

1913phae.proj.2160C

1913phae.proj.2160C

This book was examined by A.M.C. for additional stars Jan. 5, 1917

9.48

Saturday, December 13, 1913



B 40314 short

No.	Int.	Class	Remark
✓ 1	4	K ₀	
✓ 2	1	K ₀	
✓ 3	7	G ₀	Another star sup. at south
✓ 4	5	A ₀	
✓ 5	2	A ₅	
✓ 6	1	K ₂	
✓ 7	2	K ₂	
✓ 8	9	F ₀	
✓ 9	4	K ₀	
✓ 10	4	F ₈	
✓ 11	1	F ₈	
✓ 12	2	A ₅	
✓ 13	1	K ₀	
✓ 14	2	A ₅	
✓ 15	4	K ₀	
✓ 16	2	G ₅	
✓ 17	3	G ₅	
✓ 18	2	G ₀	
✓ 19	5	F ₈	
✓ 20	4	F ₅	
✓ 21	4	K ₀	
✓ 22	2	F ₈	Image hazy. Two stars?
✓ 23	1	F ₅	
✓ 24	2	F ₈	
✓ 25	2	A ₂	
✓ 26	3	F ₀	
✓ 27	1	G ₅	

1	-19° 3335	11	37.3-19	37	8.8	✓	
2	-19° 3336	11	37.7-19	6	9.4	✓	
3	-18° 3237	11	39.4-18	40	8.0	✓	-18° 3236 11 39.3-18 43 9.5 ^{super}
4	-18° 3235	11	39.3-18	12	8.7	✓	
5	-18° 3234	11	39.0-18	3	9.2	✓	
6	-18° 3239	11	39.5-18	6	9.2	✓	
7	-18° 3240	11	40.1-18	8	9.0	✓	
8	-18° 3241	11	40.1-18	23	8.0	✓	
9	-18° 3242	11	40.4-18	36	8.4	✓	
10	-18° 3243	11	40.4-18	41	8.8	✓	
11	-19° 3342	11	39.7-19	17	9.6	✓	
12	-19° 3345	11	40.1-19	20	9.1	✓	
13	-19° 3347	11	40.7-19	44	9.3	✓	
14	-20° 3509	11	40.7-20	33	9.5	✓	
15	-19° 3352	11	41.9-19	32	8.6	✓	
16	-19° 3349	11	41.3-19	23	9.0	✓	
17	-19° 3350	11	41.6-19	6	9.1	✓	
18	-18° 3244	11	41.8-18	17	8.9	✓	
19	-18° 3247	11	42.2-18	23	8.8	✓	
20	-19° 3454	11	42.9-19	2	9.0	✓	
21	-18° 3252	11	43.1-18	53	8.9	✓	
22	-20° 3517	11	43.1-20	1	9.2	✓	Two very close stars - not separated on chart plate B 19537 though image shows that there are two stars separated on A 4292 given in A.M. catalogue.
23	-20° 3524	11	44.4-20	6	9.4	✓	
24	-20° 3526	11	45.0-20	2	9.2	✓	
25	-20° 3529	11	45.3-20	2	9.5	✓	
26	-20° 3528	11	45.1-20	26	9.3	✓	
27	-19° 3367	11	47.0-19	58	9.4	✓	

Saturday, December 13, 1913



B 40314 short

No.	Int.	Class	Remark
✓ 28	1	K ₂	
✓ 29	1	F ₈	
✓ 30	1	K ₂	
✓ 31	1	K ₅	
✓ 32	1	K ₂	
✓ 33	2	G ₀	
✓ 34	3	F ₀	
✓ 35	1	K ₃	
✓ 36	3	K ₂	
✓ 37	1	G ₅	
✓ 38	1	K ₀	
✓ 39	3	G ₀	
✓ 40	7	K ₀	
✓ 41	1	F ₈	
✓ 42	2	G ₅	
✓ 43	3	K ₂	Another star sup. at south.
✓ 44	5	G ₀	
✓ 45	7	F ₈	
✓ 46	1	G	Two stars?
✓ 47	3	F ₀	
✓ 48	2	G ₅	
✓ 49	1	K ₀	
✓ 50	6	F ₈	
✓ 51	1	K ₅	
✓ 52	1	K ₀	
✓ 53	5	F ₂	
✓ 54	6	F ₀	

28	-19° 3369	11	47.5-19	42	9.2	✓	
29	-19° 3370	11	47.9-19	59	9.6	✓	
30	-19° 3373	11	48.6-19	50	9.4	✓	
31	-20° 3527	11	48.8-20	11	9.0	✓	
32	-20° 3528	11	48.8-20	42	9.0	✓	
33	-20° 3510	11	49.3-20	37	9.2	✓	
34	-19° 3372	11	48.5-19	3	9.0	✓	
35	-19° 3374	11	48.7-19	11	9.0	✓	
36	-18° 3277	11	49.3-18	59	8.5	✓	
37	-19° 3375	11	49.7-19	17	9.2	✓	
38	-18° 3283	11	50.0-18	50	9.4	✓	
39	-19° 3380	11	50.9-19	16	9.0	✓	
40	-18° 3285	11	50.5-18	10	7.7	✓	
41	-18° 3387	11	50.7-18	24	9.1	✓	
42	-17° 3512	11	49.5-17	48	9.1	✓	
43	-17° 3514	11	49.7-17	35	8.9	✓	-17° 3515 11 49.8-17 37 9.2 super
44	-17° 3510	11	49.8-17	18	8.8	✓	
45	-17° 3517	11	50.5-17	18	8.3	✓	
46	-17° 3520	11	50.7-17	36	9.4	✓	-17° 3519 11 50.7-17 33 9.8 superposed
47	-16° 3364	11	50.6-16	52	9.1	✓	
48	-16° 3363	11	50.5-16	37	9.3	✓	
49	-16° 3365	11	50.9-16	57	9.3	✓	
50	-16° 3367	11	51.1-16	57	8.5	✓	
51	-17° 3527	11	52.7-17	12	8.9	✓	
52	-16° 3372	11	52.9-16	41	9.5	✓	
53	-16° 3373	11	54.0-16	43	8.8	✓	
54	-17° 3529	11	53.6-17	43	8.3	✓	

Saturday, December 13, 1913

B40314 short

No.	Int.	Class	Remarks
✓ 55	1	K ₀	
✓ 56	5	F ₈	
✓ 57	1	G ₅	
✓ 58	1	K ₀	
✓ 59	1	G ₀	
✓ 60	2	K ₀	
✓ 61	4	K ₀	
✓ 62	1	K ₂	
✓ 63	2	G ₀	
✓ 64	10+	B	Burned out.
✓ 65	2	F ₀	
✓ 66	1	G ₅	
✓ 67	1	G ₅	
✓ 68	1	G ₅	
✓ 69	1	G ₀	
✓ 70	3	A ₂	Another star sep. at south. Probably same class.
✓ 71	2	G ₅	
✓ 72	4	F ₈	
✓ 73	1	G ₀	
✓ 74	1	G ₅	
✓ 75	2	A ₃	
✓ 76	3	F ₅	
✓ 77	4	A ₂	
✓ 78	3	K ₂	
✓ 79	2	G ₀	
✓ 80	4	F ₀	
✓ 81	2	K ₀	

55	-17° 3532	11	53.9-17	34	9.1	-
56	-17° 3536	11	54.3-17	59	8.5	✓
57	-17° 3523	11	51.7-17	52	9.5	✓
58	-18° 3290	11	52.3-17	5	9.2	✓
59	-18° 3296	11	53.8-18	30	9.3	✓
60	-18° 3298	11	54.2-18	36	9.2	✓
61	-18° 3299	11	54.3-18	32	8.8	✓
62	-18° 3300	11	54.6-18	14	9.3	✓
63	-18° 3297	11	54.0-18	52	9.2	✓
64	-18° 3295	11	53.4-18	51	5.7	✓
65	-19° 3391	11	53.5-19	12	9.2	✓
66	19° 3504 (19° 3500) 1855	11	54.2-19	34	9.4	✓
67	-18° 3291	11	52.4-18	58	9.5	✓
68	-19° 3365	11	52.8-19	56	9.3	✓
69	-20° 3550	11	52.2-20	3	9.5	✓
70	-20° 3559	11	53.9-20	3	9.4	✓ -20° 3558 11 53.9-20 7 9.0 ^{super}
71	-20° 3563	11	55.3-20	36	9.0	✓
72	-18° 3303	11	55.3-18	50	9.0	✓
73	-18° 3302	11	55.0-18	29	9.5	✓
74	-18° 3304	11	55.5-18	20	9.4	✓
75	-18° 3305	11	55.6-18	25	9.2	✓
76	-18° 3309	11	56.1-18	29	9.0	✓
77	-18° 3314	11	57.5-18	34	9.0	✓
78	-18° 3313	11	57.5-18	45	8.9	✓
79	-18° 3312	11	57.4-18	52	9.5	✓
80	-19° 3402	11	57.1-19	49	9.0	✓
81	-19° 3400	11	56.6-19	45	9.0	✓

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B40314 short

No.	Int.	Class	Remark
✓ 82	2	Q ₂	
✓ 83	5	K ₀	
✓ 84	3	F ₅	
✓ 85	7	F ₅	
✓ 86	1	K ₂	
✓ 87	1	K ₀	
✓ 88	4	K ₀	
✓ 89	1	K ₀	
✓ 90	1	K ₀	
✓ 91	10+	K	Burned out
✓ 92	2	G ₀	
✓ 93	1	K ₅	
✓ 94	3	Q ₂	
✓ 95	2	G ₅	
✓ 96	3	K ₂	
✓ 97	2	G ₅	
✓ 98	8	K ₀	
✓ 99	1	K ₂	
✓ 100	5	F ₀	
✓ 101	3	K ₀	
✓ 102	1	K ₀	
✓ 103	5	F ₀	
✓ 104	4	K ₂	
✓ 105	7	F ₈	
✓ 106	4	K ₂	
✓ 107	1	K ₀	
✓ 108	5	F ₂	

82	-17°	3448	11	35.3	-17	49	9.2
83	-17°	3447 3448	11 11	35.4 35.2	-17 -17	39 49	8.2 9.2
84	-17°	34450	11	35.7	-17	17	9.0
85	-17°	34453	11	36.2	-17	18	8.0
86	-17°	34452	11	36.0	-17	32	9.1
87	-17°	34454	11	36.5	-17	40	9.2
88	-17°	34455	11	36.6	-17	46	8.3
89	-17°	34457	11	36.9	-17	34	9.3
90	-17°	34458	11	37.1	-17	40	9.2
91	-17°	34460	11	37.4	-17	32	5.0
92	-18°	3229	11	37.8	-18	5	9.0
93	-17°	34465	11	38.5	-17	23	9.2
94	-17°	34469 34469	11 11	39.4 39.4	-17 -17	4 4	9.0 9.0
95	-16°	3324	11	39.5	-16	44	9.0
96	-16°	3327	11	40.6	-16	43	9.0
97	-17°	34475	11	40.7	-17	9	9.4
98	-17°	34471	11	40.0	-17	34	7.0
99	-17°	34473	11	40.3	-17	46	9.4
100	-17°	34481	11	41.7	-17	42	8.9
101	-17°	34482	11	42.2	-17	35	8.9
102	-17°	34483	11	42.3	-17	34	9.3
103	-17°	34484	11	42.6	-17	22	8.8
104	-16°	3333	11	42.3	-16	48	8.2
105	-16°	3337	11	43.1	-16	56	8.2
106	-17°	3388 3388	11 11	44.3 44.3	-17 -17	22 22	8.2 8.2
107	-17°	3389 3389	11 11	44.7 44.7	-17 -17	22 22	9.3 9.3
108	-17°	3390 3390	11 11	45.1 45.1	-17 -17	32 32	8.7 8.7

Saturday, December 13, 1913

B40314 short

No.	Int.	Class	Remark
✓ 109	5	K ₂	
✓ 110	5	Q ₂	
✓ 111	3	K ₀	
✓ 112	1	G ₅	
✓ 113	1	F ₈	
✓ 114	3	K ₂	
✓ 115	1	K ₀	
✓ 116	5	K ₀	
✓ 117	4	K ₂	
✓ 118	1	K ₂	
✓ 119	4	K ₂	
✓ 120	2	G ₅	
✓ 121	1	Q ₃	
✓ 122	4	Q ₀	
✓ 123	2	G ₅	
✓ 124	4	K ₅	
✓ 125	2	F ₅	
✓ 126	4	G ₀	
✓ 127	4	K ₀	
✓ 128	3	G ₀	Another star sup. south preceding side.
✓ 129	6	Q ₃	
✓ 130	9	F ₀	
✓ 131	8	K ₀	
✓ 132	8	F ₀	
✓ 133	7	F ₅	
✓ 134	2	G ₅	
✓ 135	2	F ₀	

109	-17° 3492	11	45.6 -17	15	8.5	
110	-17° 3496	11	46.7 -17	9	8.3	
111	-17° 3485	11	43.3 -17	56	8.8	
112	-18° 3253	11	43.1 -18	18	9.5	
113	-18° 3256	11	43.8 ¹⁸ 17 26	9	9.1	
114	-18° 3258	11	43.9 -18	10	8.7	
115	-18° 3259	11	^{44.0} 43 9 -18	9	9.2	
116	-17° 3487	11	44.3 -17	59	8.2	
117	-18° 3260	11	44.3 -18	22	8.5	
118	-18° 3264	11	44.6 -18	13	9.5	
119	-18° 3268	11	45.3 -18	23	8.2	
120	-17° 3494	11	46.0 -17	58	9.2	
121	-18° 3274	11	47.7 -18	4	9.5	
122	-17° 3505	11	47.9 -17	18	8.7	
123	-16° 3354	11	47.7 -16	50	9.0	
124	-16° 3341	11	44.3 -16	46	8.2	
125	-16° 3344	11	45.1 -16	55	9.0	
126	-16° 3347	11	45.7 -16	47	8.8	
127	-16° 3350	11	46.4 -16	36	8.5	
128	-16° 3346	11	45.2 -16	31	9.0	-16° 3345 11 45.2 -16 32 ^{superficial} 9.2
129	-15° 3374	11	45.7 -15	29	8.6	
130	-15° 3375	11	46.0 -15	47	7.7	
131	-15° 3376	11	46.2 -15	18	7.5	
132	-14° ³⁴²⁷ 3428	11	45.8 -14	52	8.0	
	3428	11	46.3 -14	48	8.2	
133	-14° 3428	11	46.3 -14	48	8.2	
134	-15° ³³⁷⁷ 3377	11	46.9 -15	13	9.2	
135	-15° 3378	11	47.2 -15	39	9.3	

Saturday, December 13, 1913

B40314 short

No.	Int.	Class	Remark
✓ 136	1	G ₀	
✓ 137	3	G ₀	
✓ 138	10+	A	Burned out
✓ 139	3	G ₀	
✓ 140	2	K ₀	
✓ 141	2	F ₀	
✓ 142	2	K ₀	
✓ 143	5	F ₅	
✓ 144	3	K ₀	
✓ 145	3	K ₂	
✓ 146	1	F ₅	
✓ 147	1	K ₂	
✓ 148	1	G ₅	
✓ 149	7	F ₂	
✓ 150	5	K ₂	
✓ 151	5	K ₂	
✓ 152	4	G ₅	
✓ 153	3	K ₂	
✓ 154	5	F ₀	
✓ 155	4	F ₀	
✓ 156	3	K ₅	
✓ 157	1	G ₅	
✓ 158	3	G ₀	
✓ 159	4	K ₂	
✓ 160	5	K ₂	
✓ 161	4	A ₅	
✓ 162	5	A ₅	

136	-16°	3351	11	46.8	-16	8	9.3
137	-16°	3352	11	47.2	-16	15	9.0
138	-16°	3358	11	48.6	-16	20	8.4
139	-16°	3359	11	48.8	-16	28	9.0
140	-16°	3362	11	50.2	-16	29	9.2
141	-16°	3361	11	50.1	-16	12	9.3
142	-15°	3384	11	48.7	-15	10	9.1
143	-15°	3385	11	49.9	-15	39	8.8
144	-15°	3387	11	50.2	-15	29	8.7
145	-15°	3388	11	50.4	-15	16	9.1
146	^{15°} -16°	3390	11	50.8	^{15°} -16	58	9.4
147	-16°	3366	11	51.1	-16	9	9.1
148	-16°	3368	11	51.4	-16	12	9.3
149	-15°	3399	11	52.8	-15	46	7.8
150	-15°	3400	11	52.9	-15	52	8.2
151	-15°	3396	11	52.0	-15	14	8.2
152	-15°	3381	11	47.9	-15	16	9.0
153	-15°	3382	11	48.2	-15	8	9.1
154	-14°	3435	11	48.9	-14	42	8.6
155	-14°	3436	11	49.8	-14	39	9.0
156	-16°	3310	11	35.8	-16	23	8.6
157	-16°	3312	11	36.0	-16	34	9.5
158	-16°	3313	11	36.4	-16	44	9.0
159	-16°	3315	11	36.8	-16	20	8.4
160	-15°	3341	11	36.1	-15	53	8.8
161	-15°	3343	11	36.5	-15	57	8.5
162	-15°	3347	11	37.1	-15	48	8.7

Saturday, December 13, 1913



B40314 short

No.	Int.	Class	Remark
✓ 163	7	90	
✓ 164	7	12	
✓ 165	2	75	
✓ 166	7	15	
✓ 167	3	78	
✓ 168	2	70	
✓ 169	1	10	
✓ 170	4	78	
✓ 171	1	12	
✓ 172	1	12	
✓ 173	2	76	
✓ 174	3	85	
✓ 175	3	90	
✓ 176	3	10	
10:17 ✓ 177	10	10	
178			

163	-15°	3349	11	38.3	-15	17	7.7
164	-15°	3356	11	40.8	-15	15	7.3
165	-15°	3357	11	41.2	-15	19	9.1
166	-15°	3358	11	41.5	-15	48	7.5
167	-16°	3330	11	41.6	-16	20	9.0
168	-16°	3332	11	41.8	-16	34	9.1
169	-16°	3334	11	42.3	-16	22	9.1
170	-16°	3335	11	42.5	-16	15	8.8
171	-16°	3331	11	41.7	-16	11	9.1
172	-15°	3360	11	42.1	-15	48	9.3
173	-16°	3338	11	43.5	-16	24	9.1
174	-15°	3369	11	44.4	-15	36	9.0
175	-15°	3366	11	44.0	-15	12	9.3
176	-15°	3368	11	44.1	-15	18	9.1
177	-15°	3363	11	43.0	-15	11	6.2

Identified on cards by Amc. July 3, 1914
 Identified here July 6, 1914 P.D.W.
 compared by M.T.H.

10:22

Saturday, December 13, 1913

B41225 short

No.	Int.	Class	Remark
✓ 1	5	G ₀	
✓ 2	1	G ₅	
✓ 3	9	Q ₅	
✓ 4	2	K ₅	
✓ 5	1	K ₂	
✓ 6	2	G ₀	
✓ 7	4	Q ₂	
✓ 8	7	F ₅	
✓ 9	3	K ₀	
✓ 10	1	G	Nearly all sup. on 9.
✓ 11	3	F ₀	
✓ 12	3	K ₀	
✓ 13	4	Q ₅	
✓ 14	5	Q ₃	
✓ 15	6	F ₅	
✓ 16	3	F ₈	
✓ 17	1	K ₀	
✓ 18	8	Q ₀	
✓ 19	8	G ₀	
✓ 20	3	Q ₀	
✓ 21	1	G ₅	
✓ 22	3	G ₅	
✓ 23	3	Ma	
✓ 24	7	Ma	
✓ 25	5	K ₅	
✓ 26	7	F ₅	
✓ 27	7	K ₀	

1	-20° 3409	11	16.7	-20	28	8.0	✓
2	-20° 3411	11	16.9	-20	0	9.2	✓
3	-19° 3265	11	18.8	-19	47	7.0	✓
4	-19° 3270	11	20.0	-19	60	8.7	✓
5	-19° 3271	11	20.2	-19	48	9.1	✓
6	-18° 3184	11	21.8	-18	60	8.8	✓
7	-19° 3275	11	22.9	-19	25	8.8	✓
8	-19° 3282	11	23.7	-19	24	8.0	✓
9	-19° 3280	11	23.5	-19	6	8.8	✓
10	-19° 3278	11	23.4	-19	8	9.2	✓
11	-19° 3281	11	23.6	-19	2	8.8	✓
12	-18° 3198	11	25.4	-18	4	8.5	✓
13	-19° 3291	11	25.8	-19	1	8.7	✓
14	-19° 3293	11	26.3	-19	44	8.7	✓
15	-19° 3302	11	27.9	-19	45	8.0	✓
16	-18° 3214	11	30.9	-18	35	8.5	✓
17	-18° 3215	11	31.0	-18	7	8.8	✓
18	-17° 3424	11	30.8	-17	24	7.0	✓
19	-16° 3290	11	29.2	-16	3	7.0	✓
20	-16° 3293	11	30.3	-16	8	8.3	✓
21	-16° 3295	11	30.8	-16	13	8.9	✓
22	-15° 3317	11	31.2	-15	58	8.5	✓
23	-15° 3320	11	31.8	-15	49	8.0	✓
24	-15° 3323	11	32.5	-15	49	6.3	✓
25	-15° 3330	11	33.9	-15	53	7.7	✓
26	-16° 3308	11	34.7	-16	13	7.5	✓
27	-16° 3304	11	33.8	-16	54	7.0	✓

Saturday, December 13, 1913

B41225 short

No	Int.	Class	Remark
✓ 28	3	F5	
✓ 29	2	G0	
✓ 30	3	G5	
✓ 31	2	K2	
✓ 32	2	G0	
✓ 33	5	K0	
✓ 34	4	K0	
35	4	F2	
✓ 36	2	F8	
✓ 37	10+	F5	Burned out.
✓ 38	8	G5	
✓ 39	4	F5	
✓ 40	2	G0	
✓ 41	5	K0	
✓ 42	5	K2	
✓ 43	1	K5	
✓ 44	1	K0	
✓ 45	2	K2	
✓ 46	4	K0	
✓ 47	3	K0	
✓ 48	1	K0	
✓ 49	7	G0	
✓ 50	4	M2	
✓ 51	4	K0	
10:30 ✓ 52	5	G0	
Monday Dec. 15, 1913 ✓ 53	2	K2	
11.00 ✓ 54	2	F2	

