43° 488	1	30.5	-43	38	7.8	✓
10	-44° 431	1	27.5	-44	40	9.2	✓
11	-45° 512	1	27.4	-45	23	8.6	✓
12	-45° 488	1	24.2	-45	27	9.3	✓
13	-45° 483	1	22.7	-45	44	9.0	✓
14	-45° 472	1	20.9	-45	21	9.3	✓
15	-44° 407	1	22.1	-44	35	9.1	✓
16	-46° 393	1	19.7	-46	16	8.6	✓
17	-46° 39 <sup>5</sup> <sub>X</sub>	1	19.8	-46	35 <sup>6</sup>	8.6 <sup>9</sup>	✓
18	-46° 39 <sup>4</sup> <sub>X</sub>	1	19.8	-46	36 <sup>5</sup>	8.6 <sup>8</sup>	✓
19	-48° 365	1	20.5	-48	26	9.2 <sup>4</sup>	✓
20	-48° 381	1	21.1	-48	35	8.6	✓
21	-47° 45 <sup>0</sup> <sub>1</sub>	1	25.8	-47	54	9.0	✓
	<del>-47° 451</del>	<del>1</del>	<del>25.9</del>	<del>-47</del>	<del>2</del>	<del>8.9</del>	✓
22	-47° 460	1	27.6	-47	54	9.2	✓
23	-47° 463	1	28.1	-47	57	8.2	✓
24	-47° 461	1	25.9	-47	2	8.9	✓
25	-46° 424	1	27.2	-46	46	9.4	✓
26	-46° 427	1	27.6	-46	33	9.5	✓

Saturday, Jan. 30, 1915

B 45106 short

No	Int.	Class	Remark
✓ 27	1	K <sub>0</sub>	
✓ 28	1	G <sub>5</sub>	
✓ 29	5	K <sub>0</sub>	
✓ 30	2	K <sub>2</sub>	
✓ 31	2	G <sub>5</sub>	
✓ 32	3	G <sub>0</sub>	
✓ 33	1	K <sub>0</sub>	
✓ 34	3	K <sub>0</sub>	
✓ 35	4	F <sub>6</sub>	
✓ 36	2	K <sub>2</sub> E	
✓ 37	3	F <sub>15</sub> E	
✓ 38	3	G <sub>3</sub> E	
✓ 39	2	K <sub>0</sub> E	
✓ 40	4	F <sub>15</sub>	
✓ 41	2	K <sub>2</sub>	
✓ 42	4	F <sub>8</sub>	
✓ 43	3	F <sub>15</sub>	
✓ 44	3	G <sub>2</sub>	
✓ 45	1	K <sub>0</sub>	
✓ 46	10	G <sub>0</sub>	
✓ 47	2	G <sub>0</sub>	
✓ 48	1	G <sub>0</sub>	
✓ 49	1	K <sub>5</sub>	
✓ 50	1	G <sub>5</sub>	
✓ 51	1	G <sub>5</sub>	
✓ 52	1	K <sub>0</sub>	



27	-46° 421	1	26.6	-46	32	9.5	✓
28	-46° 452	1	32.5	-46	57	9.6	✓
29	-47° 490	1	32.6	-47	49	7.7	✓
30	-48° 436	1	34.0	-48	3	8.5	✓
31	-48° 435	1	33.8	-48	18	9.4	✓
32	-48° 440	1	34.6	-48	39	9.1	✓
33	-48° 442	1	35.3	-48	33	9.2	✓
34	-49° 429	1	27.4	-49	17	8.9	✓
35	-49° 412	1	23.5	-49	26	8.9	✓
36	-49° 401	1	21.6	-49	55	8.7	✓
37	-50° 370	1	16.5	-50	2	8.8	✓
38	-50° 367	1	15.9	-50	18	9.0	✓
39	-50° 349	1	12.5	-50	27	8.1	✓
40	-49° 369	1	12.6	-49	16	8.2	✓
41	-48° 337	1	13.8	-48	49	8.7	✓
42	-47° 385	1	13.7	-48	17	8.3	✓
43	-46° 362	1	13.4	-46	48	8.5	✓
44	-46° 369	1	14.6	-46	7	9.3	✓
45	-46° 359	1	12.5	-46	1	8.9	✓
46	-46° 346	1	9.6	-46	12	5.3	✓
47	-45° 398	1	6.6	-45	10	9.1	✓
48	-45° 447	1	16.41	-45	19	9.21	✓
49	-45° 448	1	16.6	-45	5	9.4	✓
50	-45° 456	1	17.8	-45	20	9.4	✓
51	-46° 349	1	10.0	-46	29	9.4	✓
52	-46° 344	1	9.2	-46	28	9.3	✓

Saturday, Jan. 30, 1915

45106 shot

No. int.	Class	Remark
✓ 53 1	L5	
✓ 54 1	L0	
✓ 55 1	L0	
✓ 56 2	F8	Another star sup. at north
✓ 57 5	F5	
✓ 58 1	K2	
✓ 59 2	L0	
✓ 60 3	K2	
✓ 61 2	L5	
✓ 62 2	L0	
✓ 63 3	L5	
✓ 64 4	F8	
✓ 65 3	L0	
✓ 66 2	F8	
✓ 67 1	L5	
✓ 68 1	L0	
✓ 69 3	L0	
✓ 70 10	L5	
✓ 71 2	L5	
✓ 72 1	K0	
✓ 73 1	K2	
✓ 74 2	L5	
✓ 75 2	K0	
✓ 76 2	K0	
✓ 77 4	K5 E	
✓ 78 4	K3 E	



53	-46° 314	1	2.3	-46	9	9.3	✓
54	-45° 370	1	2.3	-45	59	9.2	✓
55	-45° 368	1	2.2	-45	34	9.6	✓
56	-45° 375	1	3.6	-45	11	9.0	✓
						-45° 376 1 3.6 -45 6 9.6	
57	-44° 309	1	2.1	-44	28	8.0	✓
58	-44° 308	1	2.0	-44	49	9.3	✓
59	-44° 302	0	59.8	-44	9	9.1	✓
60	-42° 378	1	0.3	-42	30	7.4	✓
61	-42° 380	1	0.4	-42	10	8.4	✓
62	-43° 284	0	53.3	-43	55	8.7	✓
63	-44° 261	0	52.5	-44	1	8.6	✓
64	-44° 257	0	52.2	-44	8	8.7	✓
65	-45° 319	0	54.5	-45	46	9.1	✓
66	-45° 322	0	55.0	-45	60	9.0	✓
67	-45° 328	0	55.5	-45	58	9.1	✓
68	-46° 281	0	55.0	-46	14	9.3	✓
69	-46° 292	0	57.5	-46	34	8.9	✓
70	-47° 313	0	57.2	-47	4	5.9	✓
71	-47° 394	0	53.8	-47	17	8.8	✓
72	-47° 289	0	53.2	-47	11	8.8	✓
73	-48° 263	1	1.2	-48	45	9.1	✓
74	-48° 293	1	3.6	-48	14	8.8	✓
75	-50° 322	1	3.1	-50	23	8.0	✓
76	-50° 323	1	3.2	-50	18	9.0	✓
77	-41° 370	1	21.2	-41	8	7.5	✓
78	-41° 397	1	24.3	-41	50	8.3	✓

Saturday, Jan. 30, 1915

B 45106 short

No	Int.	Class	Remark
✓ 79	4	ly5	
✓ 80	3	ly5	
11:55 ✓ 81	3	ly5	E

82 7. .. 70

83 5 .. 78



79  $-43^{\circ} 456$  1 24.0 -43 48 8.0 ✓

80  $-43^{\circ} 546$  1 41.4 -43 57 8.2 ✓

81  $-44^{\circ} 512$  1 40.8 -44 32 8.7 ✓

Identified here Feb. 2 1915 V.D.W.

Ident. on cards by Amc. Feb. 4, 1915

Identification compared by G.R.B. Feb. 5, 1915

✓ 82  $-43^{\circ} 503$  1 33.2 -43 34 6.7, 8 on B4, +75  
 - 83  $-45^{\circ} 542$  1 33.4 -45 14 7.9 20 " "

Tuesday  
~~Monday~~, Feb. 8, 1915

B 42005 long

1 6 95



1 -13° 544 2 45.6 -13 22 5.8

33  
Same as ~~88~~ on B18191

Ident. independently by M. K. H.  
Card made out by C. J. C.

Monday, Feb. 8, 1915

I 23300 short

✓ 1.	7	95	
✓ 2	4	95	Partly superposed on X 1
✓ 3	1	R	
✓ 4	3	mb	



1	+47°	4059	23	3.3	+47	10.2	7.5✓
2	+47°	4058	23	3.3	+47	10.2	8.5✓
3	..	23	4.1	+45	30		✓
4	+47°	4115	23	12.9	+47	52.5	9.2✓

Ident. on cards by A.M.C. April 13, 1915

Ident. in Book by M.A.H. April 16, 1915

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

Wednesday ~~Friday~~ February 10, 1915

938/30

cont from Book 88, 92

No.	Det.	Class	Remark
✓ 109	3	A2	Aurilian star super at south. Probably class K.
✓ 110	1	F5	Faint. Confirmed on I 32264
✓ 111	2	A2	

112 8

F0

113 9

F0



109 +14°	4836 22	32.1 +14	40.0	8.7	+14° 483 <sup>7</sup> mag. 8.5 sup. at south.
110 +15°	4682 22	30.2 +15	16.1	8.7	✓
111 +15°	4674 22	27.0 +15	16.8	9.0	✓

Ident. on cards by A.W.C. Feb 10, 1915

Ident. in Book by M.A.H. Aug. 20, 1915

Identification confirmed by G.R.B. August 20, 1915

✓ 112	+9	5111	22	42.3	+9	44	6.8	2 on J 38101
✓ 113	+10	4859	22	57.9	+10	57	6.1	18. . .