28	-17° 3439	11	33.2 -17	22	8.3	✓
29	-17° 3441	11	33.3 -17	32	8.9	✓
30	-18° 3221	11	33.2 -18	40	8.5	✓
31	-18° 3223	11	34.6 -18	38	8.4	✓
32	-16° 3365	11	15.5 -16	25	8.9	✓
33	-16° 3238	11	16.3 -16	49	8.0	✓
34	-17° 3368	11	16.3 -17	31	8.0	✓
35	-17° 3366	11	15.5 -17	43	8.7	✓
36	-17° 3364	11	15.4 -17	48	8.8	✓
37	-17° 3367	11	16.2 -17	59	5.3	✓
38	-17° 3372	11	18.0 -17	49	7.2	✓
39	-17° 3379	11	19.1 -17	18	8.3	✓
40	-17° 3380	11	19.2 -17	37	8.8	✓
41	-17° 3386	11	20.1 -17	43	7.4	✓
42	-18° 3178	11	19.8 -18	24	6.9	✓
43	-18° 3182	11	20.9 -18	41	8.7	✓
44	-17° 3389	11	21.0 -17	51	8.3	✓
45	-17° 3391	11	21.1 -17	35	8.7	✓
46	-17° 3388	11	20.5 -17	21	8.2	✓
47	-17° 3385	11	19.9 -17	28	8.8	✓
48	-17° 3384	11	19.9 -17	22	9.1	✓
49	-16° 3258	11	22.0 -16	33.0	8.8	✓ Double, are both classified?
	-16° 3259	11	22.0 -16	33.6	8.8	
50	-16° 3262	11	22.7 -16	58	7.7	✓
51	-17° 3398	11	22.7 -17	5	7.7	✓
52	-17° 3396	11	22.4 -17	37	8.3	✓
53	-16° 3265	11	23.1 -16	58	8.8	✓
54	-17° 3400	11	23.0 -17	23	9.1	✓

Monday Dec. 15, 1913

B 41225 photo

No.	Int.	Class	Remarks
✓ 55	6	F5	
✓ 56	10	G ₀	
✓ 57	2	A2	
✓ 58	4	F ₀	
✓ 59	5	K ₂	
✓ 60	4	F8	
✓ 61	3	F ₂	
✓ 62	3	K ₀	
✓ 63	2	K ₂	
✓ 64	5	F8	
✓ 65	5	G ₀	
✓ 66	4	G ₀	
✓ 67	6	K ₀	
✓ 68	3	G ₀	
✓ 69	9	A ₀	
✓ 70	4	M _a	
✓ 71	2	F5	
✓ 72	6	A ₀	
✓ 73	5	F5	
✓ 74	6	F ₂	
✓ 75	2	K ₅	
✓ 76	3	A ₅	
✓ 77	7	F8	
✓ 78	1	K ₂	
✓ 79	2	M _c	
✓ 80	3	G ₀	
✓ 81	8	B2	
82	8	B9	

11.05

55	-15° 3291	11	25.4	-15	30	8.4	✓
56	-15° 3295	11	25.9	-15	29	6.2	✓
57	-15° 3296	11	26.4	-15	32	9.1	✓
58	-15° ³²⁹⁸ 3297	11	26.8	-15	36	8.5	✓
59	-15° 3297	11	26.8	-15	15	6.8	✓
60	-14° 3249	11	27.0	-14	42	8.0	✓
61	-14° 3350	11	27.3	-14	46	8.8	✓
62	-15° 3303	11	28.1	-15	18	8.5	✓
63	-14° 3355	11	28.4	-14	60	8.7	✓
64	-15° 3318	11	31.3	-15	24	8.3	✓
65	-14° 3370	11	31.4	-14	15	8.0	✓
66	-14° 3371	11	31.7	-14	14	8.5	✓
67	-14° 3326	11	19.9	-14	51	7.5	✓
68	-15° 3270	11	20.6	-15	4	8.5	✓
69	-15° 3272	11	20.9	-15	5	7.0	✓
70	-15° 3275	11	21.6	-15	48	7.5	✓
71	-15° 3273	11	21.0	-15	49	9.0	✓
72	-15° 3255	11	15.5	-15	22	7.7	✓
73	-15° 3256	11	15.8	-15	49	8.0	✓
74	-19° 3230	11	12.0	-19	26	8.0	✓
75	-19° 32 ^H 3242	11	14.2	-19	39	8.7	✓
76	-19° 3245	11	14.6	-19	43	8.7	✓
77	-19° 3249	11	15.5	-19	4	8.0	✓
78	-19° 3251	11	16.1	-19	12	8.7	✓
79	-19° 3254	11	16.7	-19	7	8.3	✓
80	-19° 3259	11	17.5	-19	2	9.2	✓
81	-19° 3250	11	15.7	-19	50	7.3	✓
82	-21° 3292	11	14.6	-21	15	7.0	✓

Identified on cards by Amc. July 23, 1914.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics

Provided by the NASA Astrophysics Data System

Identified here July 25, 1914. 108 in Bx. 450. *Low*

Monday Dec. 15, 1913

B39947 photo

11.07

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

1	-19°	3251	11	16.1	-19	12	8.7	✓
2	-19°	3253	11	16.5	-19	19	9.2	✓
3	-19°	3256	11	16.7	-19	22	9.3	✓
4	-19°	3261	11	17.6	-19	2	9.3	✓
5	-18°	3169	11	17.5	-18	42	9.0	✓
6	-18°	3167	11	16.9	-18	11	8.5	✓
7	-18°	3172	11	19.0	-18	17	9.0	✓
8	-18°	3174	11	19.4	-18	17	9.0	✓
9	-18°	3177	11	19.8	-18	39	9.0	✓
10	-19°	3267	11	18.9	-19	12	9.1	✓
11	-19°	3268	11	19.8	-19	23	9.8	✓
12	-19°	3269	11	20.0	-19	17	9.7	✓
13	-19°	3272	11	20.8	-19	14	8.9	✓
14	-18°	3180	11	20.7	-18	28	9.1	✓
15	-18°	3181	11	20.7	-18	16	9.1	✓
16	-18°	3186	11	22.5	-18	25	9.4	✓
17	-18°	3187	11	22.6	-18	49	9.4	✓
18	-18°	3188	11	23.0	-18	48	9.5	✓
19	-18°	3190	11	23.1	-18	54	9.4	✓
20	-18°	3191	11	23.3	-18	52	9.4	✓
21	-19°	3274	11	22.4	-19	10	9.8	✓
22	-19°	3277	11	23.1	-19	25	9.3	✓
23	-19°	3279	11	23.4	-19	52	9.4	✓
24	-19°	3283	11	23.8	-19	40	9.6	✓
25	-19°	3286	11	24.6	-19	17	9.4	✓
26	-19°	3288	11	25.1	-19	7	9.1	✓
27	-19°	3296	11	26.5	-19	5	9.2	✓

Monday December 15, 1913

B 39947 short.

No.	Int.	class	Remarks
✓ 28	5	F8	
✓ 29	2	As	
✓ 30	3	K0	
✓ 31	3	K0	
✓ 32	2	G0	
✓ 33	2	K5	
✓ 34	2	K2	
✓ 35	3	K0	
✓ 36	3	As	
✓ 37	2	K2	
✓ 38	4	G0	
✓ 39	1	K0	
✓ 40	1	As	
✓ 41	3	As	
✓ 42	2	K2	
✓ 43	1	As	
✓ 44	1	K2	
✓ 45	3	As	
✓ 46	2	As	
✓ 47	4	As	
✓ 48	3	F5	
✓ 49	3	F8	
✓ 50	1	K5	
✓ 51	3	K0	
✓ 52	2	As	
✓ 53	2	As	
✓ 54	2	K0	

28	-19°	3292	11	26.2	-19	42	9.1	✓
29	-19°	3294	11	26.4	-19	33	9.8	✓
30	-19°	3298	11	27.3	-19	30	9.0	✓
31	-19°	3301	11	27.8	-19	35	9.1	✓
32	-19°	3306	11	28.6	-19	9	9.3	✓
33	-18°	3203	11	28.2	-18	44	8.9	✓
34	-18°	3204	11	28.7	-18	51	9.3	✓
35	-18°	3209	11	29.5	-18	28	8.8	✓
36	-18°	3208	11	29.4	-18	10	8.9	✓
37	-18°	3212	11	30.9	-18	57	9.1	✓
38	-18°	3218	11	32.4	-18	43	8.9	✓
39	-18°	3219	11	32.6	-18	18	9.0	✓
40	-18°	3216	11	31.3	-18	46	9.7	✓
41	-17°	3436	11	32.7	-17	54	9.1	✓
42	-17°	3438	11	33.2	-17	57	9.1	✓
43	-17°	3440	11	33.2	-17	54	9.2	✓
44	-17°	3434	11	32.3	-17	18	9.2	✓
45	-16°	3297	11	31.4	-16	40	9.1	✓
46	-16°	3298	11	31.8	-16	31	9.1	✓
47	-16°	3299	11	32.3	-16	46	8.7	✓
48	-16°	3300	11	32.3	-16	4	9.1	✓
49	-17°	3373	11	18.0	-17	16	9.3	✓
50	-17°	3377	11	18.8	-17	24	9.5	✓
51	-16°	3247	11	18.4	-16	37	8.9	✓
52	-16°	3252	11	19.4	-16	59	9.4	✓
53	-16°	3254	11	19.9	-16	42	9.3	✓
54	-16°	3257	11	20.9	-16	56	9.2	✓

Monday December 15, 1913

B 39947 photo

No.	Int.	Class	Remark
✓ 55	2	F8	
✓ 56	2	K0	
✓ 57	1	A0	
58	4	K0	
✓ 59	1	K0	
✓ 60	3	G0	
✓ 61	4	F8	
✓ 62	1	M0	
✓ 63	2	F2	
✓ 64	2	K0	
✓ 65	5	A5	
✓ 66	1	K5	
✓ 67	3	F8	
✓ 68	1	K0	
✓ 69	1	K2	
✓ 70	3	F8	
✓ 71	1	L0	
✓ 72	6	K0	
✓ 73	2	G6	
✓ 74	1	K0	
✓ 75	2	F5	
✓ 76	3	F8	
✓ 77	2	K0	
✓ 78	22.6	K5	
✓ 79	1	K5	
✓ 80	4	M0	
✓ 81	1	K0	

55	-17°	3392	11	21.4	-17	45	9.7✓
56	-17°	3394	11	22.3	-17	29	9.1✓
57	-17°	3395	11	22.4	-17	11	9.8✓
58	-16°	3265	11	23.1	-16	58	8.8✓
59	-17°	3402	11	23.6	-17	1	9.7✓
60	-16°	3266	11	23.4	-16	24	9.2✓
61	-16°	3270	11	24.4	-16	46	9.0✓
62	-16°	3272	11	24.6	-16	37	9.4✓
63	-16°	3274	11	24.9	-16	51	9.4✓
64	-16°	3275	11	25.4	-16	41	9.1✓
65	-17°	3404	11	24.6	-17	26	9.0✓
66	-16°	3269	11	24.1	-16	59	9.3✓
67	-18°	3193	11	24.0	-18	19	9.1✓
68	-17°	3399	11	22.8	-17	42	9.2✓
69	-18°	3194	11	24.3	-18	12	9.2✓
70	-17°	3405	11	24.7	-17	58	9.0✓
71	-18°	3195	11	24.8	-18	12	9.5✓
72	-18°	3198	11	25.4	-18	4	8.5✓
73	-17°	3409	11	25.9	-17	55	9.0✓
74	-17°	3413	11	26.8	-17	58	9.1✓
75	-17°	3416	11	27.8	-17	40	9.2✓
76	-17°	3417	11	27.9	-17	48	9.0✓
77	-17°	3420	11	29.1	-17	27	9.0✓
78	-17°	3421	11	29.4	-17	21	9.2✓
79	-17°	3419	11	28.7	-17	54	9.2✓
80	-17°	3418	11	28.4	-17	8	8.9✓
81	-16°	3288	11	28.6	-16	50	9.4✓

Monday December 15, 1913

B39947 photo

No.	Int.	Class	Remark
✓ 82	2	F5	
✓ 83	11	K0	
✓ 84	4	G0	
✓ 85	2	G5	
✓ 86	1	G5	
✓ 87	1	G0	
✓ 88	1	K0	
✓ 89	1	K5	
✓ 90	4	A5	
✓ 91	3	F5	
✓ 92	4	G5	
✓ 93	2	K5	
✓ 94	3	K0	
✓ 95	2	F8	
✓ 96	1	K2	
✓ 97	2	F8	
✓ 98	2	G0	
✓ 99	1	G0	
100	2	A2	
✓ 101	2	F5	
✓ 102	3	G0	
✓ 103	4	K0	
✓ 104	1	K2	
✓ 105	3	A0	
✓ 106	5	G5	
✓ 107	3	G0	
11.23	✓ 108	2	K0

comb. 134, 168

82	-16°	3282	11	27.8	-16	39	9.2	✓
83	-16°	3285	11	27.9	-16	30	9.5	✓
84	-16°	3280	11	27.1	-16	18	8.9	✓
85	-16°	3281	11	27.5	-16	20	9.3	✓
86	-17°	3411	11	26.7	-17	14	9.3	✓
87	-17°	3415	11	27.1	-17	14	9.3	✓
88	-17°	3408	11	25.9	-17	6	9.5	✓
89	-15°	3278	11	22.3	-15	58	9.3	✓
90	-15°	3283	11	23.0	-15	39	9.1	✓
91	-15°	3285	11	24.1	-15	33	9.4	✓
92	-15°	3286	11	24.3	-15	25	9.1	✓
93	-20°	3422	11	20.1	-20	16	9.0	✓
94	-20°	3425	11	20.5	-20	22	9.0	✓
95	-19°	3289	11	25.3	-19	58	9.5	✓
96	-18°	3201	11	26.0	-18	42	9.4	✓
97	-18°	3200	11	25.9	-18	35	9.4	✓
98	-16°	3291	11	29.8	-16	56	9.3	✓
99	-17°	3437	11	32.8	-17	4	9.6	✓
100	-16°	3303	11	33.0	-16	59	9.8	✓
101	-17°	3442	11	34.2	-17	1	9.4	✓
102	-16°	3309	11	34.8	-16	29	9.3	✓
103	-16°	3310	11	35.8	-16	23	8.6	✓
104	-17°	3444	11	34.3	-17	38	9.1	✓
105	-17°	3448	11	35.3	-17	49	9.2	✓
106	-17°	3449	11	35.4	-17	39	8.7	✓
107	-19°	3324	11	34.4	-19	14	9.1	✓
108	-19°	3325	11	34.4	-19	16	9.4	✓

Identified on Cards by Am. C. June 15, 1914

Identification compared by E. R. B.

Monday December 15, 1913

B41220 phot

No.	Int.	Class	Remark
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Monday Dec. 15, 1913

11.40

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B 41220 phot.

No.	Int	class	Remark
✓ 1	3	G5	
✓ 2	1	F8	
✓ 3	2	A3	
✓ 4	1	K0	
✓ 5	5	F0	
✓ 6	1	K0	
✓ 7	2	F5	
✓ 8	6	K0	
✓ 9	21	K0	
✓ 10	3	K0	
✓ 11	45	A3	
✓ 12	3	K0	
✓ 13	4	G0	
✓ 14	3	K0	
✓ 15	5	G5	
✓ 16	1	A0	
✓ 17	2	G0	
✓ 18	8	A0	
✓ 19	2	F8	
✓ 20	2	F8	
✓ 21	5	A0	
✓ 22	3	F5	
✓ 23	2	F8	
✓ 24	2	G0	
✓ 25	3	F5	
✓ 26	3	G0	
✓ 27	9	A0	

1	-19°	3237	11	13.2	-19	53	8.7	✓
2	-19°	3236	11	13.1	-19	59	9.1	✓
3	-19°	3226	11	11.0	-19	54	9.1	✓
4	-19°	3224	11	10.8	-19	51	9.1	✓
5	-19°	3221	11	10.3	-19	58	8.2	✓
6	-20°	3389	11	9.9	-20	6	9.0	✓
7	-19°	3218	11	9.4	-19	57	8.9	✓
8	-19°	3215	11	9.1	-19	54	7.6	✓
9	-19°	3214	11	8.8	-19	22	8.8	✓
10	-19°	3208	11	7.5	-19	52	8.0	✓
11	-19°	3205	11	6.4	-19	40	8.2	✓
12	-19°	3202	11	6.0	-19	45	8.2	✓
13	-20°	3372 3371	11	5.1	-20	29.6 30.8	7.0 7.0	✓
14	-20°	3369	11	5.0	-20	26	8.5	✓
15	-20°	3367	11	4.9	-20	33	8.0	✓
16	-20°	3364	11	4.1	-20	22	9.5	✓
17	-20°	3357	11	2.2	-20	9	9.1	✓
18	-19°	3185	11	2.0	-19	43	7.5	✓
19	-19°	3192	11	3.2	-19	37	8.8	✓
20	-19°	3195	11	4.4	-19	23	8.8	✓
21	-19°	3198	11	4.7	-19	22	7.5	✓
22	-18°	3128	11	5.5	-18	54	8.3	✓
23	-19°	3206	11	6.8	-19	8	8.7	✓
24	-18°	3131	11	6.9	-18	47	9.0	✓
25	-18°	3133	11	7.3	-18	44	8.6	✓
26	-18°	3137	11	7.9	-18	49	8.3	✓
27	-18°	3141	11	8.1	-18	50	7.0	✓

Monday December 15, 1913

B41220 phot.

No.	Int.	Class	Remark
✓ 28	2	Fo	
✓ 29	1	Ko	
✓ 30	2	F8	
✓ 31	6	G0	
✓ 32	2	F5	
✓ 33	3	F0	
✓ 34	1	Ko	
✓ 35	2	F0	
✓ 36	3	F8	
✓ 37	3	Ma	
✓ 38	4	G0	
✓ 39	2	Ko	
✓ 40	7	G5	
✓ 41	3	Qo	
✓ 42	3	K2	
✓ 43	4	Qo	
✓ 44	1	G5	
✓ 45	3	G0	
✓ 46	5	G0	
✓ 47	10	Qo	
✓ 48	3	Ko	
✓ 49	2	F2	
✓ 50	3	F0	
✓ 51	9	Qo	
✓ 52	4	G5	
✓ 53	4	Ko	
✓ 54	8	Qo	

28	-18°	3142	11	8.2	-18	39	8.8	✓
29	-18°	3143	11	9.0	-18	48	8.7	✓
30	-19°	3231	11	12.0	-19	2	9.0	✓
31	-18°	3154	11	13.0	-18	47	7.5	✓
32	-18°	3157	11	13.7	-18	30	8.9	✓
33	-18°	3156	11	13.2	-18	7	8.5	✓
34	-18°	3159	11	14.4	-18	10	9.0	✓
35	-17°	3357 ²	11	11.7 ⁹	-17	34 ⁴³	8.5 ⁸	✓
36	-17°	3351	11	11.7	-17	34	8.5	✓
37	-16°	3223	11	10.9	-16	47	8.2	✓
38	-16°	3215	11	8.1	-16	42	8.6	✓
39	-16°	3214	11	7.5	-16	23	8.7	✓
40	-16°	3210	11	7.0	-16	6	7.5	✓
41	-16°	3207	11	6.1	-16	37	8.8	✓
42	-16°	3206	11	5.9	-16	28	8.0	✓
43	-17°	3322	11	5.4	-17	7	8.8	✓
44	-17°	3324	11	5.6	-17	0	9.0	✓
45	-16°	3201	11	5.1	-16	40	8.7	✓
46	-17°	3326	11	6.0	-17	22	8.0	✓
47	-16°	3321	11	5.3	-17	42	5.8	✓
48	-17°	3323	11	5.5	-17	53	8.2	✓
49	-18°	3127	11	5.4	-18	12	8.8	✓
50	-18°	3135	11	7.7	-18	0	8.5	✓
51	-18°	3110	11	1.8	-18	38	6.3	✓
52	-19°	3183	11	1.6	-19	16	8.0	✓
53	-19°	3176	10	59.5	-19	55	8.2	✓
54	-20°	3347	10	59.4	-20	23	7.0	✓

Monday December 15, 1913

B41220 phot.

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

55	-19°	3172	10	58.7	-19	38	8.2	✓
56	-20°	3335	10	57.4	-20	20	8.0	✓
57	-20°	3326	10	55.3	-20	38	7.5	✓
58	-19°	3163	10	54.6	-19	16	8.0	✓
59	-19°	3157	10	53.6	-19	32	8.5	✓
60	-19°	3154	10	53.0	-19	16	8.3	✓
61	-18°	3079	10	53.5	-18	34	7.1	✓
62	-19°	3161	10	54.3	-19	2	8.9	✓
63	-19°	3162	10	54.6	-19	8	9.1	✓
64	-18°	3093	10	56.8	-18	52	6.5	✓
65	-17°	3307	11	1.3	-17	20	8.6	✓
66	-16°	3198	11	2.9	-16	47	8.7	✓
67	-16°	3200	11	3.9	-16	21	7.7	✓
68	-15°	3216	11	3.4	-15	40	8.3	✓
69	-15°	3206	11	1.1	-15	11	7.9	✓
70	-15°	3203	11	0.7	-15	15	8.7	✓
71	-15°	3201	10	0.2	-15	27	9.2	✓
72	-15°	3196	10	59.2	-15	45	7.7	✓
73	-15°	3192	10	58.6	-15	30	8.8	✓
74	-15°	3189	10	57.6	-15	28	8.3	✓
75	-16°	3181	10	57.6	-16	6	8.5	✓
76	-16°	3179	10	56.1	-16	39	9.0	✓
77	-16°	3175	10	55.3	-16	43	9.0	✓
78	-16°	3174	10	54.5	-16	34	8.0	✓
79	-16°	3172	10	54.3	-16	10	7.8	✓
80	-16°	3171	10	54.3	-16	8	8.7	✓
81	-15°	3183	10	55.2	-15	59	8.7	✓

Monday December 15, 1913

B41220 shnd

No.	Int.	Class	Remarks
✓ 82	14	F8	
✓ 83	2	K5	
11.53 ✓ 84	7	F0	
Tues. Dec. 16 '13 ✓ 85	2	G0	
10:05 ✓ 86	2	K0	
✓ 87	2	G0	
✓ 88	4	G5	
✓ 89	4	K2	
✓ 90	7	G3	
✓ 91	1	K0	
✓ 92	4	G2	
✓ 93	3	Ma	
✓ 94	3	K0	
✓ 95	4	F2	
✓ 96	3	G5	
✓ 97	7	K2	
✓ 98	4	G5	
✓ 99	4	K2	
100	8	G3	2.
✓ 101	1	K0	
✓ 102	1	F8	
✓ 103	1	K2	
✓ 104	1	Ma	
✓ 105	2	F8	
✓ 106	2	F8	
✓ 107	2	K0	
✓ 108	1	F8	

82	-15°	3194	¹⁰ 11	59.0	-15	12	8.9	✓
83	-15°	3193	¹⁰ 11	58.9	-15	16	9.1	✓
84	-14°	3289	11	6.8	-14	39	8.0	✓
85	-15°	3223	11	6.4	-15	10	8.6	✓
86	-14°	3281	11	5.4	-14	55	9.1	✓
87	-14°	3282	11	5.4	-14	42	9.3	✓
88	-14°	3286	11	6.3	-14	29	9.0	✓
89	-14°	3288	11	6.5	-14	12	8.6	✓
90	-15°	3227	11	8.4	-15	34	8.1	✓
91	-15°	3231	11	9.9	-15	30	9.0	✓
92	-15°	3238	11	11.1	-15	45	8.6	✓
93	-15°	3241	11	12.0	-15	28	8.2	✓
94	-15°	3242	11	12.5	-15	26	8.4	✓
95	-15°	3236	11	10.8	-15	2	8.5	✓
96	-14°	3297	11	9.9	-14	18	8.6	✓
97	-13°	3334	11	9.6	-13	43	7.8	✓
98	-14°	3305	11	12.5	-14	31	8.8	✓
99	-13°	3347	11	12.9	-13	58	8.7	✓
100	-13°	3353	11	13.9	-13	17	8.0	✓
101	-16°	3222	11	10.8	-16	31	9.0	✓
102	-16°	3229	11	12.3	-16	42	9.1	✓
103	-16°	3232	11	13.2	-16	41	9.1	✓
104	-17°	3353	11	12.6	-17	7	8.5	✓
105	-17°	3363	11	14.9	-17	2	9.1	✓
106	-16°	3237	11	15.5	-16	31	9.0	✓
107	-16°	3247	11	18.4	-16	37	8.9	✓
108	-17°	3373	11	18.0	-17	16	9.3	✓

Tuesday, December 16, 1913

B 41220 short

No.	Int.	Class	Remark
✓ 109	2	K ₂	
✓ 110	1	Q	
✓ 111	2.5	F ₈	
✓ 112	3.5	G ₅	
✓ 113	2.5	G ₅	
✓ 114	2	F ₈	
✓ 115	1	Q ₀	
✓ 116	1	G ₅	
✓ 117	2	G ₅	
✓ 118	1	K ₀	
✓ 119	2	F ₈	
✓ 120	1	K ₀	
✓ 121	1.5	K ₀	
✓ 122	3	F ₈	
✓ 123	2	K ₀	
✓ 124	2	G ₅	
✓ 125	2	K ₀	
✓ 126	2	Q ₀	
✓ 127	1	G	
✓ 128	2	G ₀	
✓ 129	2.5	Q ₂	
✓ 130	1.5	G ₀	
✓ 131	2	K ₀	
✓ 132	2.5	K ₅	
✓ 133	1	Q ₀	
✓ 134	2	K ₂	
✓ 135	1.5	K ₅	

109	-15°	3254	11	15.3	-15	35	8.7	✓
110	-15°	3244	11	12.9	-15	24	9.8	✓
111	-16°	3208	11	6.5	-16	45	9.0	✓
112	-16°	3211	11	7.0	-16	38	8.8	✓
113	-18°	3151	11	11.3	-18	27	9.1	✓
114	-18°	3147	11	10.2	-18	2	8.6	✓
115	-20°	3382	11	8.5	-20	22	9.3	✓
116	-20°	3381	11	8.3	-20	35	9.2	✓
117	-20°	3378	11	7.1	-20	43	9.1	✓
118	-21°	3260	11	4.4	-21	17	9.0	✓
119	-21°	3253	11	3.0	-21	15	9.2	✓
120	-21°	3249	11	2.4	-21	3	9.3	✓
121	-20°	3355	11	1.7	-20	51	9.4	✓
122	-20°	3346	10	59.4	-20	52	8.9	✓
123	-20°	3350	10 11	0.7	-20	2	8.7	✓
124	-20°	3334	10	57.3	-20	9	9.0	✓
125	-19°	3168	10	56.8	-19	58	8.8	✓
126	-19°	3166	10	56.2	-19	52	9.0	✓
127	-19°	3169	10	57.3	-19	36	9.1	✓
128	-18°	3096	10	57.3	-18	53	9.0	✓
129	-19°	3175	10	59.3	-19	7	8.9	✓
130	-18°	3109	10	1.6	-18	25	9.0	✓
131	-18°	3113	11	2.0	-18	4	8.6	✓
132	-17°	3304	11	0.2	-17	1	8.5	✓
133	-17°	3314	11	2.9	-17	39	9.1	✓
134	-17°	3318	11	4.4	-17	52	8.8	✓
135	-16°	3199	11	3.7	-16	54	8.9	✓

Tuesday, December 16, 1913

B41220 short

No.	Int.	Class	Remark
136	1.5	F2	
✓ 137	1	G5	
✓ 138	1.5	F2	
✓ 139	2	G5	
✓ 140	3	F8	
✓ 141	5	G5	
✓ 142	8	G0	
✓ 143	3	K0	
✓ 144	2.5	G0	
✓ 145	3	G5	
✓ 146	4	K0	
✓ 147	3	G0	
✓ 148	2	mc	
✓ 149	1	F2	Partly sup. on 148
✓ 150	10+	K0	
✓ 151	4	G0	
✓ 152	7	K0	
✓ 153	4.5	F2	
✓ 154	2	G5	
✓ 155	4	F2	
✓ 156	5	G5	
✓ 157	3	G0	
✓ 158	3	K2	
✓ 159	2	K0	
✓ 160	4	F2	
✓ 161	4	K0	
✓ 162	7	G2	

136	-15°	3222	11	5.6	-15	58	9.3	✓
137	- 16 ¹⁷ °	3309	11	1.6	- 16 ¹⁷	4	9.4	✓
138	-15°	3209	11	2.7	-15	22	9.4	✓
139	-14°	3269	11	1.7	-14	51	9.5	✓
140	-14°	3268	11	1.5	-14	44	9.1	✓
141	-14°	3266	11	1.4	-14	46	8.6	✓
142	-14°	3263	11	0.2	-14	35	8.2	✓
143	-14°	3262	10	59.9	-14	46	8.3	✓
144	-15°	3197	10	59.4	-15	3	8.8	✓
145	-14°	3260	10	59.6	-14	21	9.1	✓
146	-15°	3187	10	56.4	-15	7	8.6	✓
147	-17°	3282	10	53.6	-17	35	8.7	✓
148	-17°	3281	10	53.4	-17	33	var.	✓
149	-17°	3279	10	53.4	-17	32	8.9	✓
150	-17°	3273	10	52.7	-17	31	4.0	✓
151	-18°	3074	10	52.2	-18	42	8.7	✓
152	-18°	3072	10	51.8	-18	50	6.8	✓
153	-19°	3150	10	51.8	-19	17	8.8	✓
154	-18°	3067	10	50.8	-18	58	9.0	✓
155	-18°	3069	10	51.1	-18	36	8.8	✓
156	-18°	3061	10	49.1	-18	45	8.6	✓
157	-17°	3259	10	49.5	-17	54	8.3	✓
158	-17°	3261	10	49.8	-17	43	8.4	✓
159	-17°	3262	10	49.8	-17	27	8.5	✓
160	-17°	3264	10	50.2	-17	31	8.4	✓
161	-17°	3265	10	50.4	-17	32	8.4	✓
162	-16°	3163	10	52.1	-16	51	7.8	✓

Tuesday, December 16, 1913

B41220 short

	No.	Int.	Class	Remarks
10.24	✓ 163	5	Qo	
11.37	✓ 164	2	Ko	
	✓ 165	2	lys-	
	✓ 166	2	ly	
	✓ 167	2	K2	
	✓ 168	2	K5	
11.38	✓ 169	1	Qo	
	170			
	171			

170 8 Ma

162 ³ -16°	3164	10	52.8	-16	32	8.7 ✓
164 -18°	3056	10	47.8	-18	33	8.7 ✓
165 -18°	3053	10	47.2	-18	25	9.0 ✓
166 -17°	3260	10	49.5	-17	14	9.0 ✓
167 -16°	3162	10	52.1	-16	20	8.6 ✓
168 -15°	3191	10	58.3	-15	56	9.0 ✓
169 -15°	3190	10	58.2	-15	4	9.1 ✓

Identified on cards by Amc. July 30, 1914
 Identified in book by J. B. M. Aug. 3, 1914
 Compared by M. A. He. Aug. 4, 1914

✓ 170 -15° 3174 10 52.4 -15 34 6.5 No. 9 in B/3/30

10:32

Tuesday, December 16, 1913

B 19140 short

8.7.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.	No.	Int.	Class	Remark
	1	7	F8	
	2	3	F5	
	3	1	K2	
	4	5	K0	
	5	2	G0	
	5a	2	F2	
	6	7	K0	
	7	3	K0	
	8	10	F2	
	9	4	Ma	
	10	1	G0	
	11	4	F0	
	12	3	K0	
	13	1	G0	
	14	1	K0	
	15	1	G0	
	16	2	G5	Partly sup. on 17
	17	2	F8	
	18	4	F5	
	19	7	A2	
	20	2	K5	
	21	8	K5	
	22	1	K0	
	23	9	G0	
	24	8	K0	
	25	2	K0	
	26	1	G0	
	27	2	K5	

1	-10°	3189	10	57.7	-10	58.4	8.0	^v
2	-10°	3193	10	58.9	-10	57.9	8.9	^v
3	-11°	3018	10	58.3	-11	22.9	9.0	^v
4	-11°	3022	10	58.7	-11	22.8	8.6	^v
5	-11°	3020	10	58.4	-11	50.2	9.1	^v
5 ²	-12°	3351	11	1.4	-12	6.2	8.0	^v
6	-12°	3347	10	59.3	-12	38.0	9.0	^v -12° 3347 magn. 9.0 superposed.
7	-12°	3343	10	59.0	-12	17.1	8.0	^v
8	-12°	3348	10	59.4	-12	13.1	6.3	^v
9	-11°	3030	10	0.4	-11	48.0	8.2	^v
10	-11°	3035	11	1.1	-11	39.9	9.0	^v
11	-11°	3037	11	1.3	-11	12.9	8.7	^v
12	-11°	3027	10	59.8	-11	9.7	8.6	^v
13	-11°	3026	10	59.6	-11	4.0	9.2	^v
14	-11°	3029	10	0.3	-11	2.7	9.2	^v
15	-10°	3196	10	59.7	-10	32.5	9.3	^v
16	-10°	3199	11	0.2	-10	10.4	9.0	^v
17	-10°	3200	11	0.3	-10	6.1	9.2	^v
18	-10°	3201	11	1.4	-10	24.1	8.8	^v
19	-10°	3204	11	1.8	-10	34.6	8.9	^v -10° 3203 Super. Magn. 9.7
20	-10°	3209	11	2.5	-10	32.1	9.0	^v
21	-10°	3207	11	2.1	-10	53.1	7.7	^v
22	-10°	3205	11	1.9	-10	55.4	9.3	^v
23	-10°	3211	11	2.9	-10	34.0	8.1	^v
24	-10°	3212	11	3.8	-10	28.6	8.5	^v
25	-10°	3217	11	4.0	-10	32.5	9.3	^v
26	-10°	3215	11	3.9	-10	21.0	9.5	^v
27	-10°	3216	11	4.0	-10	11.1	9.1	^v

Tuesday, December 16, 1913

B19140 short

No.	Int.	Class	Remark
28	3	F8	
29	4	F8	
30	2	K2	
31	6	F0	
32	7	F2	
33	7	K0	
34	7	F5	
35	5	K0	
36	8	K2	
37	3	K0	
38	3	K2	
39	3	K2	
40	6	F0	
41	3	F8	
42	8	Ma	
43	5	F5	
44	4	K2	
45	8	A5	
46	8	Ma	
47	2	A5	
48	3	K0	
49	2	K0	
50	1	K5	
51	1	K2	
52	4	F5	Two stars?
53	3	F5	
54	7	K0	

28-9°	3236	11	5.1	-9	50.9	8.7	^v
29-9°	3227	11	4.3	-9	6.4	8.6	^v
30-9°	3229	11	4.6	-9	5.6	8.7	^v
31-9°	3237	11	5.2	-9	11.2	8.7	^v
32-9°	3235	11	5.1	-9	21.3	8.4	^v
33-9°	3238	11	6.6	-9	29.0	8.2	^v
34-9°	3242	11	7.0	-9	3.0	8.5	^v
35-9°	3243	11	7.3	-9	7.0	8.7	^v
36-9°	3247	11	8.6	-9	49.6	7.5	^v
37-9°	3253	11	9.6	-9	37.3	9.0	^v
38-10°	3232	11	10.1	-10	4.8	8.8	^v
39-10°	3234	11	10.3	-10	18.8	9.0	^v
40-10°	3229	11	9.3	-10	41.4	8.9	^v
41-10°	3230	11	10.1	-10	51.9	9.2	^v
42-10°	3227	11	8.1	-10	47.7	7.2	^v
43-10°	3226	11	7.6	-10	26.5	8.6	^v
44-11°	3060	11	7.8	-11	30.2	8.7	^v
45-11°	3062	11	8.3	-11	28.7	8.3	^v
46-11°	3063	11	8.4	-11	47.9	6.5	^v
47-11°	3066	11	8.8	-11	45.7	9.1	^v
48-11°	3068	11	9.5	-11	52.7	8.5	^v
49-12°	3386	11	9.7	-12	16.9	8.6	^v
50-12°	3387	11	9.8	-12	21.4	8.9	^v
51-12°	3391	11	10.8	-12	13.4	8.8	^v
52-12°	3393	11	11.0	-12	35.5	9.0	^v
53-13°	3342	11	11.4	-13	11.0	8.8	^v
54-13°	3350	11	12.9	-13	5.5	7.8	^v

2.750
12 3394 Super. magn. 9.1

Tuesday, December 16, 1913

B19140 short

No.	Int.	Class	Remark
55	$\frac{6}{8}$	$\frac{2K_0}{10}$	
56	3	G5	
57	2	F2	
58	2	G5	
59	7	K0	
60	3	A5	
61	1	K5	
62	9	F0	
63	4	K5	
64	2	K5	
65	3	F5	
66	4	K2	
67	4	A5	
68	5	K0	
69	2	A5	Partly sup. on 68
70	6	F5	
71	5	A5	
72	5	A0	
73	1	G5	
74	2	G5	
75	5	A2	
76	4	F5	
77	2	K5	
78	3	F0	
79	5	K2	
80	9	F8	
81	6	A0	

55	-12°	3353	11	1.7	-12	26.9	8.3	^✓
56	-12°	3357	11	2.7	-12	21.5	9.0	^✓
57	-12°	3358	11	2.9	-12	13.2	9.0	^✓
58	-12°	3359	11	3.1	-12	23.0	9.0	^✓
59	-12°	3362	11	3.6	-12	19.6	7.5	^✓
60	-11°	3046	11	4.8	-11	37.2	9.0	^✓
61	-12°	3368	11	5.1	-12	3.2	9.0	^✓
62	-11°	3051	11	5.7	-11	59.7	7.2	^✓
63	-12°	3376	11	6.8	-12	0.4	8.2	^✓
64	-12°	3381	11	8.0	-12	10.0	8.5	^✓
65	-12°	3380	11	7.9	-12	30.2	9.0	^✓
66	-12°	3349	11	0.0	-12	52.7	8.5	^✓
67	-13°	3304	10	59.6	-13	10.0	8.8	^✓
68	-13°	3298	10	59.0	-13	21.4	8.7	^✓
69	-13°	3297	10	58.9	-13	24.8	9.3	^✓
70	-13°	3300	10	59.4	-13	57.5	8.5	^✓ -14° 3259 Super. Magn. 9.2
71	-13°	3308	11	0.6	-13	51.0	9.0	^✓
72	-13°	3317	11	3.0	-13	31.0	8.6	^✓
73	-13°	3314	11	2.5	-13	49.4	9.2	^✓
74	-14°	3273	11	2.6	-14	5.3	9.2	^✓
75	-14°	3272	11	2.6	-14	18.2	9.0	^✓
76	-14°	3276	11	3.4	-14	7.5	8.8	^✓
77	-14°	3277	11	4.2	-14	11.1	9.0	^✓
78	-14°	3279	11	4.5	-14	2.5	9.2	^✓
79	-13°	3320	11	4.8	-13	20.1	8.2	^✓
80	-13°	3321	11	5.6	-13	8.3	7.2	^✓
81	-13°	3324	11	6.0	-13	0.7	8.7	^✓

Tuesday, December 16, 1913

B19140 short

No.	Int.	Class	Remark
82	1	G5	
83	1	K5	
84	1	K0	
85	3	F5	
86	10+	K0	Classified from trail.
87	1	K2	
88	2	K2	
89	3	K0	
90	7	F5	
91	6	F2	
92	2	K2	
93	1	K0	
94	3	K0	
95	4	K0	
96	9	K0	
97	7	G0	
98	2	K0	
99	7	K0	
100	2	K5	
101	8	F5	
102	1	K	Nearly all surf. on 101
103	10+	K5	Perhaps Ina
104	4	F2	
105	6	K2	
106	5	F2	
107	5	K2	
108	5	K0	

Trail of

82 - 14°	3292	11	7.6 - 14	26.7	9.1	Λ	✓
83 - 14°	3295	11	7.9 - 14	21.5	9.0	Λ	✓
84 - 13°	3330	11	8.5 - 13	9.9	9.2	Λ	✓
85 - 12°	3384	11	9.2 - 12	52.2	9.1	Λ	✓
86 - 13°	3345	11	12.1 - 13	59.9	3.8	Λ	✓
87 - 12°	3401	11	12.4 - 12	39.5	9.1	Λ	✓
88 - 11°	3078	11	13.3 - 11	52.9	8.5	Λ	✓
89 - 11°	3072	11	11.4 - 11	39.6	8.8	Λ	✓
90 - 10°	3239	11	11.6 - 10	58.5	7.9	Λ	✓
91 - 10°	3243	11	12.4 - 10	58.2	8.4	Λ	✓
92 - 10°	3240	11	11.7 - 10	37.5	9.0	Λ	✓
93 - 10°	3242	11	12.3 - 10	25.9	9.1	Λ	✓
94 - 10°	3246	11	12.7 - 10	18.3	8.7	Λ	✓
95 - 9°	3258	11	11.4 - 9	20.0	8.7	Λ	✓
96 - 9°	3265	11	13.2 - 9	30.3	6.3	Λ	✓
97 - 8°	3141	11	13.3 - 8	53.8	8.3	Λ	✓
98 - 10°	3252	11	15.3 - 10	22.8	8.9	Λ	✓
99 - 9°	3274	11	16.5 - 9	37.6	8.2	Λ	✓
100 - 9°	3275	11	16.8 - 9	53.0	8.8	Λ	✓
101 - 10°	3257	11	16.9 - 10	20.0	8.3	Λ	✓
102 - 10°	3258	11	16.9 - 10	15.2	9.2	Λ	✓
103 - 10°	3260	11	17.3 - 10	3.4	4.5	Λ	✓
104 - 10°	3263	11	17.7 - 10	24.8	8.7	Λ	✓
105 - 11°	3085	11	16.1 - 11	18.3	7.9	Λ	✓
106 - 11°	3091	11	18.0 - 11	10.1	8.4	Λ	✓
107 - 11°	3092	11	18.1 - 11	22.4	8.2	Λ	✓
108 - 11°	3090	11	17.7 - 11	45.3	8.3	Λ	✓

Tuesday, December 16, 1913

B19140 short

No	Int.	Class	Remark
109	3	F2	
110	2	F8	
111	2	F8	
112	8	F8	
113	2	F5	
114	6	K0	
115	1	K2	
116	1	K5	
117	2	F5	
118	8	K5	
119	7	K2	
120	4	K2	
121	2	F5	
122	1	K2	
10:50 123	1	K5	
124			
125			
126			
124	8	A5	

109	-12°	3421	11	17.0	-12	6.8	8.5	✓
110	-12°	3417	11	16.0	-12	6.1	8.6	✓
111	-11°	3083	11	15.2	-11	51.4	8.9	✓
112	-11°	3081	11	14.2	-11	54.3	7.7	✓
113	-11°	3079	11	13.6	-11	22.7	8.7	✓
114	-12°	3409	11	14.7	-12	25.1	8.0	✓
115	-12°	3412	11	15.2	-12	28.1	9.2	✓
116	-12°	3420	11	16.8	-12	35.0	8.9	✓
117	-11°	3094	11	18.5	-11	44.5	9.1	✓
118	-12°	3423	11	18.6	-12	57.3	7.0	✓
119	-13°	3365	11	18.4	-13	44.4	7.2	✓
120	-13°	3359	11	15.8	-13	54.0	8.2	✓
121	-13°	3354	11	14.2	-13	54.4	9.1	✓
122	-14°	3307	11	13.6	-14	2.5	9.0	✓
123	-14°	3308	11	14.5	-14	16.5	9.0	✓

Identified by Arne Feb 14, 1914

Checked March 17, 1914 J.D.W.

cards made out by G.C.S.

Cards checked by G.R.B.