Wed. March 10<sup>10</sup>  
~~Monday, February 15~~, 1915

~~I 38400~~  
 I 35561 short  
 For  $+55^{\circ}$  1220 superposed on long dispersion  
 1221

✓ 1 3 ma

✓ 2 5 16s



1	+55°	1221	7	35.3	+55	55	8.1	✓
2	+55°	1220	7	35.3	+55	50	8.2	✓

Ident. on cards by Am.C. Mar. 10, 1915  
checked by comparison with - Bk 42, 72 237676

Saturday, March 13, 1915

B 44350 long

	M <sub>int</sub>	Class	Remark
11:50	✓ 1 6	B <sub>9</sub>	
	✓ 2 5	A <sub>0</sub>	
	✓ 3 3	Ma	
	✓ 4 3	F <sub>0</sub>	
	✓ 5 9	A <sub>0</sub>	
	✓ 6 5	A <sub>2</sub>	
	✓ 7 5	A <sub>2</sub>	
	✓ 8 7	F <sub>5</sub>	
	✓ 9 3	F <sub>5</sub>	Nearly all sup. on 8
	✓ 10 5	A <sub>0</sub>	
	✓ 11 6	B <sub>8</sub>	
11:53	✓ 12 8	B <sub>9</sub>	

13	6	G <sub>0</sub>	
14	7	A	Supersat on 15. Probably A <sub>5</sub>
15	7	A	" " 14 " "
16	8	B <sub>5</sub>	



1 -17°	1199 5	32.9 -17	56.0	6.7 -17° 1200 magn. 8.3
2 -18°	1125 5	27.9 -18	26.3	7.9 - sup. n. f.
3 -18°	1127 5	27.9 -18	54.7	6.9 ✓
4 -18°	1122 5	27.4 -18	46.8	8.0 ✓
5 -20°	1105 5	24.9 -20	58.2	6.0 ✓
6 -21°	1179 25	23.3 -21	9.7	7.7 ✓
7 -20°	1085 5	20.2 -20	50.6	7.5 ✓
8 -19°	1173 5	19.7 -19	49.1	6.0 ✓
9 -19°	1172 5	19.7 -19	48.1	8.5 ✓
10 -19°	1166 5	18.7 -19	30.1	7.5 ✓
11 -20°	1147 5	33.5 -20	31.6	7.0 ✓
12 -18°	1172 5	37.0 -18	37.6	6.0 ✓

Ident. on cards by Aue. June 22, 1915

Ident. in Book by M.H. July 7, 1915

Compared by M.A.H. July 9, 1915

✓ 13 -18°	1051 5	12.4 -18	17	6.3 66 on B18649
✓ 14 -18°	1053 5	12.9 -18	40	7.3 } 67 on B18649
✓ 15 -18	1056 5	12.9 -18	40	7.0 }
✓ 16 -16	1208 5	35.2 -16	48	6.5 88 on B20485

Thursday, March 18, 1915.

9 38984 long

	No	Int	Class	Remark
9122	✓ 1	5	B8	
	✓ 2	6	F8	
	✓ 3	2	G0	
	✓ 4	4	B9	Another star sup?
	✓ 5	2	A2	
	✓ 6	6	G0	
	✓ 7	3	A2	Partly sup. on 8
	✓ 8	7	B9	
	✓ 9	5	G0	
	✓ 10	3	K0	
	✓ 11	1	K2	Another star sup. at south
	✓ 12	2	A2	" " " " "
	✓ 13	2	F5	
	✓ 14	3	B8	
	✓ 14a	5	B9	
	✓ 15	4	A2	
	✓ 15a	1	K2	
	✓ 16	2	K0	
	✓ 17	1	F5	
	✓ 18	2	G0	
	✓ 19	3	G0	
	✓ 20	7	Comp.	Br. = F5. F8 = A2
	✓ 21	1	G0	
	✓ 22	1	K0	
	✓ 23	10+	A2	
	✓ 24	3	G0	
	✓ 25	1	F2	
	✓ 26	4	B9	



1 +62°	512	2	53.5	+62	27	7.5	✓
2 +62°	479	2	40.7	+62	49	6.7	✓
3 +63°	360	2	39.4	+63	12	8.8	✓
4 +62°	468	2	37.3	+62	40	8.1	✓ +62° 470 a.u. 9.5
5 +61°	485	2	38.1	+61	15	8.5	✓
6 +61°	448	2	28.8	+61	58	7.0	✓
7 +61°	445	2	27.8	+61	56	7.5	✓
8 +61°	444	2	27.7	+61	57	6.5	✓
9 +61°	462	2	31.2	+61	44	7.0	✓
10 +62°	426	2	25.2	+62	51	7.3	✓
11 +62°	425	2	25.2	+62	29	7.5	✓ +62° 424 a.u. 8.5
12 +60°	490	2	19.0	+60	18	8.7	✓ +60° 489 a.u. 9.0
13 +60°	495	2	20.2	+60	4	8.0	✓
14 +64°	323	2	23.1	+64	9	8.7	✓
14a +62°	388	2	13.3	+62	23	7.3	✓
15 +65°	248	2	9.6	+65	7	8.3	✓
15a +62°	387	2	13.2	+62	53	7.4	✓
16 +65°	247	2	8.0	+65	36	8.2	✓
17 +64°	319	2	8.9	+64	24	8.5	✓
18 +63°	301	2	0.5	+63	28	9.0	✓
19 +62°	357	1	59.9	+62	54	8.5	✓
20 +65°	239	2	3.2	+65	50	6.0	✓ +65° 240 a.u. 8.9
21 +66°	201	2	8.0	+66	44	9.0	✓
	247	2			36	8.2	✓
22 +65°	259	2	14.8	+65	54	8.4	✓
23 +66°	213	2	17.2	+66	45	4.7	✓
24 +66°	214	2	17.7	+66	46	8.8	✓
25 +65°	278	2	25.7	+65	53	9.1	✓
26 +65°	289	2	34.0	+65	7	8.4	✓
27							

Thursday, March 18, 1915  
T 3 P 9 P 4

No	mt	Class	Remark
✓ 27	2	A <sub>0</sub>	
✓ 28	6	A <sub>0</sub>	
✓ 29	2	B <sub>8</sub>	
✓ 30	3	B <sub>7</sub>	Almost cont from red end to H $\delta$
✓ 31	2	A <sub>3</sub>	
✓ 32	3	A <sub>0</sub>	
✓ 33	1	A <sub>0</sub>	
✓ 34	1	A <sub>2</sub>	
✓ 35	1	A <sub>2</sub>	
✓ 36	2	A <sub>0</sub>	
✓ 37	1	A <sub>0</sub>	
✓ 38	2	F <sub>5</sub>	
9139 ✓ 39	1	K <sub>0</sub>	
40	1	A <sub>1</sub>	Perhaps B <sub>8</sub> . Image has small plate.
41	2	K <sub>2</sub>	
42	1	A <sub>3</sub>	
✓ 43	2	A <sub>3</sub>	
✓ 44	2	F <sub>5</sub>	
✓ 45	2	K <sub>0</sub>	
46	2	B	Almost cont.



27	+65°	304	2	41.9	+65	36	8.9	✓
28	+65°	306	2	43.8	+65	13	7.0	✓
29	+63°	364	2	41.8	+63	51	8.5	✓
30	+63°	367	2	43.4	+63	32	7.0	✓
31	+65°	308	2	46.6	+65	33	8.6	✓
32	+67°	230	2	39.0	+67	13	8.5	✓
33	+64°	360	2	49.6	+64	44	8.5	✓
34	+64°	361	2	49.9	+64	35	9.0	✓
35	+63°	371	2	46.1	+63	24	8.8	✓
36	+61°	512	2	52.0	+61	24	8.7	✓
37	+61°	520	2	54.6	+61	13	8.4	✓
38	+66°	247	2	59.8	+66	51	8.3	✓
39	+66°	246	2	59.1	+66	12	8.0	✓

Ident. in Book by J. C. M. March 18, 1915.

Ident. on cards by A. M. C. Mar. 22, 1915

Identification confirmed by L. R. B. Mar. 22, 1915

✓	40	+64°	291	1	56.6	+64	47	8.2	177 on I 37308
✓	41	+63	277	1	53.2	+63	33	7.8	179 " "
✓	42	+66°	245	2	57.2	+66	31	8.8	126 on I 37341
✓	43	+65°	329	3	1.5	+65	41	9.0	123 " "
✓	44	+64°	362	2	50.8	+64	14	9.1	118 " "
✓	45	+63°	355	2	33.0	+63	24	8.4	87 " "
✓	46	+62	504	2	48.8	+62	8	8.0	69 " "

Thursday, March 25, 1915

B 8969 long

For bright stars.

	No	ml	Class	Remark
2:35	✓	1 7	B <sub>9</sub>	
	✓	2 5	M <sub>2</sub>	
	✓	3 10	B <sub>9</sub>	
	✓	4 9	F <sub>10</sub>	
	✓	5 7	B <sub>9</sub>	
	✓	6 10	B <sub>9</sub>	Another star sup. or preced? <sup>Probably a trail</sup> Same class
	✓	7 5	K <sub>0</sub>	
	✓	8 10	A <sub>2</sub>	
	✓	9 4	A <sub>0</sub>	
	✓	10 6	A <sub>0</sub>	
	✓	11 3	A <sub>0</sub>	
	✓	12 7	A <sub>2</sub>	
	✓	13 2	B <sub>8</sub>	
	✓	14 7	B <sub>5</sub>	
	✓	15 9	B <sub>3</sub>	H <sub>β</sub> off edge of plate
	✓	16 9	A <sub>2</sub>	
	✓	17 6	B <sub>8</sub>	
	✓	18 4	A <sub>0</sub>	
	✓	19 3	A <sub>0</sub>	
	✓	20 7	F <sub>15</sub>	
	✓	21 2	B <sub>3</sub>	
	✓	22 4	B <sub>9</sub>	
	✓	23 3	F <sub>2</sub>	
2:40	✓	24 3	B <sub>5</sub>	