✓ 124 -13 3353 11 13.9 -13 17 8.0 100 m Bazzzo

11.04

Wednesday, December 17, 1913

B19017 short

No.	Int.	Class	Remark
✓ 1	7	G ₅	
✓ 2	8	G ₅	
✓ 3	9	F ₂	
✓ 4	2	K ₀	
✓ 5	3	G ₅	
✓ 6	1	K ₀	
✓ 7	5	K ₀	
✓ 8	7	G ₀	
✓ 9	6	F ₈	
✓ 10	10	F ₂	
✓ 11	2	F ₅	
✓ 12	4	K ₀	
✓ 13	5	G ₅	
✓ 14	1	G ₅	
✓ 15	5	G ₃	Perhaps Comp. & band barely seen
✓ 16	4	G ₅	
✓ 17	3	K ₂	
✓ 18	5	F ₀	
✓ 19	5	K ₀	
✓ 20	1	K ₅	
✓ 21	1	K ₂	
✓ 22	4	G ₀	
✓ 23	7	K ₀	
✓ 24	10	G ₅	
✓ 25	3	G ₅	
✓ 26	5	K ₀	
✓ 27	4	G ₅	

1	-11°	2871	10	16.5	-11	45.5	7.6 ✓
2	-12°	3161	10	18.3	-12	1.7	7.5 ✓
3	-12°	3162	10	18.8	-12	24.0	7.3 ✓
4	-11°	2880	10°	19.2	-11	20.2	8.3 ✓
5	-11°	2881	10	19.9	-11	36.3	8.4 ✓
6	-11°	2885	10	21.9	-11	31.9	8.5 ✓
7	-11°	2886	10	22.0	-11	41.6	7.8 ✓
8	-11°	28 ⁸⁹ 90	10	23.2	-11	23.9	8.3 ✓
9	-11°	2893	10	23.9	-11	0.8	8.0 ✓
10	-10°	3076	10	24.8	-10	40.5	7.0 ✓
11	-10°	3078	10	24.9	-10	59.3	9.1 ✓
12	-11°	2898	10	24.9	-11	27.3	8.3 ✓
13	-11°	2904	10	26.0	-11	2.7	8.7 ✓
14	-10°	3079	10	25.0	-10	49.2	9.3 ✓
15	-10°	3083	10	26.2	-10	2.9	8.7 ✓
16	-10°	3084	10	26.3	-10	10.5	9.0 ✓
17	-10°	3085	10	27.0	-10	31.6	8.2 ✓
18	-10°	3086	10	27.2	-10	30.7	9.0 ✓
19	-10°	3089	10	27.4	-10	22.3	8.3 ✓
20	-11°	2911	10	27.1	-11	6.8	8.6 ✓
21	-11°	2913	10	27.8	-11	2.1	9.0 ✓
22	-11°	2912	10	27.6	-11	28.3	9.0 ✓
23	-11°	2916	10	28.8	-11	9.6	7.8 ✓
24	-10°	3094	10	30.0	-10	59.9	6.8 ✓
25	-10°	3096	10	30.1	-10	45.5	8.5 ✓
26	-10°	3099	10	30.2	-10	17.3	8.4 ✓
27	-10°	3100	10	30.5	-10	17.8	8.3 ✓

Wednesday December 17, 1913
B 19017 short

No.	Int.	Class	Remark
✓ 28	7	A ₂	
✓ 29	8	B ₀	
✓ 30	3	M ₁	
✓ 31	8	K ₀	
✓ 32	1	K ₂	
✓ 33	10+	B ₂	Burned out
✓ 34	1	K	
✓ 35	9	F ₀	
✓ 36	1	K ₀	
✓ 37	5	K ₀	
✓ 38	1	A ₀	
✓ 39	9	F ₅	
✓ 40	4	K ₀	
✓ 41	4	K ₂	
✓ 42	1	K	
✓ 43	1	F ₈	
✓ 44	6	F ₂	
✓ 45	5	K	0, 6, 10
✓ 46	6	A ₀	
✓ 47	2.5	B ₀	
✓ 48	10+	A	Burned out
✓ 49	8	A ₁	
✓ 50	3	A ₂	
✓ 51	5	F ₅	
✓ 52	3	K ₂	
✓ 53	3	B?	nearly all sup. on 54
✓ 54	5	F ₈	

28	-10°	3103	10	30.9	-10	27.7	8.6 ✓
29	-10°	3102	10	30.8	-10	45.5	8.0 ✓
30	-11°	2922	10	30.7	-11	16.2	9.1 ✓
31	-11°	2921	10	30.3	-11	38.7	7.2 ✓
32	-11°	2919	10	29.9	-11	33.3	9.1 ✓
33	-11°	2918	10	29.3	-11	27.4	5.7 ✓
34	-11°	2914	10	28.2	-11	59.7	9.0 ✓
35	-12°	3205	10	28.2	-12	6.2	7.0 ✓
36	-12°	3206	10	28.3	-12	8.2	9.1 ✓
37	-12°	3208	10	28.5	-12	15.1	8.0 ✓
38	-12°	3209	10	28.6	-12	13.8	9.4 ✓
39	-13°	3165	10	28.6	-13	12.1	7.7 ✓
40	-13°	3170	10	29.4	-13	5.5	8.6 ✓
41	-13°	3172	10	29.6	-13	19.1	8.5 ✓
42	-13°	3171	10	29.5	-13	23.6	9.2 ✓
43	-12°	3213	10	29.5	-12	43.4	9.0 ✓
44	-12°	3214	10	29.7	-12	47.2	8.5 ✓
45	-12°	3218	10°	30.4	-12	38.1	var. ✓
46	-12°	3219	10	30.8	-12	11.5	8.0 ✓
47	-12°	3222	10	30.9	-12	12.1	9.1 ✓
48	-11°	2925	10	31.7	-11	41.2	6.5 ✓
49	-12°	3228	10	32.5	-12	14.5	7.5 ✓
50	-12°	3230	10	33.0	-12	39.0	8.6 ✓
51	-12°	3233	10	33.3	-12	31.4	8.2 ✓
52	-12°	3235	10	33.4	-12	45.2	8.7 ✓
53	-12°	3236	10	33.8	-12	20.3	9.0 ✓
54	-12°	3237	10	33.8	-12	22.8	8.0 ✓

Wednesday, December 17, 1913
B19017 short

No.	Int.	Class	Remark
✓ 55	4	F8	
✓ 56	3	Q ₀	
✓ 57	4	Q ₃	
✓ 58	6	Q ₀	
✓ 59	2	Q ₀	
✓ 60	7	Q ₀	
✓ 61	7	G ₅	
✓ 62	9	Q	
✓ 63	2	Q ₀	
✓ 64	1	F ₅	
✓ 65	10	G ₀	
✓ 66	8	K ₂	
✓ 67	6	F ₂	
✓ 68	3	F ₀	
✓ 69	1	K	
✓ 70	2	G ₀	
✓ 71	2	G ₅	
✓ 72	3	K ₀	
✓ 73	1 x	K ₀	
✓ 74	1	K ₅	
✓ 75	5	K ₂	
✓ 76	2	Q ₀	
✓ 77	1	F ₅	
✓ 78	1	K ₅	
✓ 79	10+	Q	Burned out
✓ 80	2	F ₈	
✓ 81	2	F ₈	

55	-11°	2929	10	33.8	-11	26.7	8.5	✓
56	-10°	3114	10	34.4	-10	39.6	9.0	✓
57	-10°	3112	10	33.8	-10	13.3	8.3	✓
58	-10°	3119	10	36.0	-10	18.0	8.3	✓
59	-9°	3130	10	37.3	-9	58.7	8.9	✓
60	-10°	3122	10	37.5	- ¹⁰ 9	9.0	8.0	✓
61	-10°	3125	10	38.5	- ¹⁰ 9	6.2	8.0	✓
62	-9°	3134	10	38.6	-9	57.1	7.1	✓
63	-11°	2937	10	38.3	-11	5.5	9.0	✓
64	-12°	3243 3239	10	34.7 33.8	-12	37.5 34.9	9.4	✓
65	-13°	3196	10	35.0	-13	1.6	7.0	✓
66	-13°	3197	10	35.4	-13	13.1	6.2	✓
67	-13°	3188	10	34.0	-13	36.2	7.8	✓
68	-13°	3187	10	33.6	-13	26.6	8.8	✓
69	-13°	3185	10	33.2	-13	29.0	9.0	✓
70	-13°	3183	10	32.4	-13	22.7	8.8	✓
71	-13°	3182	10	32.1	-13	45.2	9.0	✓
72	-13°	3180	10	31.3	-13	21.3	8.7	✓
73	-12°	3224	10	31.5	-12	59.9	8.8	✓
74	-13°	3130	10	22.0	-13	3.4	8.6	✓
75	-13°	3129	10	21.7	-13	43.4	8.0	✓
76	-13°	3131	10	22.3	-13	31.6	8.8	✓
77	-13°	3133	10	23.0	-13	39.0	9.1	✓
78	-13°	3135	10	23.1	-13	52.3	8.7	✓
79	-12°	3181	10	23.9	-12	50.6	6.0	✓
80	-12°	3184	10	24.2	-12	21.5	8.8	✓
81	-12°	3192	10	25.7	-12	22.8	8.9	✓

Wednesday, December 17, 1913
 B 19017 short

No.	Int.	Class	Remark
✓ 82	8	K ₂	
✓ 83	2	G ₀	
✓ 84	1	F ₈	
✓ 85	3	F ₈	
✓ 86	2	G ₀	
✓ 87	1.5	K ₀	
✓ 88	5	K ₀	
✓ 89	3	K ₂	
✓ 90	10	G ₀	
✓ 91	1	G ₀	
✓ 92	1	K ₅	
✓ 93	1	K ₅	
✓ 94	1	F ₈	
✓ 95	6	K ₀	
✓ 96	4	F ₅	
✓ 97	7	K ₀	
✓ 98	4	K ₂	
✓ 99	3	F ₅	
11:19 ✓ 100	3	K ₂	
11:20 ✓ 101	1	K ₅	
✓ 102	3.5	K ₀	The northern of two
✓ 103	2	K	Almost all sup. on 102
✓ 104	3	K ₂	
✓ 105	3	K ₅	
✓ 106	2	G ₅	
✓ 107	3	F ₈	
✓ 108	1	K ₂	

82	-12°	3194	10	26.1	-12	39.4	6.8✓
83	-13°	3145	10	25.9	-13	16.2	8.8✓
84	-13°	3157	10	27.2	-13	6.4	9.1✓
85	-13°	3156	10	27.2	-13	21.8	8.8✓
86	-13°	3160	10	27.7	-13	32.8	9.0✓
87	-13°	3161	10	27.8	-13	2.0	9.1✓
88	-14°	3138	10	26.0	-14	0.6	8.3✓
89	-13°	3143	10	25.3	-13	38.4	8.4✓
90	-14°	3134	10	24.5	-14	8.8	6.8✓
91	-13°	3158	10	27.5	-13	50.4	9.0✓
92	-13°	3159	10	27.6	-13	57.4	8.8✓
93	-14°	3146	10	28.0	-14	9.4	8.9✓
94	-14°	3149	10	29.1	-14	29.6	8.9✓
95	-14°	3151	10	29.7	-14	40.0	8.4✓
96	-15°	3088	10	29.3	-15	27.1	8.7✓
97	-14°	3156	10	31.7	-14	59.0	7.5✓
98	-14°	3161	10	33.7	-14	27.5	8.0✓
99	-15°	3106	10	33.8	-15	1.2	8.6✓
100	-14°	3164	10	34.6	-14	55.4	8.1✓
101	-14°	3165	10	35.0	-14	36.6	8.7✓
102	-13°	3193	10	34.7	-13	57.5	9.1✓
103	-13°	3191	10	34.6	-13	58.8	9.1✓
104	-13°	3201	10	35.9	-13	59.1	8.5✓
105	-14°	3169	10	36.7	-14	2.1	8.7✓
106	-13°	3205	10	36.8	-13	46.1	9.1✓
107	-14°	3170	10	37.0	-14	25.4	8.8✓
108	-13°	3204	10	36.7	-13	6.6	9.1✓

Wednesday, December 17, 1913
B19017 short

No.	Dnt.	Class	Remark
✓ 109	1	Q ₂	
✓ 110	1	K ₅	
✓ 111	3	Q ₀	
✓ 112	10	Q ₀	
✓ 113	1	K ₀	
✓ 114	3	K ₀	
11:27 ✓ 115	6	Q ₅	
12:05 ✓ 116	3	K ₀	
Amc ✓ 117	3	Ma	
✓ 118	1	F ₈	
✓ 119	1	F ₈	
✓ 120	2	F ₂	
✓ 121	1	K ₂	
✓ 122	2	K ₂	
✓ 123	3	K ₅	
✓ 124	2	F ₈	
✓ 125	2	Q ₅	
✓ 126	5	Q ₅	
✓ 127	1	F ₅	
✓ 128	1	K ₂	
✓ 129	1	F ₀	
✓ 130	1 o.p.	K ₀	
✓ 131	2	Q ₅	
✓ 132	2	K ₂	
✓ 133	2	K ₀	
✓ 134	1	K ₂	
✓ 135	3	K ₀	

109	-12°	3251	10	36.7	-12	21.7	9.4	✓
110	-12°	3252	10	37.0	-12	1.7	8.8	✓
111	-12°	3258	10	38.5	-12	51.6	9.0	✓
112	-12°	3264	10	39.2	-12	41.8	7.0	✓
113	-12°	3265	10	39.4	-12	47.9	9.0	✓
114	-13°	3213	10	39.6	-13	19.0	8.6	✓
115	-13°	3214	10	40.3	-13	12.9	8.1	✓
116	-14°	3175	10	39.1	-14	22.6	8.5	✓
117	-15°	3111	10	35.0	-15	20.0	8.3	✓
118	-15°	3080	10	27.7	-15	11.4	9.0	✓
119	-15°	3082	10	28.2	-15	20.0 ³	8.3 ^{9.0}	✓
120	-15°	3067	10	22.1	-15	2.1	9.1	✓
121	-15°	3066	10	21.9	-15	24.7	9.1	✓
122	-15°	3065	10	21.5	-15	25.1	8.7	✓
123	-14°	3123	10	20.6	-14	43.7	8.7	✓
124	-14°	3119	10	19.1	-14	14.3	8.9	✓
125	-14°	3118	10	18.8	-14	18.8	9.1	✓
126	-14 ⁴ °	3116	10	18.3	-14	17.9	8.3	✓
127	-12°	3172	10	20.8	-12	57.9	9.1	✓
128	-12°	3169	10	20.6	-12	55.3	9.1	✓
129	-12°	3171	10	20.8	-12	46.5	9.3	✓
130	-12°	3160	10	18.3	-12	24.0	9.0	✓
131	-12°	3158	10	17.3	-12	21.9	8.8	✓
132	-12°	3154	10	16.9	-12	35.3	8.5	✓
133	-12°	3155	10	16.9	-12	56.4	8.7	✓
134	-12°	3152	10	16.3	-12	52.0	9.1	✓
135	-12°	3148	10	15.2	-12	56.8	8.7	✓

Wednesday December 18⁷, 1913

B. 19017 short.

No.	Sid.	class	Remarks
✓ 136	3	F8	
✓ 137	2	K2	
✓ 138	3	K0	
✓ 139	2	F5	
✓ 140	2	F8	
✓ 141	1	G5	
✓ 142	2	K5	
✓ 143	3	G5	
✓ 144	2	G5	
✓ 145	3	K0	
✓ 146	1	K0	
✓ 147	2	K0	Another star super. at north]
12, 12 ✓ 148	1	K5	Perhaps Ma
✓ 149	10	K5	
150			

136	-13°	3108	10	17.2	-13	53.4	8.9	✓
137	-14°	3109	10	16.8	-14	32.1	8.9	✓
138	-15°	3043	10	16.0	-15	26.6	8.7	✓
139	-15°	3042	10	15.7	-15	19.9	9.0	✓
140	-14°	3104	10	16.1	-14	55.3	9.1	✓
141	-14°	3103	10	16.0	-14	41.1	9.1	✓
142	-14°	3097	10	14.7	-14	28.1	8.6	✓
143	-13°	3095	10	13.7	-13	52.3	8.8	✓
144	-13°	3094	10	13.4	-13	45.3	8.9	✓
145	-13°	3092	10	13.3	-13	3.6	8.7	✓
146	-12°	3142	10	13.1	-12	44.8	9.0	✓
147	-12°	3196	10	26.1	-12	18.7	9.3	✓ -12° 3195 not found 9.2
148	-11°	2906	10	26.2	-11	43.3	8.5	✓
149	-15°	3087	10	29.2	-15	35.8	6.3	✓

Identified on cards by RMC May 1914

Identified in book by JGM May 13, 1914

Identification compared cards & book, by G.R.B.

11:30

Wednesday, December 17, 1913

B13409 short

No.	Int.	Class	Remark
✓ 1	9	Q3	
✓ 2	8	K0	
✓ 3	2	F8	
✓ 4	5	G5	
✓ 5	4	F0	
✓ 6	2	F0	
✓ 7	2	K0	
✓ 8	1	F8	
✓ 9	4	Q0	
✓ 10	3	F2	
✓ 11	2	K5	
✓ 12	8	G5	
✓ 13	3	Q0	
✓ 14	4	F5	
✓ 15	1	F2	
✓ 16	4	K5	
✓ 17	2	K0	
✓ 18	3	K0	
✓ 19	3	F5	
✓ 20	1	K0	
✓ 21	1	K2	
✓ 22	4	F0	
✓ 23	9	Q0	
✓ 24	7	Q2	
✓ 25	2	Mat	
✓ 26	3	K0	
✓ 27	3	K3	

1	-10°	3190	10	58.3	-10	17.9	6.8	
	-8°	2997	10	38.9	-8	57.2	8.2	✓
2	-10°	3184	10	56.0	-10	30.9	6.0	✓
3	-11°	3004	10	54.9	-11	41.0	8.4	✓
4	-11°	3001	10	54.1	-11	17.1	6.0	✓
5	-11°	2995	10	53.6	-11	18.0	6.0	✓
6	-11°	2991	10	53.0	-11	22.0	8.3	✓
7	-11°	2993	10	53.1	-11	0.3	8.0	✓
8	-10°	3176	10	53.7	-10	41.4	8.8	✓
9	-11°	2996	10	53.6	-11	46.3	7.3	✓
10	-11°	²⁹⁹⁴ 3174	10	53.5	-11	51.6	7.7	✓
11	-11°	3002	10	54.2	-11	58.4	8.0	✓
12	-12°	3333	10	56.4	-12	39.4	7.0	✓
13	-13°	3291	10	57.9	-13	26.4	9.0	✓
14	-14°	3255	10	57.4	-14	8.3	8.5	✓
15	-13°	3283	10	54.8	-13	42.5	9.0	✓
16	-13°	3271	10	53.0	-13	18.3	6.5	✓
17	-13°	3265	10	52.2	-13	23.8	8.4	✓
18	-12°	3321	10	52.9	-12	33.4	8.0	✓
19	-11°	2983	10	51.0	-11	37.2	8.5	✓
20	-11°	2981	10	50.4	-11	23.0	8.5	✓
21	-10°	3165	10	51.2	-10	38.3	8.7	✓
22	-10°	3159	10	50.3	-10	18.6	8.2	✓
23	-9°	3182	10	52.0	-9	33.1	6.8	✓
24	-8°	3062	10	53.1	-8	42.7	7.3	✓
25	-8°	3066	10	54.0	-8	59.6	7.3	✓
26	-9°	3193	10	54.8	-9	4.5	7.8	✓
27	-9°	3195	10	55.2	-9	12.7	7.0	✓

-13° 3282 10 54.7-13 43.6
9.3 superposed.

Wednesday, December 17, 1913
B 13409 short

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

28	-9°	3174	10	49.8	11.3	8.3	✓
		4270	15	50.8	93.8	93	✓
29	-9°	3172	15	49.1	51.0	8.0	✓
		4265	15	49.1	7.6	8.0	✓
30	-10°	3152	10	48.8	5.0	8.0	✓
		491	10	48.8	36.1	8.0	✓
31	-9°	3167	10	47.6	18.8	8.0	✓
		4717	10	47.1	9.2	8.8	✓
32	-9°	3163	10	46.1	59.0	8.5	✓
		4705	10	46.1	30.9	8.0	✓
33	-10°	3139	10	45.8	20.4	7.0	✓
		481	10	45.8	4.0	8.7	✓
34	-10°	3143	10	45.5	39.2	7.5	✓
		483	10	46.7	6.5	8.6	✓
35	-10°	3149	10	47.4	45.7	8.2	✓
		487	10	47.2	33.6	9.4	✓
36	-10°	3153	10	48.2	54.5	8.5	✓
		491	10	48.2	36.1	8.8	✓
37	-11°	2975	10	48.0	21.1	7.6	✓
		4002	10	48.7	6.8	8.7	✓
38	-11°	2970	10	46.7	39.8	6.8	✓
		493	10	47.2	21.1	8.3	✓
39	-12°	3306	10	49.2	1.4	8.6	✓
		359	10	49.9	23.0	9.1	✓
40	-12°	3298	10	48.8	39.6	8.5	✓
		354	10	48.8	14.9	9.6	✓
41	-12°	3293	10	47.1	59.4	6.3	✓
42	-12°	3280	10	44.2	9.4	8.0	✓
43	-13°	3230	10	44.1	1.9	8.5	✓
44	-13°	3223	10	42.8	15.4	8.7	✓
45	-13°	3218	10	41.1	51.5	9.1	✓
46	-14°	3190	10	40.9	11.8	8.5	✓
47	-12°	3264	10	39.2	41.8	7.0	✓
48	-11°	2941	10	39.9	14.9	8.5	✓
49	-11°	2950	10	41.0	21.9	8.6	✓
50	-11°	2949	10	40.9	24.0	8.1	✓
51	-11°	2957	10	42.3	11.6	8.2	✓
52	-10°	3133	10	42.5	20.9	8.7	✓
53	-9°	3148	10	42.6	29.2	8.4	✓
54	-9°	3147	10	42.5	4.7	5.3	✓

-13° 3219, 10 41.1-13 9.1 superposed.

Wednesday, December 17, 1913
B13409 short

No	Int.	Class	Remark
✓ 55	2	K ₂	
✓ 56	2	Q ₀	
✓ 57	3	K ₀	
✓ 58	4	K ₀	
✓ 59	5	K ₀	
✓ 60	2	K ₀	Partly sup. on 61
✓ 61	10	Q ₂	
✓ 62	5	Q ₂	
✓ 63	2	Ma	
11:39 ✓ 64	1	K ₂	Σ.

65
66
67

65 3 25

55	- 8°	3141	10	40.8	9	12.6	8.2	✓
		3006	10	40.8	-8	44.3	8.5	
56	- 8°	3003	10	40.4	-8	44.3	8.5	✓
57	- 8°	2999	10	39.6	-8	37.8	7.8	✓
58	- 8°	2997	10	38.9	-8	57.2	8.2	✓
		3010	10	41.7	-8	20.0	7.3	
59	- 8°	3017	10	58.9	-8	13.4	7.8	✓
		3017	10	41.3	-8	13.4	7.8	
60	- 8°	3021	10	41.7	-8	6.7	8.3	✓
		3018	10	43.0	-8	7.2	5.2	
61	- 8°	3018	10	43.0	-8	7.2	5.2	✓
		3021	10	43.7	-8	6.7	8.3	
62	- 8°	3024	10	59.9	-8	20.5	9.1	✓
		3025	10	44.4	-8	5.7	8.2	
63	- 8	3025	10	21.3	-8	5.7	8.2	✓
		3029	10	45.9	-8	34.6	8.2	
64	- 8	3033	10	45.9	-8	31.2	9.3	✓

Identified on cards by Amc. May 22, 1914

Those already identified here checked or corrected
 & the rest identified - June 29 1914 J.W.

Identification compared cards + book, by E.R.B.

✓ 65-12 3236 10 33.8 -12 20 9.0 5.3 in B18017

Wednesday December 18⁷, 1913

B13136 phot.

11.47

No.	Int.	Class	Remark
1	5	G5	
2	1	G5	
3	3	A0	
4	10+	G5	Burned out.
5	2	K0	
6	6	A2	
7	5	F5	
8	6	A5	
9	4	A0	
10	2	M0	
11	4	A3	
12	6	G5	
13	2	K0	
14	3	K2	
15	5	G5	
16	4	G5	
17	3	A0	
18	1	G0	
19	5	K0	
20	3	G5	
21	5	F5	
22	10+	K5	Burned out.
23	8	A0	
24	4	K0	
25	4	A2	
26	3	P	
27	5	F5	

1	-15°	3103	10	33.1	-15	37.0	8.2	✓
2	-15°	3101	10	32.9	-15	34.2	8.7	✓
3	-15°	3099	10	32.4	-15	59.1	8.9	✓
4	-16°	3100	10	31.5	-16	7.4	5.2	✓
5	-16°	3101	10	31.8	-16	28.8	8.8	✓
6	-16°	3103	10	32.1	-16	49.2	8.4	✓
7	-16°	3200	10	31.5	-17	8.0	8.0	✓
8	-16°	3097	10	30.9	-16	59.0	8.0	✓
9	-17°	3197	10	30.6	-17	4.2	8.5	✓
10	-16°	3090	10	28.7	-16	37.5	8.2	✓
11	-16°	3088	10	28.3	-16	26.8	8.0	✓
12	-16°	3078	10	25.6	-16	12.7	7.4	✓
13	-16°	3075	10	24.5	-16	20.0	7.8	✓
14	-15°	3069	10	23.2	-15	56.3	8.0	✓
15	-15°	3063	10	21.2	-15	32.9	8.0	✓
16	-15°	3062	10	20.8	-15	10.5	7.8	✓
17	-16°	3064	10	21.2	-16	20.7	9.0	✓
18	-16°	3063	10	20.7	-16	33.5	9.0	✓
19	-16°	3060	10	20.3	-16	41.0	8.0	✓
20	-15°	3060	10	19.7	-15	37.8	8.3	✓
21	-15°	3055	10	18.9	-15	54.0	8.3	✓
22	-16°	3052	10	19.1	-16	5.6	4.0	✓
23	-17°	3153	10	20.4	-17	32.7	7.0	✓
24	-17°	3150	10	20.1	-17	30.9	7.3	✓
25	-17°	3145	10	18.8	-17	41.9	8.3	✓
26	-17°	3140	10	17.8	-17	54.5	neb.	✓
27	-18°	2927	10	17.7	-18	21.7	8.0	✓

ag. 69.1
~~16° 3102 superfund~~

Wednesday December 17, 1913

B13/36 short.

No.	Int.	Class	Remarks
28	8	A0	
29	4	G5	
30	8	B5	
31	8	F5	
32	1	K2	
33	3	A	Partly superposed on 34.
34	4	A2	
35	2	G5	
36	3	K0	
37	1	A0	
38	1	K5	
39	2	G5	
40	1	K	Partly super. on 39
41	2	F0	
42	1	G	
43	2	K0	
44	3	A0	
45	8	A0	
46	4	F8	
47	3	A2	
48	2	A0	
49	2	K0	
50	2	K2	
51	1	A00	
52	3	G5	
53	1	F8	
54	2	G0	

28	-18°	2930	10	18.6	-18	51.8	7.5 ✓
29	-19°	3005	10	18.3	-19	4.1	8.1 ✓
30	-17°	3133	10	15.0	-17	18.3	7.2 ✓
31	-17°	3129	10	14.1	-17	15.0	6.0 ✓
32	-16°	3057	10	19.9	-16	52.3	8.8 ✓
33	-16°	3056	10	19.5	-16	57.5	8.8 ✓
34	-17°	3147	10	19.5	-17	2.7	8.9 ✓
35	-17°	3146	10	19.3	-17	0.9	8.3 ✓
36	-16°	3045	10	17.2	-16	42.2	8.5 ✓
37	-15°	3051	10	18.0	-15	50.2	9.0 ✓
38	-16°	3112	10	35.6	-16	48.4	8.5 ✓
39	-16°	3108	10	35.1	-16	33.7	8.6 ✓
40	-16°	3109	10	35.2	-16	29.5	9.0 ✓
41	-16°	3104	10	32.9	-16	44.3	9.1 ✓
42	-17°	3202	10	32.0	-17	28.7	8.8 ✓
43	-17°	3203	10	32.2	-17	41.3	8.5 ✓
44	-17°	3192	10	29.7	-17	38.1	8.8 ✓
45	-17°	3187	10	28.6	-17	49.2	6.6 ✓
46	-18°	2960	10	25.7	-18	27.2	8.2 ✓
47	-18°	2959	10	25.4	-18	18.2	8.3 ✓
48	-18°	2956	10	24.9	-18	23.2	8.9 ✓
49	-18°	2954	10	24.0	-18	11.9	8.2 ✓
50	-18°	2949	10	22.9	-18	11.8	8.3 ✓
51	-17°	3166	10	24.2	-17	40.5	9.0 ✓
52	-17°	3161	10	22.6	-17	30.1	8.3 ✓
53	-17°	3164	10	23.3	-17	7.0	9.0 ✓
54	-16°	3072	10	24.0	-16	50.6	8.7 ✓

Wednesday December 19, 1912

B13136 phot.

No.	Int.	class	Remarks
55	4	G5	[Another star super N.f.]
56	1	G0	
57	1	K0	Partly super. on 58.
58	2	G5	
59	1	G0	
60	2	G5	
61	1	F8	
62	7	A2	
63	1	F8	
64	2	K2	
65	1	F5	
66	2	A2	
12.00 67	1	K2	
68			
69			
70			

55	-17°	3177	10	26.8	-17	5.0	8.2	✓	-17° 3179 ^{8.8} superposed
56	-18°	3017	10	38.3	-18	56.2	8.5	✓	
57	-18°	3018 ²⁰	10	38.8 ⁹	-18	53.0	8.4	✓	
		3018		38.8		56.6	8.8		
58	-18°	3018	10	38.8	-18	56.6	8.8	✓	
59	-19°	3097	10	39.0	-19	6.0	8.5	✓	
60	-18°	3022 ⁵	10	39.6	-18	57.1	8.8	✓	
		3022		39.4		59.9	7.0		
61	-19°	3101	10	39.9	-19	6.9	8.9	✓	
62	-19°	3080	10	35.4	-19	50.4	7.5	✓	
63	-18°	2997	10	33.5	-18	50.5	8.7	✓	
64	-18°	2989	10	31.8	-18	50.8	8.3	✓	
65	-18°	2990	10	31.9	-18	22.1	8.8	✓	
66	-18°	2982	10	30.5	-18	36.3	8.3	✓	
67	-18°	2995	10	33.2	-18	2.0	8.6	✓	

Identified by JCM Jan. 27, 1914
 Checked by AMC. Jan. 31, 1914
 Cards made out by G.R.B.
 Cards checked by Amb.

10.00

Thursday, December 18, 1913

B40313 short

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

+							
1	2	-19° 3012	10	19.7 -19	43	8.7	✓
2	3	-19° 3006	10	18.9 -19	35	7.7	✓
3	4	-19° 3007	10	18.9 -19	15	9.2	✓
4	5	-19° 3008	10	19.1 -19	3	8.9	✓
5	6	-19° 3008 ¹	10	17.5 -19	14	8.8	✓
6	7	-19° 2999	10	17.2 -19	3	8.7	✓
7	8	-19° 2996	10	16.8 -19	11	8.8	✓
8	9	-19° 2994	10	16.7 -19	30	8.2	✓
9	10	-18° 2917 ¹⁸	10	16.2 -18	59	9.0	✓
10		-18° 2914	10	15.8 -18	42	8.3	✓
11		-18° 2905	10	14.9 -18	43	9.1	✓
12		-19° 2987	10	15.3 -19	8	6.5	✓
13		-19° 2986	10	15.1 -19	50	7.5	✓
14		-19° 2988	10	15.2 -19	57	8.5	✓
15		-20° 3162	10	15.3 -20	33	7.8	✓
16		-20° 3156	10	14.3 -20	20	9.0	✓
17		-20° 3157	10	14.4 -20	9	8.7	✓
18		-19° 2977	10	12.6 -19	47	9.0	✓
19		-19° 2976	10	12.5 -19	17	9.0	✓
20		-19° 2974	10	12.1 -19	35	8.5	✓
21		-18° 2889	10	10.6 -18	46	8.7	✓
22		-18° 2890	10	11.0 -18	14	8.8	✓
23		-17° 3113	10	11.4 -17	54	9.5	✓
24		-17° 3116	10	12.0 -17	23	8.3	✓
25		-18° 2894	10	12.4 -18	4	8.4	✓
26		-18° 2900	10	13.5 -18	14	8.4	✓
27		-18° 2902	10	13.8 -18	19	7.7	✓

Thursday, December 18, 1913
 B40813 short

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

28	-18°	2899	10	13.4	-18	25	9.1	✓
29	-18°	2801	10	13.7	-18	4	9.1	✓
30	-17°	3132	10	14.8	-17	57	9.2	✓ v.
31	-17°	3131	10	14.7	-17	50	9.1	✓
32	-17°	3124	10	13.2	-17	28	9.2	✓
33	-17°	3123	10	12.9	-17	⁶ 27	9.3	✓
34	-16°	3018	10	12.4	-16	45	8.6	✓
35	-16°	3017	10	12.3	-16	42	9.2	✓
36	-16°	3013	10	10.6	-16	49	8.0	✓
37	-17°	3110	10	10.2	-17	0	9.0	✓
38	-17°	3109	10	10.2	-17	5	9.3	✓
39	-17°	3107	10	10.0	-17	1	9.1	✓
40	-17°	3106	10	9.8	-17	35	8.2	✓
41	-17°	3112	10	10.7	-17	45	8.9	✓
42	-17°	3105	10	9.7	-17	57	9.2	✓
43	-17°	3103	10	9.2	-17	59	8.8	✓
44	-17°	3102	10	9.1	-17	57	9.1	✓
45	-18°	2879	10	8.7	-18	13	8.3	✓
46	-17°	3100	10	8.8	-17	42	8.9	✓
47	-17°	3099	10	7.9	-17	24	8.9	✓
48	-17°	3095	10	7.3	-17	19	9.1	
49	-17°	3094	10	7.3	-17	11	8.6	✓
50	-17°	3092	10	6.2	-17	⁵³ 55	9.8	✓
51	-17°	3093	10	6.8	-17	52	9.3	✓
52	-18°	2872	10	6.8	-18	27	8.8	✓
53	-18°	2870	10	5.7	-18	26	6.8	✓
54	-18°	2869	10	5.7	-18	39	9.0	✓

Thursday, December 18, 1913

B 403/3 short

No	Int.	Class	Remark
✓ 55	5	F ₅	
✓ 56	1	F ₀	
✓ 57	3	A ₂	
✓ 58	7	K ₀	
✓ 59	2	F ₅	
✓ 60	1	F ₀	
✓ 61	1	K ₀	
✓ 62	3	K ₀	
✓ 63	10	A ₂	
✓ 64	10	F ₅	
✓ 65	5	A ₅	
✓ 66	7	K ₅	
✓ 67	8	A ₂	
✓ 68	1	A ₅	
✓ 69	2	A ₀	
✓ 70	2	F ₈	
✓ 71	4	K ₀	
✓ 72	4	F ₅	
✓ 73	2	F ₀	
✓ 74	2	K ₀	
✓ 75	1	A ₃	
✓ 76	1	G ₅	
✓ 77	8	M _a	
✓ 78	1	F ₈	
✓ 79	1	K ₀	
✓ 80	7	F ₀	
✓ 81	3	K ₂	

55	-18° 2866	10	5.4	-18	50	8.2	✓
56	-19° 2944	10	5.1	-19	8	9.2	✓
57	-19° 2947	10	5.6	-19	6	9.0	✓
58	-18° 2871	10	6.1	-18	58	7.0	✓
59	-19° 2950	10	6.4	-19	15	9.0	✓
60	-19° 2953	10	7.2	-19	1	9.3	✓
61	-19° 2959	10	8.6	-19	11	9.2	✓
61	-18° 2879	10	8.7	-18	13	8.3	✓
62	-19° 2960	10	8.8	-19	7	9.0	✓
63	-18° 2885	10	9.6	-18	35	7.0	✓
64	-19° 2964	10	9.9	-19	57	6.6	✓
65	-19° 2965	10	9.9	-19	46	8.7	✓
66	-20° 3145	10	11.0	-20	18	7.0	✓
67	-20° 3143	10	10.8	-20	52	7.0	✓
68	-19° 2968	10	10.9	-19	44	9.2	✓
69	-20° 3126	10	5.9	-20	4	9.4	✓
70	-20° 3123	10	4.9	-20	17	8.9	✓
71	-20° 3124	10	5.1	-20	34	8.0	✓
72	-20° 3120	10	4.3	-20	6	8.4	✓
73	-19° 2938	10	4.1	-19	56	8.5	✓
74	-19° 2939	10	4.3	-19	31	8.6	✓
75	-19° 2940	10	4.4	-19	44	9.5	✓
76	-19° 2937	10	4.1	-19	14	8.8	✓
77	-18° 2861	10	4.4	-18	14	7.0	✓
78	-18° 2855	10	3.8	-18	14	9.2	✓
79	-18° 2856	10	3.8	-18	0	9.0	✓
80	-17° 3078	10	3.7	-17	53	7.5	✓
80					57	9.2	✓
81	-18° 2853	10	3.5	-18	9	8.3	✓

Thursday, December 18, 1913

BH0813 short

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

82	-19° 2926	10	1.5	-19	2	7.2	✓
83	-18° 2848	10	1.2	-18	57	8.0	✓
84	-19° 2918	10	0.5	-19	0	7.2	✓
85	-19° 2915	10	0.1	-19	6	8.8	✓
86	-18° 2844	9	59.8	-18	36	8.3	✓
87	-18° 2835	9	57.6	-18	43	8.5	✓
88	-18° 2834	9	57.4	-18	45	9.0	✓
89	-18° 2832	9	57.1	-18	11	9.0	✓
90	-17° 3050	9	57.4	-17	34	9.1	✓
91	-17° 3045	9	57.0	-17	48	9.0	✓
92	-17° 3042	9	56.3	-17	48	8.6	✓
93	-17° 3047	9	57.1	-17	24	6.8	✓
93a	-17° 3045	9	57.1	-17	24	8.0	
94	-17° 3054	9	57.7	-17	14	7.9	✓
95	-17° 3057	9	57.9	-17	31	9.2	✓
96	-18° 2841	10	1.6	-18	3	9.0	✓
97	-17° 3070	9	1.7	-17	48	8.7	✓
98	-17° 3068	10	1.4	-17	42	8.2	✓
99	-17° 3071	10	2.2	-17	28	9.0	✓
100	-17° 3072	10	2.3	-17	26	7.2	✓
101	-17° 3074	10	2.8	-17	33	9.1	✓
102	-17° 3075	10	3.5	-17	35	9.4	✓
103	-17° 3083	10	4.4	-17	34	9.0	✓
104	-17° 3082	10	4.2	-17	17	8.8	✓
105	-16° 2989	10	4.3	-16	56	7.7	✓
106	-16° 2987	10	4.0	-16	13	7.5	✓
107	-16° 2987	10	3.6	-16	4	9.0	✓
108	-16° 3045	10	17.2	-16	42	8.5	✓

-17° 3046 to 57.1 17 24 8.0 superimposed. See chart p. 13 2833

Thursday, December 18, 1913

B 403/3 short

No	Int	Class	Remark
✓ 109	1	A ₂	
✓ 110	1	K ₀	
✓ 111	2	A ₅	
✓ 112	3	G ₅	
✓ 113	2	A ₂	
✓ 114	1	G ₅	
✓ 115	2	A ₅	
✓ 116	1	G ₅	
✓ 117	1	K ₅	
✓ 118	4	G ₅	
✓ 119	2	A ₂	
✓ 120	7	K ₀	
✓ 121	3	K ₂	
✓ 122	3	K ₂	
✓ 123	2	A ₂	
✓ 124	1	A ₂	
✓ 125	1	F ₀	
✓ 126	1	K ₅	
✓ 127	1	G ₅	
✓ 128	3	M _a	
✓ 129	7	A ₂	
✓ 130	6	K ₂	
✓ 131	4	A ₂	
✓ 132	7	G ₅	
✓ 133	1	M _a	
✓ 134	3	F ₀	
✓ 135	7	A ₀	

109	-16° 3041	10	16.7	-16	52	9.3	✓
110	-16° 3040	10	16.6	-16	37	9.0	✓
111	-16° 3036	10	15.5	-16	52	9.1	✓
112	-16° 3028	10	14.2	-16	52	8.5	✓
113	-16° 3031	10	14.4	-16	32	9.1	✓
114	-16° 3030	10	14.3	-16	19	8.8	✓
115	-16° 3026	10	13.7	-16	32	9.0	✓
116	-15° 3031	10	13.6	-15	60	9.0	✓
117	-15° 3029	10	13.4	-15	39	8.5	✓
	-15° 3020	10	9.6	-15	9	9.0	✓
118	-15° 3030	10	13.6	-15	38	8.0	✓
119	-15° 3020	10	9.6	-15	9	9.0	✓
120	-15° 3018	10	9.3	-15	25	7.3	✓
121	-16° 3008	10	9.4	-16	3	8.2	✓
122	-16° 3004	10	9.3	-16	42	8.2	✓
123	-16° 2999	10	7.2	-16	27	9.1	✓
124	-16° 2996	10	6.2	-16	26	9.3	✓
125	-16° 2995	10	5.7	-16	21	9.3	✓
126	-16° 2993	10	5.4	-16	25	9.0	✓
127	-16° 2994	10	5.5	-16	18	9.2	✓
128	-15° 3000	10	5.2	-15	28	8.0	✓
129	-15° 3001	10	5.3	-15	22	8.0	✓
130	-14° 3046	10	3.9	-14	60	7.2	✓
131	-14° 3044	10	3.5	-14	55	9.1	✓
132	-14° 3039	10	2.1	-14	46	7.5	✓
133	-15° 2983	10	0.5	-15	44	9.0	✓
134	-15° 2978	9	59.6	-15	48	9.1	✓
135	-15° 2979	9	59.6	-15	38	8.0	✓

Thursday, December 18, 1913

B 40313 short

No.	Int.	Class	Remark
✓ 136	3	F8	
✓ 137	9	K ₂ ²	Too dense
✓ 138	5	F2	
✓ 139	8	F0	
✓ 140	1	G0	
✓ 141	2	G0	
✓ 142	1	K5	
✓ 143	1	F8	
✓ 144	1	K2	
✓ 145	1	K5	
✓ 146	1	A2	
✓ 147	6	G5	
✓ 148	2	A2	
✓ 149	7	F2	
✓ 150	2	K0	
✓ 151	1	M2	
✓ 152	3	F8	
✓ 153	6	K2	
✓ 154	5	A0	
✓ 155	1	K2	
✓ 156	2	F8	
✓ 157	2	K0	
✓ 158	7	F8	
✓ 159	4	A5	
✓ 160	1	A2	
✓ 161	6	A0	
✓ 162	1	G5	

136	-16° 2967	9	59.8	-16	6	8.6	✓
137	-16° 2974	10	0.2	-16	26	5.3	✓
138	-16° 2973	10	0.2	-16	47	8.0	✓
139	-16° 2969	9	60.0	-16	44	7.0	✓
140	-17° 3065	10	0.1	-17	22	9.1	✓
141	-17° 3064	10	0.0	-17	17	9.2	✓
142	-17° 3065 ⁶	10	0.5 ²	-17	22 ⁴²	9.7 ²	✓
143	-17° 3062	9	59.7	-17	25	9.4	✓
144	-17° 3059	9	58.5	-17	14	9.2 ⁴	✓
145	-16° 2959	9	58.5	-16	56	9.2	✓
146	-16° 2963	9	59.4	-16	32	9.5	✓
147	-16° 2957	9	58.2	-16	15	8.2	✓
148	-16° 2953	9	56.8	-16	46	9.1	✓
149	-16° 2949	9	56.4	-16	29	8.0	✓
150	-16° 2947	9	56.2	-16	27	8.9	<p>Two stars on chart photo. Both classified? Only one in catalogue. the Identification uncertain as to whether or both might be identified as the catalogue star.</p>
151	-17° 3040	9	56.1	-17	19	9.3	
152	-17° 3039	9	56.0	-17	12	9.3	✓
153	-17° 3038	9	55.1	-17	17	8.0	✓
154	-17° 3037	9	54.6	-17	51	8.7	✓
155	-16° 3038	10	16.0	-16	7	9.0	✓
156	-15° 3035	10	14.6	-15	55	8.9	✓
157	-15° 3043	10	16.0	-15	27	8.7	✓
158	-14° 3093	10	13.8	-14	46	7.0	✓
159	-14° 3086	¹⁰ 9	12.1	-14	36	8.2	✓
160	-15° 3013	10	8.2	-15	12	9.1	✓
161	-14° 3059	¹⁰ 9	6.3	-14	⁵⁹ 8.3	8.3	✓
162	-15° 3005	10	5.8	-15	23	9.4	✓

Thursday, December 18, 1913

B 40313 short

No.	Int.	Class	Remark
✓ 163	3	K ₀	
✓ 164	3	F ₈	
✓ 165	1	F ₂	
✓ 166	2	G ₀	
✓ 167	3	A ₂ ²	
✓ 168	6	F ₀	
✓ 169	1	K ₀	
✓ 170	2	K ₀	
✓ 171	1	G ₅	
✓ 172	4	K ₀	
✓ 173	5	K ₀	
✓ 174	5	A ₂	
✓ 175	4	A ₃	
✓ 176	4	K ₀	
✓ 177	5	A ₂	
✓ 178	1	K ₂	
✓ 179	6	F ₈	
✓ 180	3	K ₂	
✓ 181	2	F ₂	
✓ 182	3	K ₀	
✓ 183	1	K ₀	
✓ 184	1	K ₅	
✓ 185	8	F ₂	
✓ 186	4	A ₅	
✓ 187	4	K ₅	
✓ 188	2	K ₀	
✓ 189	2	F ₈	

163	-15° ^{300.3} 300.4	10	5.3 ⁵ -15 ¹⁰ 22	8.6	✓
164	-14° 3055	10	5.6 -14 60	8.5	✓
165	-14° 3053	10	5.3 -14 47	9.1	✓
166	-14° 3050	10	4.7 -14 42	9.0	✓
167	-14° 3032	10	0.7 -14 24	8.8	✓
168	-14° 3029	¹⁰ 9	0.3 -14 45	7.8	✓
169	-15° 2986	10	0.8 -15 28	9.3	✓
170	-20° 3150	10	13.2 -20 30	8.5	✓
171	-20° 3148	10	13.0 -20 37	9.0	✓
172	-21° 3030	10	12.2 -21 14	8.2	✓
173	-21° 3035	10	12.9 -21 48	7.8	✓
174	-21° 3038	10	13.4 -21 54	8.5	✓
175	-22° 2889	10	11.5 -22 2	8.3	✓
176	-21° 3022	10	9.8 -21 46	8.0	✓
177	-21° 3013	10	7.8 -21 1	7.8	✓
178	-20° 3122	10	4.6 -20 48	9.0	✓
179	-20° 3116	10	3.0 -20 58	8.2	✓
180	-21° 2997	10	2.0 -21 3	8.3	✓
181	-20° 3109	10	1.1 ²⁰ 19 5	9.2	✓
182	-19° 2924	10	1.3 -19 49	8.6	✓
183	-19° 2928	10	1.8 -19 37	8.8	✓
184	-19° 2931	10	2.9 -19 15	8.8	✓
185	-20° 3104	10	0.3 -20 33	7.0	✓
186	-20° 3102	9	59.7 -20 35	8.4	✓
187	-20° 3101	9	59.3 -20 14	7.2	✓
188	-19° 2908	9	59.0 -19 57	8.5	✓
189	-20° 3095	9	58.6 -20 23	8.9	✓

Thursday, December 18, 1913

B 403/3 short

No	Int.	Class	Remark
✓ 190	4	A ₀	
✓ 191	1	Mt	
✓ 192	1	K ₀	
✓ 193	2	F ₈	
✓ 194	1	G ₅	
✓ 195	6	K ₀	
✓ 196	4	A ₂	
✓ 197	1	A ₀	
✓ 198	8	A ₀	
✓ 199	2	F ₅	
10.32 ✓ 200	3	A ₀	

~~201~~~~202~~

201	2	G ₀	
202	2	F ₁₈	
203	2	K ₀	

190	-20° 3092	9	58.2	-20	56	8.3	✓
191	-20° 3094	9	58.5	-20	39	8.4	✓
192	-20° 3096	9	58.6	-20	46	9.0	✓
	3094	9	58.5	-20	39	8.4	✓
193	-20° 3097	9	58.9	-20	53	9.0	✓
194	-20° 3089	9	56.5	-20	28	9.0	✓
195	-20° 3088	9	56.4	-20	14	7.7	✓
196	-20° 3083	9	56.1	-20	8	8.6	✓
197	-20 3082	9	55.9	-20	20	9.1	✓
198	-19° 2897	9	55.8	-19	44	7.0	✓
199	-19° 2895	9	55.3	-19	41	8.6	✓
200	-18° 2827	9	54.5	-18	59	8.6	✓

Identified on cards by Ann.C. June 24, 1914

Identified here June 27 1914

Identification compared cards + Book by G.P.B.
 112 on B13145
 106 on B13145

✓ 201 -19 2827
 ✓ 202 -20 3080
 ✓ 203 -20 3065

109 " "