1 -43°	3093 7	14.2 -43	45.6	6.3 ✓
2 -44°	3227 7	9.7 -44	26.1	var. ✓
3 -44°	3223 7	9.5 -44	58.1	5.3 ✓
4 -46°	2977 7	9.0 -46	32.9	4.8 ✓
5 -46°	3000 7	11.2 -46	37.9	6.2 ✓
6 -48°	2807 7	11.2 -48	3.2	5.0 ✓
7 -48°	<sup>6.5</sup> 2782 7	<sup>7.5</sup> 8.7 -48	<sup>44</sup> 58.4	<sup>5.5</sup> 8.2 ✓
8 -49°	2587 7	0.6 -49	24.1	5.3 ✓
9 -43°	2931 7	2.5 -43	24.9	6.9 ✓
10 -43°	2906 7	0.1 -43	25.9	5.8 ✓
11 -43°	2882 6	58.4 -43	13.4	6.8 ✓
12 -42°	2929 7	0.1 -42	9.2	5.5 ✓
13 -42°	2915 6	58.4 -42	27.2	7.6 ✓
14 -40°	2930 7	3.0 -40	41.9	6.2 ✓
15 -39°	3105 7	4.7 -39	27.3	5.3 ✓
16 -40°	2987 7	8.1 -40	18.0	5.7 ✓
17 -41°	2906 7	10.9 -41	12.7	6.3 ✓
18 -45°	2850 6	55.1 -45	36.0	6.6 ✓
19 -45°	2843 6	54.4 -45	55.6	6.9 ✓
20 -46°	2703 6	46.4 -46	29.0	5.4 ✓
21 -47°	2561 <sup>6</sup> 7	41.7 -47	5.5	7.5 ✓
22 -43°	2756 6	49.0 -43	49.5	6.7 ✓
23 -42°	2793 6	48.8 -42	21.2	7.0 ✓
24 -40°	2856 6	57.7 -40	43.3	7.2 ✓

Ident on cards by Amc. Mar. 31, 1915

Ident. in Book by M. A. H. March 26, 1915

Identification compared by G. R. B. Mar. 31, 1915

Thursday, March 25, 1915

B 42161 <sup>long</sup>~~short~~ (For bright stars)

	M	F	Class Remark
2:43	✓ 1	5	Q2
	✓ 2	5	Q0
	✓ 3	4	B5
	✓ 4	5	B5
	✓ 5	4	B8
	✓ 6	4	B8
2:44	✓ 7	7	B5
	8		

8:13 . Q0



1 -40°	2987 7	8.1 -40	18.0	5.7 ✓
2 -38°	3309 7	14.3 -38	58.9	5.8 ✓
3 -38°	3288 7	12.2 -38	6.2	6.3 ✓
4 -38°	3400 7	24.8 -38	33.6	5.9 ✓
5 -41°	2906 7	10.9 -41	12.7	6.3 ✓
6 -40°	2930 7	3.0 -40	41.9	6.2 ✓
7 -39°	3105 7	4.7 -39	27.3	5.3 ✓

Ident on Cards by A.M.C. Mar. 31, 1915

Ident. in Book by M.A.B. March 26, 1915

Identification compared by G.R.B. March 31, 1915

✓ 8 -41 2915 7 11.4 -41 5.2 7.1 <sup>5.8</sup> 1320671

Friday, March 26, 1915

B 2 4 5 7 6 short

	No	mt	Class	Remark
3:07	✓ 1	4	lyo	
	✓ 2	2	lyo	
	✓ 3	2	lyo	
	✓ 4	2	lyo	
	✓ 5	6	lyo	
	✓ 6	4	lyo	
	✓ 7	7	lyo	
	✓ 8	2	lyo	
	✓ 9	1	lyo	
	✓ 10	2	lyo	
	✓ 11	4	lyo	
	✓ 12	1	lyo	
	✓ 13	3	lyo	
	✓ 14	1	lyo	
	✓ 15	4	lyo	
	✓ 16	6	lyo	
	✓ 17	3	lyo	
	✓ 18	3	lyo	
	✓ 19	4	lyo	
	✓ 20	5	lyo	
	✓ 21	4	lyo	
	✓ 22	4	lyo	
	✓ 23	5	lyo	
	✓ 24	2	lyo	
	✓ 25	2	lyo	
	✓ 26	1	lyo	