10:34

Thursday, December 18, 1913

△

B13324 short

S.F.M. Rec. No. Int. Class Remark

1	2	No
2	4	G5
3	4	A5
4	6	A5
5	3	G0
6	1	G0
7	7	No
8	2	F8
9	2	G5
10	1	K2
11	1	F0
12	7	F0
13	1	F2
14	1	K5
15	2	K5
16	6	No
17	6	K5
18	3	A3
19	10	F5
20	9	K5
21	5	F2
22	7	A0
23	5	No
24	1	K5
25	9	B9
26	3	No
27	3	A5

1	-19°	3062	10	29.8	-19	8.0	8.0	✓
2	-19°	3064	10	30.7	-19	32.5	8.7	✓
3	-20°	3225	10	31.0	-20	3.9	8.5	✓
4	-19°	3070	10	31.8	-19	49.4	8.0	-
5	-20°	3233	10	32.5	-20	5.4	8.0	✓
6	-20°	3238	10	33.5	-20	49.2	8.8	✓
7	-21°	3122	10	32.7	-21	46.2	7.5	✓
8	-22°	2973	10	32.5	-22	1.0	8.9	✓
9	-22°	2980	10	33.9	-22	2.7	8.7	✓
10	-22°	2985	10	34.6	-22	39.1	9.0	✓
11	-22°	2976	10	33.0	-22	41.8	9.1	✓
12	-22°	2977	10	33.1	-22	52.1	8.0	✓
C.D.M.	3°	9441	.	3.7	3	0.8	8.8	
S.D.	-22°	2974	10	34.8	-22	55.5	9.0	✓
13	-23°	9437	10	33.3	-23	47.6	8.2	✓
14	-23°	9432	10	32.6	-23	53.3	8.0	✓
15	-22°	2963	10	30.7	-22	37.8	7.8	✓
16	-21°	3109	10	29.9	-21	54.9	7.2	✓
17	-22°	2954	10	28.3	-22	31.4	9.0	✓
18	-22°	2952	10	28.1	-22	25.6	6.7	✓
C.D.M.	3°	9386	.	1	3	6.3	6	
S.D.	-22°	2946	10	28.1	-22	59.8	5.5	✓
19	-23°	9390	10	28.3	-23	38.6	7.9	✓
20	-21°	2939	10	25.5	-21	51.7	8.0	✓
21	-21°	3100	10	27.8	-21	27.0	7.3	✓
22	-21°	3095	10	26.5	-21	50.0	8.5	✓
23	-21°	3091	10	26.0	-21	47.0	7.0	✓
24	-21°	3088	10	25.0	-21	26.7	8.3	✓
25	-21°	3085	10	24.8	-21	4.8	9.0	✓

Thursday, December 18, 1913

B 13324 short

No.	Int.	Class	Remark
28	2	F ₅	
29	3	A ₂	
30	1	A	
31	1	K ₂	
32	5	F ₀	
33	2	K ₀	
34	3	A ₀	
35	2	A ₀	
36	3	F ₈	
37	8	K ₀	
38	3	G ₀	
39	2	A ₀	
40	8	F ₀	
41	8	A ₀	
42	1	A	
43	3	A ₀	
44	3	K ₀	
45	3	A ₃	
46	4	A ₅	
47	2	K ₅	
48	1	K ₀	
49	2	F ₂	
50	3	G ₀	
51	2	M _a	Nearly all sup. on 50.
52	2	K ₅	
53	4	G ₅	
10:43 54	2	F ₈	

28	-21°	3092	10	26.3	-21	2.9	8.5	✓
29	-20°	3221	10	29.0	-20	41.9	8.5	✓
30	-20°	3212	10	27.6	-20	14.1	9.3	✓
31	-20°	3214	10	27.8	-20	6.0	8.8	✓
32	-19°	3044	10	26.5	-19	26.2	8.5	✓
33	-19°	3038	10	25.0	-19	36.2	8.8	✓
34	-19°	3034	10	23.8	-19	21.4	8.8	✓
35	-19°	3035	10	24.3	-19	7.3	8.9	-
36	-19°	3029	10	23.4	-19	6.7	8.6	✓
37	-18°	2943	10	21.6	-18	46.9	6.5	✓
38	-20°	3196	10	23.9	-20	28.0	8.8	✓
39	-20°	3193	10	23.2	-20	43.0	9.2	-
40	-21°	3080	10	22.8	-21	17.7	7.2	✓
41	-21°	3079	10	22.7	-21	30.1	7.5	✓
42	-21°	3081	10	23.2	-21	31.4	9.6	✓
43	-21°	3082	10	23.7	-21	46.7	9.1	✓
44	-21°	3075	10	22.2	-21	50.8	8.8	✓
45	-21°	3072	10	21.8	-21	55.5	8.8	✓
46	-22°	2925	10	21.7	-22	4.5	8.7	✓
47	-21°	3073	10	22.1	-21	30.8	8.6	✓
48	-21°	3071	10	21.8	-21	39.5	8.9	✓
49	-20°	3186	10	21.7	-20	47.7	9.1	✓
50	-20°	3182	10	21.1	-20	57.8	8.8	✓
51	-20°	3181	10	21.0	-20	59.6	8.5	✓
52	-20°	3180	10	20.7	-20	41.2	8.6	✓
53	-20°	3178	10	20.5	-20	41.9	8.4	✓
54	-19°	3028	10	23.3	-19	51.3	8.7	✓

Thursday December 18, 1913

B13324 shad

	No.	Dist.	Class	Remark
10.53	55	3	K2	
	56	6	K0	
	57	4	G0	
	58	6	K0	
	59	6	A0	
	60	1	F	
	61	6	A2	
	62	6	K0	
	63	7	A0	
	64	10	A0	
	65	1	G5	
	66	2	F8	
	67	5	A0	
	68	2	F8	
	69	7	Comp Br = F5 Jr = A3	
	70	4	F2	
	71	1	G5 Partly super. on 72	
	72	2	F5	
	73	3	K0	
	74	1	A0	
	75	2	G5	
	76	7	G0	
	77	9	B9	
11.00	78	5	F8	
	79			
	80			
	81			

55	-19°	3012	10	19.7	-19	42.8	8.7	✓
56	-19°	3006	10	18.9	-19	35.3	7.7	✓
57	-20°	3174	10	19.4	-20	15.4	8.7	✓
58	-21°	3061	10	18.7	-21	12.8	7.8	✓
59	-20°	3169	10	17.8	-20	47.2	8.4	✓
60	-19°	3003	10	18.1	-19	52.0	9.0	✓
61	-19°	2994	10	16.7	-19	30.3	8.2	✓
62	-19°	2986	10	15.1	-19	50.5	7.5	✓
63	-20°	3161	10	15.3	-20	32.7	7.8	✓
64	-21°	3045	10	14.7	-21	47.5	6.7	✓
65	-22°	2937	10	25.0	-22	34.7	9.0	✓
C.D.M.	3°	9335		4		5.3		
S.D.	-22°	2930	10	23.9	-22	58.9	8.2	✓
67	-23°	9330	10	24.5	-23	12.4	7.9	✓
68	-23°	9337	10	24.9	-23	17.9	8.3	✓
69	-23°	9339	10	25.2	-23	32.5	7.6	✓
70	-23°	9310	10	22.8	-23	48.1	8.3	✓
71	-23°	9308	10	22.7	-23	45.6	8.5	✓
72	-23°	9300	10	21.9	-23	13.7	8.3	✓
73	-23°	9296	10	21.4	-23	9.1	7.3	✓
74	-23°	9298	10	21.8	-23	25.9	8.8	✓
75	-22°	2923	10	20.6	-22	27.5	8.6	✓
76	-23°	9258	10	18.4	-23	58.4	7.1	✓
77	-23°	9246	10	17.1	-23	42.3	6.8	✓
78	-23°	9225	10	16.0	-23	48.3	7.7	✓

Identified by J.C.M. Jan. 26, 1914
 Checked by Amc. Jan. 29, 1914
 Cards made out by S.R.B.

9.41

Friday, December 19, 1913

B 41224 short

G.F.M. Rec.	No.	Int.	Class	Remark
✓ 1	4		Ko	
✓ 2	1		F8	
✓ 3	2		Q3	
✓ 4	2		Ko	
✓ 5	6		F8	
✓ 6	1		Ko	
✓ 7	1		G5	
✓ 8	7		B9	
✓ 9	2		Ko	
✓ 10	3		G5	
✓ 11	3		K2	
✓ 12	8		G5	
✓ 13	4		F8	
✓ 14	5		Ko	
✓ 15	1		G0	
✓ 16	3		Q2	
✓ 17	6		F0	
✓ 18	5		G5	
✓ 19	1		F	
✓ 20	6		F2	
✓ 21	3		F2	
✓ 22	9		Q0	
✓ 23	1		Ko	
✓ 24	3		Q5	
✓ 25	4		F5	
✓ 26	1		Q	
✓ 27	4		K2	

1	-20° 2981	9	33.9	-20	55	7.7	✓
2	-20° 2982	9	34.0	-20	36	9.0	✓
3	-21° 2882	9	34.8	-21	8	8.2	✓
4	-20° 2990	9	35.3	-20	15	9.0	✓
5	-20° 2992	9	35.7	-20	28	7.7	✓
6	-20° 2993	9	36.0	-20	19	8.7	✓
7	-20° 2995	9	36.3	-20	16	9.0	✓
8	-20° 3000	9	37.0	-20	30	8.2	✓
9	-19° 2785	9	35.0	-19	42	8.6	✓
10	-19° 2786	9	35.1	-19	31	8.5	✓
	-19° 2790	9	35.6	-19	49	8.5	✓
11	-15° 2918	9	44.5	-15	53	8.2	✓
12	-19° 2795	9	36.8	-19	42	7.0	✓
13	-18° 2767	9	37.3	-18	52	8.5	✓
14	-18° 2770	9	38.0	-18	47	7.8	✓
15	-19° 2801	9	37.8	-19	16	9.0	✓
16	-19° 2800	9	37.8	-19	40	9.1	✓
17	-19° 2809	9	38.6	-19	40	8.2	✓
18	-20° 3009	9	38.5	-20	0	8.2	✓
19	-19° 2806	9	38.4	-19	0	9.3	✓
						-19° 2805 9 38.4 -19 4 9.4 super.	
20	-18° 2771	9	38.9	-18	55	8.3	✓
21	-19° 2811	9	38.9	-19	2	8.8	✓
22	-19° 2813	9	39.3	-19	4	7.0	✓
23	-19° 2812	9	39.2	-19	46	9.0	✓
24	-19° 2814	9	39.4	-19	47	9.1	✓
25	-19° 2821	9	40.2	-19	42	8.5	✓
26	-19° 2828	9	41.3	-19	26	9.9	✓
27	-19° 2830	9	41.7	-19	17	8.2	✓

Friday, December 19, 1913

B 41224 short

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

28	-18° 2792	9	42.0 -18 38	7.2	✓
29	-18° 2794	9	42.3 -18 58	8.2	✓
30	-19° 2839	9	43.2 -19 36	9.0	✓
31	-19° 2842	9	44.0 -19 26	8.5	✓
32	-19° 2844	9	44.3 -19 28	8.7	✓
33	-19° 2848	9	44.1 -19 16	9.0	✓
34	-18° 2799	9	44.7 -18 59	8.0	-19° 2848 9 44.8 -19 1 9.2 sup.
35	-19° 2849	9	45.0 -19 5	8.6	✓
36	-19° 2850	9	45.0 -19 22	8.0	✓
37	-20° 2832 3032	9	44.0 -20 6	8.0	✓
38	-20° 3026	9	43.3 -20 28	8.5	✓
39	-20° 3031	9	43.9 -20 24	8.5	✓
40	-20° 3036	9	44.3 -20 24	7.8	✓
41	-20° 3033	9	44.1 -20 47	8.1	-20° 3034 9 44.1 -20 45 9.3 super.
42	-21° 2907	9	40.4 -21 2	7.7	✓
43	-21° 2912	9	42.1 -21 20	7.2	✓
44	-20° 3021	9	42.2 -20 41	8.7	✓
45	-20° 3022	9	42.3 -20 46	8.5	✓
46	-20° 3024	9	42.7 -20 48	9.0	✓
47	-20° 3025	9	42.8 -20 37	9.1	✓
48	-21° 2916	9	42.7 -21 15	8.9	✓
49	-21° 2919	9	42.9 -21 6	8.8	✓
50	-20° 3040	9	46.5 -20 7	8.8	✓
51	-20° 3042	9	46.7 -20 21	8.8	✓
52	-20° 3043	9	47.1 -20 23	9.1	✓
53	-17° 2948	9	37.6 -17 53	9.4	✓
54	-18° 2772	9	39.0 -18 2	8.0	✓

Friday, December 19, 1913

B 41224 short

No	Int.	Class	Remark.
✓ 55	5	K ₂	Another star sup. north following
✓ 56	7	F ₂	
✓ 57	3	F ₀	
✓ 58	7	K ₅	
✓ 59	2	K ₀	
✓ 60	2	G ₅	
✓ 61	7	F ₈	
✓ 62	4	F ₀	
✓ 63	2	G ₀	
✓ 64	2	A ₂	
✓ 65	6	A ₂	
✓ 66	4	K ₂	
✓ 67	2	K ₀	
✓ 68	1	K ₀	
✓ 69	3	A ₀	
✓ 70	2	K ₀	
✓ 71	1	F ₅	
✓ 72	2	A ₅	
✓ 73	1	F ₅	
✓ 74	1	K ₅	
✓ 75	5	F ₀	Another star sup. south following.
✓ 76	5	F ₅	
✓ 77	5	A ₂	Another star sup. at south
✓ 78	4	A ₅	
✓ 79	7	F ₅	
✓ 80	1	F ₈	
✓ 81	2	A ₂	

55	-16° 2871	9	36.8	-16	46	8.5	✓
56	-17° 2952	9	38.0	-17	2	6.8	✓
57	-17° 2957	9	38.8	-17	16	9.1	✓
58	-16° 2887	9	40.4	-16	32	7.0	✓
59	-16° 2885	9	40.2	-16	9	8.6	✓
60	-16° 2889	9	40.6	-16	12	8.8	✓
61	-15° 2900	9	39.9	-15	53	7.8	✓
62	-15° 2902	9	41.2	-15	22	8.6	✓
63	-15° 2906	9	41.7	-15	26	9.0	✓
64	-15° 2905	9	41.7	-15	39	9.0	✓
65	-15° 2907	9	41.9	-15	46	8.5	✓
66	-15° 2910	9	42.7	-15	58	8.0	✓
67	-16° 2891	9	41.8	-16	14	9.0	✓
68	-16° 2892	9	41.9	-16	13	9.0	✓
69	-16° 2894	9	42.2	-16	28	9.2	✓
70	-16° 2895	9	42.8	-16	22	9.0	✓
71	-16° 2897	9	43.5	-16	20	9.0	✓
72	-17° 2970	9	41.3	-17	10	9.0	✓
73	-17° 2972	9	42.0	-17	6	9.2	✓
74	-16° 2893	9	42.2	-16	55	9.0	✓
75	-17° 2968	9	41.3	-17	42	8.3	-17° 2971 9 41.3 -17 46 9.4 super.
76	-18° 2787	9	41.3	-18	15	8.5	✓
77	-17° 2973	9	42.3	-17	46	8.5	-17° 2974 9 42.3 -17 49 8.7 super.
78	-17° 2975	9	42.6	-17	39	8.7	✓
79	-17° 2980	9	44.3	-17	59	7.2	✓
80	-17° 2981	9	44.6	-17	58	9.1	✓
81	-17° 2988	9	45.6	-17	21	9.1	✓

Friday, December 19, 1913

B 41224 short

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

82	-17° 2991	9	45.8	-17	25	9.0	✓
83	-17° 2992	9	45.9	-17	40	8.8	✓
84	-17° 2993	9	46.0	-17	35	8.5	✓
85	-17° 2994	9	46.5	-17	14	7.8	✓
86	-17° 2997	9	47.3	-17	35	8.0	✓
87	-17° 3003	9	48.1	-17	26	9.1	✓
88	-16° 2902	9	44.6	-16	54	9.0	✓
89	-16° 2899	9	44.0	-16	33	9.2	✓
90	-16° 2901	9	44.3	-16	41	8.9	✓
91	-15° 2918	9	44.5	-15	53	8.2	✓
	-15° 2920	9	45.1	-15	51	6.5	✓
92	-15° 2920	9	45.1	-15	51	6.5	✓
93	-15° 2928	9	45.8	-15	42	8.5	✓
94	-16° 2904	9	45.1	-16	40	8.8	✓
95	-16° 2909	9	45.7	-16	45	8.5	✓
96	-16° 2915	9	46.8	-16	49	9.1	✓
97	-16° 2917	9	47.6	-16	41	9.0	✓
98	-16° 2918	9	47.7	-16	56	9.1	✓
99	-16° 2921	9	48.7	-16	47	7.2	✓
100	-16° 2919	9	48.0	-16	44	9.0	✓
101	-15° 2932	9	49.2	-15	47	9.0	✓
102	-16° 2926	9	50.3	-16	44	8.5	✓
103	-15° 2942	9	50.7	-15	50	7.0	✓
104	-16° 2923	9	49.8	-16	46	8.6	✓
105	-16° 2924	9	50.2	-16	56	8.6	✓
106	-17° 3007	9	48.9	-17	26	8.9	✓
107	-17° 3026	9	52.9	-17	58	7.8	✓
108	-17° 3030	9	53.5	-17	8	8.5	✓

Friday, December 19, 1913

B 41224 short

No.	Int.	Class	Remarks
✓ 109	4	A ₂	Another star sup. south preceding
✓ 110	3	A ₂	
9.56 ✓ 111	7	K ₀	
Mon. Dec. 22, 1913 ✓ 112	7	A ₂	
10.05 ✓ 113	3	K ₀	
✓ 114	2	K ₅	
✓ 115	1	G ₀	
✓ 116	9	A ₀	
✓ 117	1	K ₀	
✓ 118	2	G ₀	
✓ 119	1	A ₅	
✓ 120	1	K ₅	
✓ 121	1	F ₅	
✓ 122	1	F ₂	
✓ 123	1	F ₈	
✓ 124	1	K ₀	
✓ 125	2	F ₈	
✓ 126	10	K ₅	
✓ 127	1	F ₅	
✓ 128	4	K ₀	
✓ 129	1	F ₅	
✓ 130	3	K ₀	
✓ 131	3	F ₈	
✓ 132	3	F ₀	
✓ 133	3	A ₂	
✓ 134	1	K ₀	
✓ 135	4	F ₅	

109	-16° 2938	9	53.2	-16	57	8.8	-17° 3028 9 53.2	-17	0	9.4	superposed.
110	-16° 2942	9	54.5	-16	40	8.8					
111	-16° 2943	9	54.7	-16	38	8.0					
112	-15° 2954	9	53.3	-15	48	8.0					
113	-15° 2955	9	53.4	-15	36	8.7					
114	-15° 2952	9	52.9	-15	36	8.5					
115	-15° 2951	9	52.7	-15	33	9.1					
116	-15° 2949	9	52.2	-15	19	7.7					
117	-16° 2931	9	51.4	-16	17	9.1					
118	-16° 2928	9	50.5	-16	45	9.2	Another star	fainter	same as slightly superposed - 117	uncat.	
119	-16° 2927	9	50.5	-16	53	9.3					
120	-17° 3019	9	51.5	-17	22	9.1	-17° 3018 9 51.4	-17	22	9.3	super.
121	-17° 3021	9	52.0	-17	14	9.1					
122	-17° 3014	9	50.0	-17	33	9.1					
123	-17° 3013	9	49.7	-17	32	9.1					
124	-17° 3015	9	50.1	-17	58	9.0					
125	-18° 2811	9	48.6	-18	9	9.2					
126	-18° 2810	9	48.0	-18	20	5.5					
127	-18° 2803	9	45.8	-18	30	9.2					
128	-18° 2800	9	44.9	-18	47	8.5					
129	-19° 2837	9	45.5	-19	32	9.4					
130	-20° 3053	9	49.9	-20	10	9.0					
131	-19° 2877	9	51.6	-19	36	9.0					
132	-19° 2889	9	53.0	-19	29	8.9					
133	-19° 2890	9	53.8	-19	15	9.2					
134	-17° 3022	9	52.0	-17	47	9.2					
135	-20° 3074	9	54.9	-20	16	8.7					

Monday, December 22, 1913

B41224 short

No.	Int.	Class	Remark
✓ 136	2	G ₅	
✓ 137	2	G ₅	
✓ 138	2	G	Focus poor
✓ 139	1	K ₅	
✓ 140	3	F ₈	
✓ 141	1	K ₅	
✓ 142	1	K ₀	
✓ 143	2	K ₂	
✓ 144	6	G ₀	E.
✓ 145	2	G ₀	
✓ 146	1	G ₅	
✓ 147	3	K ₀	
✓ 148	1	G ₀	
✓ 149	2	G ₀	
✓ 150	6	G ₀	
✓ 151	2	G ₀	
✓ 152	3	G ₅	
✓ 153	5	F ₅	
✓ 154	1	K ₀	
✓ 155	1	K ₀	
✓ 156	2	G ₀	
✓ 157	5	G ₂	
✓ 158	8	K ₀	
✓ 159	4	K ₂	
✓ 160	1	K ₅	
✓ 161	1	M ₂	
✓ 162	9	G ₀	

(Continued on page 140)

136	-20° 3079	9	55.4	-20	9	8.8	✓
137	-20° 3080	9	55.4	-20	31	9.0	✓
138	-20° 3078	9	55.3	-20	52	9.0	✓
139	-20° 3071	9	54.1	-20	42	9.1	✓
140	-20° 3066	9	52.9	-20	52	9.0	✓
141	-20° 3065	9	52.3	-20	59	9.0	✓
142	-20° 3061	9	51.6	-20	52	9.0	✓
143	-21° 2945	9	49.1	-21	9	9.0	✓
144	-22° 2725	9	41.9	-22	0	8.1	✓
145	-17° 2943	9	36.0	-17	60	9.1	✓
146	-16° 2873	9	36.8	-16	34	9.2	✓
147	-16° 2877	9	37.9	-16	21	9.0	✓
148	-16° 2879	9	38.1	-16	20	9.3	✓
149	-16° 2880	9	38.2	-16	19	9.2	✓
150	-16° 2878	9	37.9	-16	11	8.4	✓
151	-15° 2881	9	36.5	-15	58	9.1	✓
152	-15° 2885	9	37.1	-15	49	9.0	✓
153	-15° 2890	9	37.9	-15	32	9.0	✓
154	-15° 2891	9	38.0	-15	39	9.1	✓
155	-15° 2892	9	38.0	-15	53	9.1	✓
156	-15° 2896	9	38.7	-15	43	9.5	✓
157	-15° 2898	9	39.4	-15	47	8.5	✓
158	-15° 2916	9	44.1	-15	12	7.7	✓
159	-15° 2923	9	45.9	-15	14	8.5	✓
160	-15° 2924	9	46.4	-15	17	9.1	✓
161	-15° 2925	9	46.5	-15	41	8.6	✓
162	-15° 2929	9	48.1	-15	31	7.2	✓

-15° 2886 9 37.1 -15 51 9.3 superposed

9.59

Saturday, December 20, 1913

B 13145 short (cont. from Bk. 18; 210)

No.	Int.	Class	Remarks
101	2	F ₂	
102	1	Q ₂	
103	1	K ₀	
104	2	G ₀	
105	3	F ₅	
106	2	F ₈	
107	2	G ₀	
108	3	F ₈	
109	2	G ₅	
110	1	K ₀	
111	2	G ₅	
112	2	G ₅	
113	2	K ₀	
114	2	G ₅	
115	1	K ₀	
116	1	G ₀	
117	1	F ₂	
118	1	F ₈	
119	1	K ₅	
120	2	G ₅	
121	1	K ₀	
122	2	Q ₂	
123	1	K ₂	
124	1	G ₅	
125	1	F ₅	
126	1	G ₅	
127	1	G ₀	

101	-19°	2889	9	53.0	-19	28.7	8.9	✓
102	-19°	2890	9	53.8	-19	15.0	9.2	✓
103	-20°	3076	9	55.3	-20	11.8	9.2	✓
104	-20°	3079	9	55.4	-20	8.7	8.8	✓
105	-20°	3074	9	54.9	-20	16.2	8.7	✓
106	-20°	3080	9	55.4	-20	31.3	9.0	✓
107	-20°	3078	9	55.3	-20	51.9	9.0	✓
108	-20°	3066	9	52.9	-20	52.4	9.0	✓
109	-20°	3065	9	52.3	-20	58.6	9.0	✓
110	-20°	3061	9	51.6	-20	52.4	9.0	✓
111	-20°	3053	9	49.9	-20	9.6	9.0	✓
112	-19°	2877	9	51.6	-19	36.1	9.0	✓
113	-21°	2945	9	49.1	-21	9.2	9.0	✓
114	-22°	2775	9	50.9	-22	13.3	9.2	✓
115	-22°	2789	9	52.8	-22	25.7	9.0	✓
116	-22°	2786	9	52.5	-22	5.5	9.1	✓
117	-22°	2785	9	52.2	-22	15.2	9.4	✓
118	-21°	2951	9	50.5	-21	30.0	9.2	✓
119	-22°	2764	9	49.2	-22	11.0	8.9	✓
120	-21°	2933	9	47.1	-21	51.4	8.8	✓
121	-22°	2754	9	46.9	-22	9.1	9.1	✓
122	-21°	2928	9	46.2	-21	15.8	9.3	✓
123	-21°	2915	9	42.4	-21	32.4	8.8	✓
124	-20°	3014	9	39.3	-20	42.0	9.2	✓
125	-20°	3013	9	39.1	-20	21.4	9.1	✓
126	-20°	3006	9	38.3	-20	39.2	9.3	✓
127	-22°	2901	9	39.1	-22	0.1	9.2	✓

Saturday, December 20, 1913

B13145 short

No.	Int.	Class	Remark
128	2	G ₂	
129	2	G ₀	
130	2	G ₅	
131	1	G ₀	
132	2	G ₀	
133	1	K ₅	
134	3	K ₅	
135	2	G ₅	
136	1	K ₂	
137	3	G ₅	
138	2	F ₅	
139	2	K ₀	
140	3	F ₀	
141	2	F ₈	
142	2	G ₅	
143	2	K ₀	
144	3	G ₀	
145	2	K ₀	
146	1	K ₂	
147	4	F ₈	
148	2	K ₀	
149	2	G ₅	
150	1	G ₅	Partly sup. on 149
151	1	G ₅	
152	4	F ₅	
153	5	G ₀	
154	1	K ₂	

128	-22 ¹ °	2892	9	37.0	-22 ¹	5.2	9.3	✓
129	-20°	2998	9	36.9	-20	55.5	9.0	✓
130	-22 ¹ °	2890	9	36.7	-22 ¹	27.5	8.8	✓
131	-22°	2691	9	36.1	-22	38.7	9.1	✓
132	-22°	2689	9	35.9	-22	45.8	9.1	✓
133	-22°	2686	9	35.2	-22	34.8	9.0	✓
134	-22°	2682	9	33.9	-22	41.7	8.2	✓
135	-23°	8622	9	35.5	-23	20.7	8.8	✓
136	-23°	8633	9	36.0	-23	38.6	9.1	✓
137	-23°	8550	9	30.9	-23	39.8	8.6	✓
138	-23°	8554	9	31.2	-23	56.4	9.1	✓
139	-23°	8520	9	29.1	-23	37.9	8.7	✓
140	-22°	2659	9	28.8	-22	32.6	8.7	✓
141	-22°	2656	9	28.7	-22	48.1	8.9	✓
142	-22°	2654	9	28.6	-22	23.2	8.7	✓
143	-22 ¹ °	2847	9	27.9	-22 ¹	52.4	8.8	✓
144	-23°	8672	9	38.2	-23	32.6	9.2	✓
145	-23°	8656	9	37.5	-23	54.6	8.5	✓
146	-23 ⁴ °	8637	9	36.6	-23	51.6	8.7	✓
147	-24°	8402	9	38.5	-24	24.4	8.3	✓
148	-24°	8415	9	39.4	-24	28.7	8.4	✓
149	-25°	7465	9	39.8	-25	8.1	8.5	✓
150	-25°	7464	9	39.8	-25	12.8	8.5	✓
151	-25°	7445	9	38.2	-25	23.0	8.7	✓
152	-25°	7476	9	40.8	-25	24.0	8.6	✓
153	-25°	7477	9	40.8	-25	5.4	7.8	✓
154	-24°	8451	9	41.4	-24	40.1	8.7	✓

Saturday, December 20, 1913

B 13145 short

To	Int.	Class	Remarks
155	3	Q ₀	
156	3	G ₅	
157	4	Q ₂	
158	2	Q ₀	
159	5	K ₀	
160	4	K ₀	
161	1	K ₀	
162	2	G ₀	
163	2	F ₅	
164	1	K ₀	
165	2	F ₅	
166	2	K ₀	
167	1	K ₀	
168	2	K ₀	
169	1	F ₈	
170	4	F ₀	
171	1	K ₀	
172	2	F ₀	
173	1	Q ₅	
174	4	K ₀	
175	6	Q ₂	
176	5	Q ₀	
177	6	F ₂	Σ
178	6	F ₈	Σ
179	7	Q ₅	
180	2	K ₅	
181	2	K ₀	

155	-24°	8459	9	41.8	-24	48.4	8.8	✓	
156	-24°	8463	9	41.9	-24	43.8	8.3	✓	-24° 8464 superfluous 8.7
157	-24°	8471	9	42.6	-24	37.4	7.8	✓	
158	-24°	8469	9	42.3	-24	57.4	9.1	✓	
159	-24°	8477	9	42.9	-24	58.0	8.0	✓	
160	-24°	8486	9	43.5	-24	38.8	8.5	✓	
161	-24°	8485	9	43.5	-24	46.4	9.3	✓	
162	-24°	8506	9	44.7	-24	2.3	8.9	✓	
163	-23°	8776	9	44.4	-23	59.7	9.0	✓	
164	-24°	8473	9	42.6	-24	8.2	8.6	✓	
165	-24°	8449	9	41.3	-24	6.2	8.6	✓	
166	-23°	8726	9	41.3	-23	32.9	8.6	✓	
167	-23°	8691	9	39.5	-23	31.5	8.8	✓	
168	-23°	8819	9	47.4	-23	49.0	8.5	✓	
169	-24°	8590	9	50.4	-24	0.7	9.1	✓	
170	-23°	8914	9	54.3	-23	54.5	8.5	✓	
171	-24°	8674	9	55.8	-24	48.7	8.9	✓	
172	-25°	7614	9	50.8	-25	12.3	8.7	✓	
173	-25°	7613	9	50.7	-25	30.4	9.0	✓	
174	-25°	7596	9	49.4	-25	56.8	8.5	✓	
175	-26°	7539	9	50.5	-26	19.8	8.2	✓	
176	-26°	7541	9	50.5	-26	27.6	8.8	✓	
177	-26°	7562	9	51.8	-26	36.4	8.0	✓	
178	-26°	7561	9	51.7	-26	43.0	8.2	✓	
179	-26°	7503	9	47.3	-26	10.5	7.8	✓	
180	-25°	7574	9	47.7	-25	34.4	8.2	✓	
181	-25°	7545	9	45.8	-25	17.7	8.6	✓	

Saturday, December 20, 1913

B13145 short

No.	Int.	Class	Remark
182	1	No	
183	5	Q ₀	
184	2	Q ₂	
185	3	H ₂	
186	1	H ₂	
187	2	G ₀	
188	7	Q ₀	E.
189	1	No	
190	5	F ₀	
10:25 191	3	Q ₂	E.
192			
193			
194			

182	-25°	7543	9	45.6	-25	21.0	8.7	✓
183	-25°	7533	9	45.1	-25	44.6	8.3	✓
184	-25°	7529	9	44.8	-25	41.8	8.8	✓
185	-25°	7522	9	44.1	-25	26.0	8.3	✓
186	-25°	7524	9	44.3	-25	17.1	8.7	✓
187	-25°	7503	9	42.8	-25	25.0	8.8	✓
188	-27°	6936	9	42.3	-27	1.0	7.6	✓
189	-26°	7464	9	44.7	-26	38.3	8.2	✓
190	-26°	7492	9	46.6	-26	9.5	9.2	✓
191	-26°	7488	9	46.5	-26	48.9	8.4	✓

Identified by J.B.M. Jan. 20, 1914
 Checked by Am.C. Feb. 4, 1914
 Cards made out by B.R.B.
 Cards checked by Am.C.

-26° 7493 super. magn. 9.1

Saturday December 20, 1913

12.00

I 38630 long

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

1	+28°	1648	8	39.1	+28	30.6	8.4	^✓
2	+28°	1650	8	40.5	+28	51.9	9.0	^✓
3	+26°	¹⁸⁴⁷ 1787	8	40.8	+26	58.1	9.2	^✓
4	+26°	1848	8	41.5	+26	53.7	8.4	^✓
5	⁶ +25°	¹⁸⁵² 2003	8	² 43.6	⁶ +25	^{50.3} 41.4	^{9.0} 8.3	^✓
6	+25°	2003	8	43.6	+25	41.4	8.3	^✓
7	+27°	1682	8	45.2	+27	27.9	8.5	^✓
8	+25°	2015	8	48.3	+25	32.8	8.9	^✓
9	+26°	1876	8	51.1	+26	14.5	9.0	^✓
10	+26°	1882	8	52.5	+26	27.1	8.7	^✓
11	+27°	1699	8	50.2	+27	47.5	9.0	^✓
12	+29°	1857	8	53.7	+29	40.5	8.8	^✓
13	+28°	1684	8	55.9	+28	59.5	8.8	^✓
14	+28°	1691	8	58.8	+28	42.6	8.5	^✓
15	+30°	1822	9	1.4	+30	7.9	8.2	^✓
16	+29°	1874	9	1.9	+29	39.5	8.0	^✓
17	+29°	1879	9	3.3	+29	27.8	8.0	^✓
18	+30°	1829	9	3.6	+30	53.7	8.3	^✓
19	+28°	1718	9	6.0	+28	22.8	8.4	^✓
20	+28°	1710	9	3.8	+28	28.5	^{9.0} 9.5	^✓
21	+26°	1903	9	1.9	+26	59.6	8.8	^✓
22	+26°	1902	9	0.9	+26	24.6	8.5	^✓
23	+26°	1905	9	2.2	+26	43.6	9.0	^✓
24	+26°	1909	9	3.6	+26	38.4	8.8	^✓
25	+25°	2056	9	2.9	+25	59.6	8.5	^✓
26	+26°	1911	9	5.0	+26	1.4	8.4	^✓
27	⁶ +25°	¹⁹¹² 2062	9	¹ 5.2	⁶ +25	^{0.5} 51.0	8.9	^✓

Saturday December 20, 1913

I 38630 long

No.	Int.	class	Remarks
28	2	A5	
29	2	Ko	
30	5	Ko	
31	1	G5	
32	1	Ko	
33	3	Ko	
34	2	Ko	
35	7	A2	E.
36	6	G	E.
37	8	Ko	
38	9	A2	
39	5	Ao	
40	5	F8	E
41	1	K5	
42	1	Ko	
43	1	G5	
44	2	F8	
45	1	K5	
46	1	A5	
47	1	Ko	
48	1	Ko	
49	2	Ko	
12.10	50	Ko	
51			
5			

comb. 135,50

28	+25°	2062	9	5.2	+25	57.0	8.1	✓
29	+25°	2063	9	5.7	+25	53.9	8.3	✓
30	+25°	2065	9	6.0	+25	36.9	7.0	✓
31	+27°	1727	9	5.1	+27	1.9	8.8	✓
32	+26°	1914	9	5.5	+26	46.0	9.2	✓
33	+25°	2036	8	56.4	+25	10.8	8.2	✓
34	+26°	1899	8	57.7	+26	42.4	8.3	✓
35	+32°	1782	8	35.3	+32	34.9	6.8	✓
36	+32°	1779	8	33.8	+32	22.5	7.0	✓
37	+31°	1876	8	36.4	+31	13.0	6.3	✓
38	+33°	1770	8	43.6	+33	1.3	6.0	✓
39	+33°	1779	8	46.0	+33	17.8	7.7	✓
40	+33°	1765	8	41.5	+33	50.9	6.3	✓
41	+31°	1884	8	39.9	+31	1.4	8.5	✓
42	+29°	1820	8	36.7	+29	46.6	8.5	✓
43	+30°	1760	8	36.3	+30	10.4	8.5	✓
44	+29°	1825	8	38.5	+29	38.2	8.4	✓
45	+30°	1923	8	53.9	+30	55.5	8.0	✓
46	+30°	1930	8	57.6	+30	29.1	8.3	✓
47	+30°	1933	8	58.4	+30	12.5	8.5	✓
48	+30°	1818	8	59.5	+30	48.8	8.3	✓
49	+30°	1819	8	59.6	+30	54.3	8.2	✓
50	+30°	1937	8	59.8	+30	11.9	8.3	✓

Identified by AmC Feb. 17, 1914

Checked Feb. 19, 1914 L. D. W.

Cards made out by G. R. B.

Cards checked by AmC.

Monday, December 22, 1913

B 41224 short (cont. from 126)

No.	Int.	Class	Remark
✓ 163	2	Q ₀	
✓ 164	3	Q ₀	
✓ 165	1	K ₀	
✓ 166	8	F ₀	
✓ 167	2	K ₀	
✓ 168	2	Q	Another star sup. north preceding
✓ 169	3	F ₀	
✓ 170	8	Q ₀	
✓ 171	2	K ₂	
✓ 172	9	Q ₀	
✓ 173	3	Q ₀	
✓ 174	3	K ₂	
✓ 175	7	Q ₀	
✓ 176	1	Q ₀	
✓ 177	2	K ₀	
✓ 178	4	F ₀	
✓ 179	1	K ₀	
✓ 180	3	K ₀	
10:24 ✓ 181	1	K ₀	
182			
183			
184			
182 185			
186			
187			

163	-14° 2979	9	48.8 - 14	59	9.2	✓
164	-14° 2980	9	49.0 - 14	52	8.9	✓
165	-15° 2936	9	49.6 - 15	12	9.2	✓
166	-15° 2938	9	50.0 - 15	12	8.0	✓
167	-15° 2939	9	50.2 - 15	12	9.0	✓
168	-14° 2984	9	50.4 - 14	53	9.3	✓
169	-14° 2987	9	50.8 - 14	50	8.9	✓
170	-14° 3002	9	54.4 - 14	45	7.7	✓
171	-14° 3003	9	54.7 - 14	44	8.6	✓
172	-14° 3005	9	55.1 - 14	20	7.5	✓
173	-14° 3010	9	55.5 - 14	26	8.5	✓
174	-14° 3007	9	55.3 - 14	13	8.5	-14° 3008 9 55.3 - 14 8 9.0 super.
175	-15° 2966	9	55.5 - 15	19	8.3	✓
176	-14° 2941	9	58.7 - 14	46	9.2	✓
177	-14° 2952	9	41.1 - 14	45	9.1	✓
178	-14° 2957	9	43.3 - 14	41	8.8	✓
179	-14° 2958	9	43.9 - 14	58	9.1	✓
180	-14° 2964	9	44.6 - 14	42	9.0	✓
181	-14° 2970	9	45.4 - 14	40	8.9	✓

Identified on cards by Amc. June 8, 1914

Identified here June 20 1914 V.D.W.

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

10:34

Monday, December 22, 1913

B18996 ^{short}
~~long~~

No.	Int.	Class	Remark
1	5	F ₀	
2	9	F ₂	
3	10	F ₅	
4	2	G ₅	Another star sep?
5	3	A ₀	
6	1	K ₀	
7	10	A ₀	
8	1	K ₅	
9	7	ma	
10	3	K ₂	
11	6	K ₂	
12	4	F ₅	
13	2	F ₀	
14	2	F ₅	
15	5	A ₂	
16	6	K ₀	
17	1	K ₀	
18	2	G ₀	
19	2	K ₂	
20	4	A ₂	
21	1	K ₅	
22	1	K ₂	
23	5	K ₂	
24	4	F ₂	
25	7	A ₀	
26	4	F ₈	
27	10+	G ₅	burned out

1 -9°	2920	q	39.5 -9	35.3	7.9	✓	
2 -9°	2922	q	40.0 -9	51.0	7.0	✓	
3 -8° 10'	2918	q	40.1 -10	4.3	6.8	✓	magn. 8.7 -10° 2919 superposed
4 -10°	2926	q	41.0 -10	12.3	8.8	✓	magn. 9.5 -10° 2927 superposed
5 -9°	2931	q	41.8 -9	53.5	8.9	✓	
6 -9°	2926	q	41.1 -9	30.7	8.7	✓	
7 -9°	2928	q	41.6 -9	14.5	6.8	✓	
8 -9°	2939	q	43.1 -9	22.7	8.5	✓	
9 -10°	2940	q	44.6 -10	39.6	6.3	✓	
10 -11°	2740	q	43.8 -11	3.4	8.0	✓	
11 -11°	2731	q	42.5 -11	6.6	6.3	✓	
12 -11°	2736	q	43.3 -11	36.1	8.3	✓	
13 -11°	2732	q	42.7 -11	36.4	8.5	✓	
14 -11°	2725	q	41.3 -11	19.1	9.0	✓	
15 -11°	2721	q	40.6 -11	23.8	8.5	✓	
16 -11°	2718	q	39.7 -11	16.2	7.8	✓	-11° 2717 39.7-11 14.2 magn. 8.5 superposed
17 -10°	2928	q	41.5 -10	51.7	8.8	✓	
18 -11°	2724	q	41.0 -11	53.3	8.7	✓	
19 -11°	2722	q	40.8 -11	54.7	8.3	✓	
20 -12°	2994	q	41.3 -12	50.7	8.8	✓	magn. 9.2 -12° 2995 superposed
21 -13°	2949	q	40.1 -13	22.1	8.7	✓	
22 -13°	2953	q	41.0 -13	37.5	9.0	✓	
23 -13°	2946	q	39.3 -13	55.5	8.0	✓	
24 -14°	2938	q	38.2 -14	20.2	8.6	✓	
25 -14°	2951	q	41.0 -14	16.2	8.5	✓	
26 -14°	2960	q	44.3 -14	0.4	8.4	✓	
27 -14°	2963	q	44.5 -14	10.0	5.0	✓	

Monday, December 22, 1913

B18996 short

No.	Int.	Class	Remark
28	1	K	
29	7	No	
30	3	Q2	
31	5	No	
32	2	Q5	
33	2	Q5	
34	3	F2	
35	4	F5	
36	2	Q5	
37	4	No	
38	6	Q0	
39	9	F8	
40	8	F0	
41	1	F8	
42	5	F5	
43	7	K2	
44	1	No	
45	1	Q5	
46	3	Q0	
47	3	F0	
48	3	K5	
49	1	Q0	
50	6	B8	
51	2	K2	
52	7	No	
53	8	No	
54	2	No	

28 - 14°	2965 q	44.9 - 14	14.6	9.0	1 -
29 - ¹³ 12	2967 q	44.8 - ¹³ 12	23.9	7.8	1 -
30 - 12°	3005 q	44.1 - 12	51.4	8.6	1 ✓
31 - 13°	2963 q	44.3 - 13	3.0	7.5	1 ✓
32 - 13°	2968 q	45.1 - 13	4.4	8.8	1 ✓
33 - 12°	3013 q	46.2 - 12	51.7	8.5	1 ✓
34 - 13°	2971 q	46.3 - 13	16.3	8.7	1 ✓
35 - 12°	3002 q	42.9 - 12	7.8	8.0	1 -
36 - 12°	3004 q	44.0 - 12	16.4	8.3	1 ✓
37 - 11°	2752 q	46.2 - 11	55.0	8.5	1 ✓
38 - 12°	3019 q	47.4 - 12	14.4	8.4	1 ✓
39 - 12°	3021 q	47.5 - 12	15.1	6.8	1 ✓
40 - 11°	2758 q	48.0 - 11	47.0	7.5	1 ✓
41 - 11°	2756 q	47.5 - 11	22.5	9.1	1 ✓
42 - 9°	2956 q	46.8 - 9	54.4	8.2	1 ✓
43 - 10°	2948 q	48.1 - 10	20.9	7.0	1 ✓
44 - 10°	2950 q	48.8 - 10	34.0	8.7	1 ✓
45 - 10°	2951 q	49.0 - 10	46.9	8.8	1 ✓
46 - 10°	2957 q	50.7 - 10	8.1	8.7	1 ✓
47 - 10°	2961 q	51.6 - 10	23.1	8.3	1 ✓
48 - 10°	2965 q	52.5 - 10	0.9	8.2	1 ✓
49 - 10°	2966 q	52.5 - 10	22.5	8.7	1 ✓
50 - 10°	2972 q	53.5 - 10	12.1	8.5	1 ✓
51 - 9°	2975 q	54.9 - 9	42.6	8.8	1 ✓
52 - 9°	2976 q	55.0 - 9	44.1	7.5	1 ✓
53 - 10°	2985 q	56.2 - 10	1.6	7.2	1 ✓
54 - 10°	2982 q	55.8 - 10	31.9	8.6	1 ✓

Monday, December 22, 1913

B 18996 short

No.	Int.	Class	Remark
55	2	G5	
56	3	G2	
57	5	K0	
58	6	F8	
59	2	G5	
60	2	K5	
61	6	G0	
62	1	K5	
63	4	F8	
64	1	K0	
65	1	K0	
66	1	G5	
67	5	F5	
68	2	K5	
69	3	F5	
70	10+	A	Burned out
71	3	F0	
72	1	K5	
73	1	K	
74	1	K	
75	7	K2	
76	7	G2	
77	9	F8	
78	4	K0	
79	7	G0	
80	6	K5	
81	5	F8	