1	-10° 311	1	20.9	-10	48	8.5	✓
	<sup>11° 277</sup>	1	<del>22.1</del>	-11	2	<del>8.5</del>	
2	-12° 309	1	33.2	-12	3	9.0	✓
3	-11° 278	1	22.7	-11	40	8.9	✓
4	-11° 283	1	23.4	-11	36	8.8	✓
5	-11° 285	1	24.0	-11	39	8.2	✓
6	-11° 286	1	24.1	-11	32	9.0	✓
7	-11° 291	1	25.3	-11	3	8.0	✓
8	-10° 328	1	25.2	-10	15	8.8	✓
9	-10° 330	1	26.4	-10	16	9.1	✓
10	-11° 304	1	28.7	-11	26	8.9	✓
11	-11° 306	1	30.3	-11	21	8.4	✓
	<sup>308</sup>	1	<sup>30.4</sup>	-11	<sup>34</sup>	<sup>9.30</sup>	
12	-11° 307	1	30.4	-11	23	9.3	✓
13	-11° 312	1	31.5	-11	26	8.5	✓
14	-10° 347	1	31.6	-10	38	8.8	✓
	<sup>317</sup>	1	<sup>32.3</sup>	-11	<sup>32</sup>	<sup>8.3</sup>	
15	-11° 313	1	31.5	-11	26	8.3	✓
16	-11° 315	1	31.8	-11	14	7.8	✓
17	-11° 318	1	33.2	-11	10	9.0	✓
18	-10° 355	1	33.5	-10	34	9.0	✓
19	-11° 323	1	35.0	-11	50	8.5	✓
20	-11° 329	1	36.2	-11	48	8.5	✓
21	-12° 321	1	36.4	-12	8	8.5	✓
22	-12° 325	1	37.5	-12	14	8.5	✓
23	-12° 323	1	37.5	-12	23	8.3	✓
24	-12° 324	1	37.5	-12	0	9.1	✓
25	-11° 331	1	38.0	-11	30	9.2	✓
26	-11° 338	1	38.4	-11	0	8.9	✓

Friday, March 26, 1915

B24576 short

No	Int	Class	Remark
✓ 27	5	K2	
✓ 28	1	K5	
✓ 29	4	K0	
✓ 30	3	K2	
✓ 31	1	K2	
✓ 32	3	G0	
✓ 33	3	F8	
✓ 34	1	G0	
✓ 35	3	G0	
✓ 36	6	F5	
✓ 37	3	G0	
✓ 38	3	G0	
✓ 39	3	F2	
✓ 40	2	F2	
✓ 41	3	K2	
✓ 42	5	K0	
✓ 43	1	K0	
✓ 44	5	G5	
✓ 45	2	F5	
✓ 46	2	G5	
✓ 47	2	F8	
✓ 48	4	G0	
✓ 49	2	K0	
✓ 50	1	K0	
✓ 51	3	K0	
3:14 ✓ 52	5	G5	



27	<sup>100</sup> <del>8</del> 376	1	39.9	-10	19	8.3	✓
28	-10° 378	1	40.2	-10	13	8.7	✓
29	-9° 342	1	41.0	-9	58	8.2	✓
30	-11° 346	1	40.6	-11	42	8.7	✓
31	-12° 329	1	39.1	-12	46	9.1	✓
32	-12° 326	1	38.2	-12	59	9.0	✓
33	-13° 317	1	37.5	-13	23	8.8	✓
34	-13° 315	1	37.0	-13	4	9.3	✓
35	-12° 319	1	35.7	-12	54	9.0	✓
36	-13° 312	1	35.4	-13	3	8.4	✓
37	-12° 313	1	34.2	-12	53	9.0	✓
38	-13° 306	1	33.7	-13	10	8.9	✓
39	-13° 309	1	34.1	-13	39	8.9	✓
40	-13° 311	1	35.1	-13	57	9.1	✓
41	-14° 323	1	36.3	-14	26	9.0	✓
42	-14° 328	1	37.8	-14	34	8.4	✓
43	-14° 326	1	37.1	-14	56	9.0	✓
44	-15° 305	1	36.5	-15	4	9.0	✓
45	-14° 318	1	34.8	-14	44	9.1	✓
46	-15° 300	1	34.6	-15	4	9.0	✓
47	-14° 315	1	33.2	-14	48	9.2	✓
48	-14° <sup>311</sup> 319	1	32.0	-14	39	8.4	✓
49	-14° 312	1	32.5	-14	17	8.9	✓
50	-13° 298	1	30.5	-13	52	9.2	✓
	<sup>300</sup>	1	31.5	-13	23	8.9	✓
51	-13° 299	1	30.6	-13	19	9.4	✓
52	-12° 304	1	32.2	-12	47	8.4	✓

Saturday, April 3, 1915

B 24576 short

	No	9M	Class	Remark
11:42	✓	53 5	K5	
	✓	54 4	K0	
	✓	55 4	A2	
	✓	56 5	Lg	
	✓	57 1	Ma	
	✓	58 1	K0	
	✓	59 3	K2	
	✓	60 2	Lg	
	✓	61 3	Lg	
	✓	62 4	F8	
	✓	63 1	K2	
	✓	64 3	K2	
	✓	65 2	K2	
	✓	66 3	Lg	
	✓	67 5	F8	
	✓	68 2	Lg	
	✓	69 5	Lg	
	✓	70 5	A0	
	✓	71 3	Lg	
	✓	72 1	K0	
	✓	73 9	A0	
	✓	74 5	K2	
	✓	75 4	K0 E	
	✓	76 4	A0 E	
	✓	77 4	K2 E	
	✓	78 4	F8 E	



53	-13° 296	1	30.2	-13	28	7.8	✓
54	-13° <sup>294</sup> 293	1	29.3	-13	28	8.3	✓
			29.2	-13	35	7.4	
55	-12° 294	1	28.5	-12	41	8.8	✓
56	-12° 292	1	27.9	-12	50	8.5	✓
57	-12° 296	1	28.6	-12	7	9.3	✓
58	-12° 293	1	28.3	-12	36	9.0	✓
59	-12° 287	1	26.6	-12	20	9.1	✓
60	-12° 288	1	26.7	-12	37	9.1	✓
61	-13° 283	1	26.1	-13	28	8.8	✓
62	-13° 281	1	25.4	-13	36	8.8	✓
63	-13° 280	1	25.3	-13	23	8.8	✓
64	-13° 273	1	23.4	-13	44	8.7	✓
65	-13° 274	1	23.6	-13	12	9.1	✓
66	-13° 267	1	21.7	-13	34	9.0	✓
67	-14° 285	1	21.6	-14	23	8.8	✓
68	-14° 288	1	22.1	-14	20	9.2	✓
69	-14° 294	1	24.5	-14	26	8.5	✓
70	-14° 286	1	21.8	-14	47	8.5	✓
71	-14° 290	1	23.4	-14	49	8.5	✓
72	-14° 292	1	23.6	-14	55	9.0	✓
73	-15° 279	1	25.1	-15	14	7.8	✓
74	-16° 259	1	25.4	-16	12	8.2	✓
75	-16° 260	1	25.6	-16	54	7.8	✓
76	-17° 280	1	25.8	-17	8	8.6	✓
77	-16° <sup>253</sup> 260	1	22.9	-16	29	7.5	✓
78	-16° 250	1	22.4	-16	53	8.0	✓

Saturday, April 3, 1915

B 24576 short

No	amt	Class	Remark
✓ 79	4	L <sub>5</sub>	E
✓ 80	6	L <sub>5</sub>	E
✓ 81	3	K <sub>0</sub>	E
✓ 82	5	L <sub>5</sub>	E
✓ 83	2	L <sub>5</sub>	
✓ 84	2	K <sub>0</sub>	
✓ 85	2	K <sub>2</sub>	
✓ 86	4	K <sub>0</sub>	
✓ 87	7	K <sub>0</sub>	
✓ 88	5	K <sub>0</sub>	
✓ 89	2	K <sub>0</sub>	
✓ 90	2	K <sub>0</sub>	
✓ 91	2	F <sub>15</sub>	
✓ 92	5	A <sub>0</sub>	E
✓ 93	7	L <sub>5</sub>	E
✓ 94	4	F <sub>15</sub>	
✓ 95	2	A <sub>2</sub>	
✓ 96	3	A <sub>5</sub>	
11:53 ✓ 97	2	K <sub>0</sub>	
11:57 ✓ 98	5	F <sub>10</sub>	
✓ 99	4	F <sub>12</sub>	
✓ 100	4	L <sub>5</sub>	
✓ 101	3	F <sub>18</sub>	
✓ 102	3	K <sub>0</sub>	
✓ 103	4	F <sub>15</sub>	
✓ 104	2	L <sub>5</sub>	



79	$-16^{\circ} 273$	1	29.3	-16	46	8.2	✓
80	$-16^{\circ} 278$	1	30.4	-16	44	8.0	✓
81	$-16^{\circ} 283$	1	32.2	-16	44	8.5	✓
82	$-17^{\circ} 301$	1	33.5	-17	1	7.5	✓
83	$-14^{\circ} 291$	1	30.8	<del>-14</del> <sup>15</sup>	40	9.0	✓
84	$-15^{\circ} 293$	1	32.4	-15	27	8.6	✓
85	$-15^{\circ} 318$	1	40.9	-15	24	8.5	✓
86	$-13^{\circ} 346$	1	46.5	-13	10	8.5	✓
87	$-13^{\circ} 340$	1	45.6	-13	27	7.8	✓
88	$-9^{\circ} 329$	1	36.6	-9	24	7.8	✓
89	$-10^{\circ} 358$	1	34.1	-10	6	9.0	✓
90	$-10^{\circ} 367$	1	37.4	-10	20	8.8	✓
91	$-10^{\circ} 370$	1	38.7	-10	4	9.0	✓
92	$-7^{\circ} 269$	1	30.9	-7	24	8.5	✓
93	$-7^{\circ} 268$	1	30.3	-7	30	7.8	✓
94	$-8^{\circ} 274$	1	28.1	-8	19	8.2	✓
95	$-8^{\circ} 273$	1	27.5	-8	7	8.6	✓
96	$-12^{\circ} 252$	1	16.6	-12	10	8.6	✓
97	$-12^{\circ} 251$	1	16.3	-12	28	8.9	✓
98	$-12^{\circ} 255$	1	18.2	-12	21	8.8	✓
99	$-12^{\circ} 254$	1	18.2	<del>-12</del>	54	8.9	✓
100	$-12^{\circ} 259$	1	19.0	-12	58	8.8	✓
101	$-12^{\circ} 260$	1	19.5	-12	24	9.0	✓
102	$-11^{\circ} 267$	1	18.4	-11	45	8.7	✓
103	$-11^{\circ} 265$	1	17.4	-11	22	8.9	✓
103	<del><math>-11^{\circ} 266</math></del>	<del>1</del>	<del>17.6</del>	<del>-11</del>	<del>11</del>	<del>7.8</del>	✓
104	$-11^{\circ} 259$	1	16.4	-11	30	9.0	✓

Saturday, April 3, 1915

B24576 short

	No. and	Class	Remark
	✓ 105 6	F8	
	✓ 106 7	K0	
	✓ 107 3	A3	
	✓ 108 6	K0	
	✓ 109 6	K0	
	✓ 110 2	F5	
	✓ 111 2	K0	
	✓ 112 1	F5	
	✓ 113 2	K0	
	✓ 114 3	F5	
	✓ 115 4	F0	
	✓ 116 2	F5	
	✓ 117 2	F5	Another star sup. at south
	✓ 118 5	K E	
	✓ 119 6	F5 E	
	✓ 120 3	K0 E	
	✓ 121 6	K0 E	
	✓ 122 7	A0	
	✓ 123 10+	K0	" " "
12:03	✓ 124 10+	A0	Confirmed on "B37217 long
	125		

125 7 A5

126 6 A5

127 7 A5



105	-10° 299	1	16.8	-10	34	8.3	✓
106	-8° 260	1	23.5	-8	49	7.9	✓
107	-8° 265	1	25.6	-8	54	8.8	✓
108	-7° 246	1	23.9	-7	47	7.8	✓
109	-7° 250	1	24.7	-7	28	7.6	✓
110	-12° 268	1	22.0	-12	22	8.9	✓
111	-12° 264	1	20.6	-12	42	9.1	✓
112	<sup>13</sup> <del>-12</del> ° 264	1	20.5	-13	6	9.1	✓
113	-14° 284	1	20.6	-14	19	9.0	✓
114	-12° 307	1	33.1	-12	35	8.8	✓
115	-12° 311	1	33.6	-12	18	9.0	✓
116	-12° 305	1	33.0	-12	52	9.1	✓
117	-12° 309	1	33.2	-12	3	9.0	-12° 308 1 33.2 -12 7 9.5 super.
118	-12° 349	1	47.1	-12	21	7.8	✓
119	-12° 352	1	47.8	-12	13	8.3	✓
120	-11° 367	1	47.3	-11	44	8.5	✓
121	-11° 364	1	46.5	-11	8	7.5	✓
122	-15° 289	1	29.7	-15	8	8.0	✓
123	-16° 270	1	28.9	-16	8	5.8	✓
124	-16° 265	1	27.5	-16	26	5.8	✓

Ident. on cards by Ann. April 30, 1915,  
Identified here May 11 1915 (D.W.).

Identification compared by G.R.B. May 5, 1915

✓ 135	-12	265	1	21.1	-13	0	7.3	14 m B. 2288
✓ 126	-12	267	1	21.4	-12	16	7.7	25 " "
✓ 127	-13	276	1	24.5	-13	0	7.8	15 " "

Friday, April 23, 1915

B 39679shat (Cont. from Bk. 69, 219)

	No. Int	Class	Remark
12:46	82 6	Fo	
	83 3	Ko	
	84 4	Go	
	85 6	Q5	
	86 6	F8	
	87 5	F5	
	88 6	F2	
	89 4	F8	
	90 6	Ko	
	91 7	Ko	
	92 6	Go	
	93 8	F5	
	94 2	F8	
	95 3	Go	
	96 5	K2	
	97 8	Go	
	98 8	F2	
	99 7	F5	
12:50	100 8	Qo	

cont. in 129, 54



82-44°	257 0	52.2-44	7.8	8.7
83-44°	261 0	52.5-44	1.2	8.6
84-43°	284 0	53.3-43	55.4	8.7
85-43°	291 0	54.8-43	59.6	8.8
86-44°	259 0	52.3-44	48.6	8.3
87-43°	304 0	58.4-43	58.6	8.2
88-43°	308 0	59.1-43	44.1	7.7
89-43°	313 D	59.9-43	32.2	8.7
90-45°	292 0	49.4-45	2.7	8.0
91-44°	289 0	56.7-44	46.4	8.0
92-44°	295 0	57.9-44	54.8	8.9
93-44°	309 1	2.1-44	27.5	8.0
94-44°	302 0	59.8-44	8.9	9.1
95-43°	317 1	0.4-43	14.7	8.0
96-42°	378 1	0.3-42	30.2	7.4
97-42°	389 1	1.8-42	24.8	7.0
98-40°	240 0	59.6-40	57.0	7.0
99-41°	264 0	58.2-41	12.0	7.3
100-41°	263 0	58.1-41	19.5	7.0

Ident. by M. A. H. April 23, 1915.

Cards made out by M. A. H.

Compare with cards already in cat.

and so checked by A. J. C. Apr. 23, 1915.















1914phae.proj.2170C