55 -10°	2983 q	56.0 -10	28.7	8.8	✓
56 -10°	2984 q	56.0 -10	46.1	8.8	✓
57 -11°	2787 q	57.6 -11	1.5	7.8	✓
58 -10°	2987 q	58.2 -10	30.1	8.0	✓
59 -9°	2985 q	56.9 -9	54.0	8.6	✓
60 -9°	2988 q	57.4 -9	48.3	8.4	✓
61 -9°	2984 q	56.7 -9	27.2	8.0	✓
62 -9°	2979 q	55.8 -9	32.3	8.6	✓
63 -9°	2990 q	58.3 -9	46.0	8.5	✓
64 -10°	2991 q	59.5 -10	23.4	8.8	✓
65 -10°	2994 q 10	0.0 -10	36.9	8.6	✓
66 -10°	2992 q	59.8 -10	50.5	8.9	✓
67 -11°	2803 q	59.6 -11	46.2	8.1	✓
68 -12°	3083 q	59.9 -12	11.1	8.8	✓
69 -12°	3074 q	58.4 -12	16.5	8.5	✓
70 -12°	3073 q	58.1 -12	21.9	4.5	✓
71 -11°	2794 q	58.5 -11	48.7	8.5	✓
72 -11°	2789 q	58.1 -11	28.4	8.3	✓
73 -11°	2788 q	58.0 -11	16.1	8.5	✓
74 -11°	2796 q	58.8 -11	19.0	8.7	✓
75 -12°	3064 q	56.6 -12	11.3	7.3	✓
76 -12°	3062 q	56.3 -12	10.6	8.3	✓
77 -12°	3057 q	55.5 -12	36.0	6.8	✓
78 -12°	3055 q	54.8 -12	11.9	7.5	✓
79 -12°	3045 q	52.2 -12	3.8	7.5	✓
80 -12°	3039 q	51.1 -12	26.2	7.3	✓
81 -11°	2765 q	49.8 -11	59.6	8.4	✓

Monday, December 22, 1913

B 18996 short

No.	Int.	Class	Remark
82	8	K ₂	
83	1	G ₅	
84	1	K ₅	
85	2	F ₅	
86	2	F ₂	
87	2	K ₂	
88	5	K ₂	Partly sup. on 89
89	3	G ₀	
90	5	K ₅	
91	7	G ₂	
92	5	K ₅	
93	8	G ₂	
94	1	K	
95			
96			
97			

10:48

82 -12°	3031 q	49.5 -12	46.7	6.8	1 ✓
83 -12°	3029 q	48.8 -12	47.7	8.7	1 ✓
84 -13°	2988 q	49.8 -13	42.3	8.3	1 ✓
85 -13°	2992 q	50.4 -13	39.2	9.0	1 ✓
86 -13°	2976 q	47.0 -13	57.7	9.0	1 ✓
87 -14°	2992 q	52.6 -14	15.7	9.0	1 ✓
88 -13°	3008 q	54.0 -13	27.3	8.5	1 ✓
89 -13°	3009 q	54.0 -13	31.3	8.8	1 ✓
90 -13°	3013 q	55.0 -13	41.6	7.5	1 ✓
91 -13°	3001 q	52.4 -13	2.8	8.0	1 ✓
92 -13°	2996 q	51.5 -13	15.3	7.4	1 ✓
93 -13°	2999 q	51.8 -13	27.4	7.8	1 ✓
94 -12°	3041 q	57.5 -12	36.5	9.0	1 ✓

Identified by AmC. Jan. 10, 1914
 Checked Jan. 31, 1914. J.D.W.
 Cards made out by G.R.B.

magn. 9.5
 2993 Superposed

10:51

Monday, December 22, 1913

B40247 short

No.	Int.	Class	Remark
✓ 1	2	F8	
✓ 2	9	Q ₀	
✓ 3	3	Q ₂	
✓ 4	2	K ₂	
✓ 5	4	K ₀	
✓ 6	2	K ₀	
✓ 7	1	K ₀	
✓ 8	3	G ₀	
✓ 9	4	K ₀	
✓ 10	5	M ₂	
✓ 11	4	K ₂	
✓ 12	6	Q ₃	
✓ 13	3	F8	
✓ 14	10	F ₅	
✓ 15	4	F ₀	
✓ 16	5	K ₂	
✓ 17	10	Q ₂	
✓ 18	10+	K	Burned out
✓ 19	3	F ₀	
✓ 20	4	F ₀	
✓ 21	4	F8	
✓ 22	3	M ₂	
✓ 23	3	Q ₀	
✓ 24	2	K ₂	
✓ 25	4	F ₅	
✓ 26	9	Q ₀	
✓ 27	4	F ₀	

1	-14° 3017	⁹ 10	57.1	-14	32	8.6	✓
2	-14° 3036	10	1.6	-14	54	6.5	✓
3	-13° 3036	10	0.6	-13	27	8.6	✓
4	-13° 3037	10	0.9	-13	8	8.5	✓
5	-12° 3089	¹⁰ 9	0.9	-12	49	8.3	✓
6	-12° 3075	⁹ 10	58.6	-12	52	8.8	✓
7	-12° 3085	¹⁰ 9	0.4	-12	31	9.0	✓
8	-12° 3094	10	1.5	-12	20	9.0	✓
9	-12° 3097	10	2.0	-12	29	9.8	✓
10	-12° 3098	10	2.3	-12	39	6.8	✓
11	-11° 2811	10	1.5	-11	49	8.2	✓
12	-11° 2812	10	1.7	-11	55	8.8	✓
13	-12° 3100	10	2.9	-12	10	8.8	✓
14	-12° 3101	10	3.0	-12	6	5.8	✓
15	-12° 3104	10	3.7	-12	9	8.4	✓
16	-11° 2816	10	2.5	-11	11	7.5	✓
17	-11° 2818	10	2.8	-11	23	6.8	✓
18	-11° 2820	10	3.5	-11	38	3.5	✓
19	-11° 2825	10	5.6	-11	19	8.3	✓
20	-11° 2829	10	7.2	-11	52	8.0	✓
21	-12° 3108	10	4.9	-12	51	8.5	✓
22	-14° 3041	10	2.7	-14	3	7.8	✓
23	-13° 3053	10	4.1	-13	44	9.0	✓
24	-13° 3055	10	4.5	-13	34	8.0	✓
25	-14° 3049	10	4.6	-14	21	8.7	✓
26	-14° 3054	10	5.4	-14	21	7.0	✓
27	-14° 3056	10	5.8	-14	13	8.8	✓

Monday, December 22, 1913

B40247 short

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

28	-13°	3059	10	5.7	-13	54	9.0	✓
29	-14°	3062 ⁵	10	7.0	-14	1	7.9	✓
30	-13°	3164	10	7.6	-13	34	8.6	✓
31	-14°	3061	10	6.8	-14	33	8.8	✓
32	-14°	3066	10	7.9	-14	15	8.9	✓
33	-14°	3067	10	8.0	-14	20	9.0	✓
34	-13°	3066	10	7.7	-13	14	9.0	✓
35	-13°	3067	10	7.9	-13	5	8.6	✓
36	-12°	3119	10	7.6	-12	50	8.5	✓
37	-12°	3121	10	7.8	-12	45	9.0	✓
38	-13°	3071	10	8.8	-13	34	9.0	✓
39	-13°	3073	10	9.5	-13	40	9.0	✓
40	-13°	3076	10	10.0	-13	32	8.9	✓
41	-13°	3077	10	10.2	-13	438	9.6	✓
41	-13°	3078	10	10.2	-13	445	9.6	✓
42	-13°	3080	10	10.4	-13	41	9.1	✓
43	-14°	3081	10	11.4	-14	41	9.2	✓
44	-12°	3132	10	10.8	-12	48	8.3	✓
45	-12°	3135	10	11.1	-12	37	9.0	✓
46	-12°	3136	10	11.3	-12	35	7.0	✓
47	-12°	3137	10	11.3	-12	38	9.1	✓
48	-11°	2851	10	12.2	-11	48	6.5	✓
49	-12°	3129	10	9.7	-12	23	7.3	✓
50	-11°	2841	10	10.1	-11	24	8.5	✓
51	-11°	2843	10	10.6	-11	21	7.8	✓
52	-11°	2832	10	7.7	-11	23	8.8	✓
53	-11°	2833	10	7.8	-11	18	7.3	✓
54	-11°	2835	10	8.1	-11	4	7.5	✓

A fainter star, same RA, & south is superposed.
 Either on both may be -12° 3119

Do not know which is classified & which
 superposed - see chart plate B 25130

Monday, December 22, 1913

D

B 40247 short

No. Int. Class Remark

✓ 55 4 Q3

✓ 56 5 F5

✓ 57 2 K5

✓ 58 1 K0

✓ 59 3 Q5

✓ 60 3 F8

11:02 ✓ 61 2 F8

~~62~~~~63~~~~64~~62 ~~65~~ 7 Q2

63 8 K2

64 7 B9

65 6 F8

55	-10°	3028	10	9.0	-10	215	8.7	✓
56	-11°	2828	10	9.7	-11	0	8.3	✓
57	-11°	2849	10	12.0	-11	33	8.5	✓
58	-11°	2857	10	13.1	-11	28	9.0	✓
59	-11°	2858	10	13.3	-11	25	8.9	✓
60	-11°	2860	10	13.3	-11	28	8.9	✓
61	-12°	3143	10	13.2	-12	18	9.0	✓

Identified on cards by Amc. June 25, 1914
 Identified here June 29 1914 L.W.
 Identification compared cards & book by G.R.B.

62	-13°	3097	10	14.2	-13	3	6.5	(checked A.G.C.)
63	-16°	2974	10	0.2	-16	26	5.3	137 on B40313
64	-12°	3147	10	15.1	-12	40	7.0	
65	-12°	3150	10	16.2	-12	38	6.8	

Ident on cards by A.M.C. April 4, 1917
 " " book " M.A.H. " "

Tuesday December 23, 1913

11.05

B19137 short.

No.	Int.	Class	Remarks
1	8	Fo	
2	2	Fo	
3	1	F2	
4	3	K2	
5	2	A2	
6	4	Fo	
7	3	A2	
8	4	A5	
9	3	Fo	
10	2	A3	
11	5	Ma	
12	2	F8	
13	6	Ko	
14	2	F8	
14	2	F8	
14a	1	K2	
15	9	B9	
16	7	K2	
17	8	A3	
18	1	G0	
19	1	K2	
20	1	G5	
21	7	A0	
22	4	G0	
23	1	K0	
24	1	F8	
25	2	G0	
26	1	G0	
27	1	K2	

1 - 6°	2974	9	33.5 - 6	14.0	7.8	^v
2 - 5°	2865	9	33.9 - 5	56.2	9.0	^v
3 - 5°	2868	9	34.2 - 5	57.6	9.4	^v
4 - 6°	2977	9	34.6 - 6	6.2	8.6	^v
5 - 5°	2872	9	34.9 - 5	44.5	9.2	^v
6 - 5°	2873	9	35.1 - 5	34.1	9.1	^v
7 - 5°	2870	9	34.7 - 5	14.2	8.8	^v
8 - 5°	2874	9	35.3 - 5	12.9	9.0	^v
9 - 5°	2877	9	36.1 - 5	22.4	8.9	^v
10 - 5°	2880	9	36.5 - 5	32.8	9.0	^v
11 - 5°	2881	9	36.9 - 5	30.9	8.4	^v
12 - 5°	2884	9	37.4 - 5	26.4	9.2	^v
13 - 5°	2884 ⁵	9	37.4 - 5	26.4 ³⁷	9.2 ^{8.8}	^v
14 - 5°	2883	9	37.3 - 5	45.6	9.1	^v
14a - 6°	2968	9	32.4 - 6	45.3	9.1	^v
15 - 6°	2989	9	37.7 - 6	2.4	8.0	^v
16 - 5°	2876	9	36.0 - 5	58.1	7.9	^v
17 - 6°	2985	9	36.2 - 6	10.4	8.3	^v
18 - 6°	2984	9	35.9 - 6	29.3	9.2	^v
19 - 6°	2983	9	35.4 - 6	24.5	9.2	^v
20 - 6°	2978	9	34.6 - 6	43.9	9.1	^v
21 - 6°	2975	9	34.0 - 6	58.7	8.2	^v
22 - 7°	2867	9	35.0 - 7	6.5	8.2	^v
23 - 7°	2869	9	35.2 - 7	13.7	9.0	^v
24 - 7°	2868	9	35.2 - 7	21.9	9.1	^v
25 - 7°	2871	9	35.3 - 7	25.2	9.1	^v
26 - 6°	2987	9	36.8 - 6	58.7	9.2	^v
27 - 7°	2880	9	38.0 - 7	17.0	9.0	^v

Tuesday December 23, 1913

B 19137 phot

No.	Qu.	Class	Remarks
28	2	do	
29	9	Ko	
30	1	Ko	
31	5	F8	
32	5	Ma	
33	10	B9	
34	7	Oo	
35	3	Ko	
36	1	O2	
37	1	Oo	
38	1	K2	
39	1	K5	
40	7	F8	
41	1	Ma	
42	6	Fo	
43	7	K2	
44	1	G0	
45	1	F5	
46	1	G5	
47	1	G0	
48	10	G0	
49	4	Ko	
50	2	Oo	
51	2	O5	
52	10	F2	
53	3	Fo	
54	1	O5	

28 - 7°	2881	q	38.2 - 7	12.9	9.2	^v
29 - 7°	2882	q	38.3 - 7	48.6	7.5	^v
30 - 7°	2889	q	39.8 - 7	51.2	9.1	^v
31 - 7°	2894	q	40.7 - 7	49.3	8.7	^v
32 - 7°	2895	q	40.9 - 7	29.9	8.1	^v
33 - 6°	3003	q	41.0 - 6	34.7	7.2	^v
34 - 6°	3005	q	41.3 - 6	39.0	8.1	^v
35 - 6°	2997	q	39.6 - 6	28.0	8.5	^v
36 - 6°	2996	q	39.5 - 6	16.3	9.1	^v
37 - 6°	2993	q	39.2 - 6	38.7	9.4	^v
38 - 6°	2999	q	40.2 - 6	48.1	9.1	^v
39 - 5°	2890	q	38.5 - 5	53.2	9.0	^v
40 - 5°	2895	q	39.0 - 5	24.7	8.5	^v
41 - 5°	2898	q	39.2 - 5	21.5	9.2	^v
42 - 5°	2902	q	39.9 - 5	9.2	8.6	^v
43 - 5°	2908	q	40.9 - 5	14.3	7.3	^v
44 - 5°	2915	q	42.4 - 5	36.4	9.4	^v
45 - 6°	3011	q	43.0 - 6	9.4	9.1	^v
46 - 6°	3012	q	43.2 - 6	0.7	8.9	^v
47 - 5°	2920	q	43.8 - 5	49.2	9.1	^v
48 - 5°	2923	q	44.1 - 5	30.3	6.8	^v
49 - 5°	2927	q	45.4 - 5	27.8	8.3	^v
50 - 4°	2745	q	45.0 - 4	51.8	9.2	^v
51 - 6°	3010	q	42.4 - 6	39.5	8.9	^v
52 - 6°	3013	q	43.5 - 6	42.4	7.5	^v
53 - 7°	2898	q	41.7 - 7	49.6	9.0	^v
54 - 7°	2900	q	41.9 - 7	48.5	9.0	^v

Tuesday December 23, 1913

B19137 chnd

No.	Dist.	Class	Remark
55	7	K2	
56	1	G5	
57	5	F5	
58	2	F8	
59	3	F0	
60	1	F8	
61	3	K2	
62	3	F8	
63	5	K2	
64	6	K2	
65	3	A2	
66	10	A0	
67	4	F8	
68	2	K5	
69	1	G5	
70	2	K2	
71	2	F8	
72	3	K0	
73	3	G5	
74	3 i	K2	
75	6	G5	
76	5 s	A2	
77	4	K0	
78	1	F8	
79	3	F2	
80	10+	A2	
81	4	G5	

55 - 8°	2771	q	42.1	- 8	9.6	7.0	1 ^v
56 - 8°	2772	q	42.2	- 8	23.6	9.1	1 ^v
57 - 8°	2773	q	42.4	- 8	31.1	8.6	1 ^v
58 - 8°	2770	q	41.7	- 8	34.4	9.2	1 ^v
59 - 8°	2774	q	42.6	- 8	41.4	9.1	1 ^v
60 - 8°	2778	q	43.0	- 8	47.3	9.3	1 ^v
61 - 9°	2938	q	43.1	- 9	32.4	8.7	1 ^v
62 - 9°	2946	q	45.2	- 9	52.9	8.7	1 ^v
63 - 9°	2945	q	44.9	- 9	10.0	8.0	1 ^v
64 - 8°	2788	q	45.3	- 8	32.6	7.8	1 ^v
65 - 8°	2790	q	45.4	- 8	42.1	9.0	1 ^v
66 - 9°	2953	q	46.2	- 9	13.2	7.1	1 ^v
67 - 9°	2955	q	46.6	- 9	25.5	8.6	1 ^v
68 - 9°	2959	q	47.9	- 9	29.4	8.6	1 ^v
69 - 8°	2793	q	47.9	- 8	52.3	9.1	1 ^v
70 - 8°	2795	q	48.2	- 8	59.0	8.7	1 ^v
71 - 9°	2962	q	48.5	- 9	9.4	9.0	1 ^v
72 - 9°	2966	q	49.6	- 9	39.5	8.4	1 ^v
73 - 9°	2967	q	50.2	- 9	12.1	8.7	1 ^v
74 - 9°	2968	q	50.5	- 9	3.3	8.9	1 ^v
75 - 8°	2805	q	49.9	- 8	54.1	7.8	1 ^v
76 - 8°	2807	q	49.9	- 8	41.3	8.4	1 ^v
77 - 8°	2803	q	49.5	- 8	33.4	8.5	1 ^v
78 - 8°	2801	q	49.3	- 8	31.5	9.1	1 ^v
79 - 8°	2798	q	48.8	- 8	28.2	8.8	1 ^v
80 - 8°	2797	q	48.6	- 8	8.8	7.0	1 ^v
81 - 8°	2802	q	49.5	- 8	9.0	8.4	1 ^v

Tuesday December 23, 1913

B 19137 shnd

No.	Dist.	class	Remark
82	3	K2	
83	7	K0	
84	1	A2	Partly superposed on 83
85	5	A0	
86	2	K5	
87	1	K2	
88	21	F2	
89	1	G0	
90	2	F2	
91	3	F2	
92	3	A0	
93	4	A5	
94	10+	A	Burned out.
95	2	A0	Perhaps a trail of 94
96	2	K5	
97	2	K2	
98	1	G	
99	1	G	
100	1	K2	
11.15	101	4	K0
11.35	102	5	F0
	103	3	K2
	104	9	K2
	105	7	F5
	106	7	F5
	107	1	F8
	108	1	K2

82 - 7°	2931	q	50.3	- 7	29.2	8.6	1v
83 - 6°	3033	q	48.9	- 6	57.6	6.8	1v
84 - 7°	2926	q	49.0	- 7	3.5	9.2	1v
85 - 7°	2920	q	47.5	- 7	7.5	8.4	1v
86 - 7°	2921	q	47.6	- 7	16.3	9.2	1v
87 - 8°	2792	q	46.9	- 8	1.6	8.9	1v
88 - 7°	2912	q	45.8	- 7	36.2	9.3	1v
89 - 8°	2787	q	45.0	- 8	15.4	9.4	1v
90 - 8°	2784	q	44.6	- 8	14.9	9.1	1v
91 - 7°	2906	q	44.2	- 7	53.1	9.0	1v
92 - 7°	2905	q	43.7	- 7	38.2	9.2	1v
93 - 7°	2908	q	44.7	- 7	15.8	8.9	1v
94 - 7°	2909	q	45.3	- 7	25.3	6.0	1v
Trail of 95 - 7°	2909	q	45.3	- 7	25.3	6.0	1v Trail
96 - 6°	3016	q	45.1	- 6	55.1	8.3	1v
97 - 6°	3020	q	45.9	- 6	39.7	8.8	1v
98 - 7°	2910	q	45.6	- 7	6.1	9.2	1v
99 - 7°	2915	q	46.3	- 7	21.4	9.2	1v
100 - 6°	3027	q	47.8	- 6	47.0	9.0	1v
101 - 5°	2939	q	48.5	- 5	28.5	8.5	1v
102 - 4°	2753	q	47.5	- 4	51.6	8.6	1v
103 - 4°	2752	q	47.3	- 4	23.7	8.6	1v
104 - 4°	2757	q	48.3	- 4	17.3	7.3	1v
105 - 5°	2945	q	49.6	- 5	5.8	8.2	1v
106 - 4°	2764	q	50.0	- 4	29.3	8.5	1v
107 - 5°	2949	q	49.9	- 5	45.7	9.1	1v
108 - 5°	2953	q	50.8	- 5	46.1	9.0	1v

Tuesday Dec. 23 1913

B19137 chx

No.	Dist.	class	Remarks
109	1	Ko	
110	3	Ko	
111	1	Ko	
112	7	Ko	
113	4	F8	
114	7	Ko	
115	5	A2	
116	1	Ko	
117	9	F2	
118	5 6	Fo	
119	1	Ko	
120	5	F2	
121	3	Ko	
122	3	F8	
123	4	Ko	
124	2	Ko	
125	4	A5	
126	4	F2	
127	2	Ko	
128	6	Ko	
129	6	Ao	
130	4	F5	
131	1	F2	
132	1	F8	
133	3	F8	
134	4	Ko	
135	1	Ko	

109 -5°	2954	9	51.1 - 5	54.7	9.0	✓
110 -6°	3045	9	51.3 - 6	30.1	8.7	✓
111 -6°	3040	9	50.1 - 6	41.2	8.9	✓
112 -6°	3041	9	50.3 - 6	49.8	9.2	✓
113 -7°	2934	9	51.5 - 7	33.8	8.5	✓
114 -7°	2936	9	52.4 - 7	10.0	7.8	✓
115 -6°	3055	9	53.1 - 6	49.6	8.8	✓
116 -7°	2938	9	53.2 - 7	3.4	9.1	✓
117 -6°	3056	9	53.5 - 6	24.5	8.3	✓
118 -6°	3054	9	53.0 - 6	0.4	8.3	✓
119 -5°	2963	9	52.6 - 5	48.1	9.1	✓
120 -6°	3057	9	53.6 - 6	0.5	8.8	✓
121 -6°	3059	9	54.2 - 6	27.2	8.9	✓
122 -6°	3060	9	55.2 - 6	23.6	9.0	✓
123 -5°	2975	9	55.2 - 5	53.0	8.8	✓
124 -5°	2976	9	55.5 - 5	48.4	8.7	✓
125 -5°	2979	9	56.0 - 5	56.4	8.8	✓
126 -6°	3062	9	55.8 - 6	8.9	8.8	✓
127 -7°	2944	9	55.3 - 7	22.1	9.0	✓
128 -8°	2833	9	55.9 - 8	11.0	8.0	✓
129 -7°	2946	9	56.0 - 7	52.6	8.3	✓
130 -7°	2948	9	56.6 - 7	40.8	8.6	✓
131 -8°	2811	9	57.7 - 8	5.5	9.2	✓
132 -8°	2812	9	57.8 - 8	36.1	9.2	✓
133 -9°	2970	9	57.9 - 9	30.9	9.1	✓
134 -8°	2821	9	53.4 - 8	55.0	8.3	✓
135 -9°	2977	9	55.2 - 9	9.0	9.0	✓

Tuesday Dec. 23, 1913

B 19137 photo

No.	Set.	Class	Remark
136	4	Ko	
137	8	Ko	
138	5	Fo	
139	4	F2	
140	7	Fo	
141	2	F2	
142	3	G5	
143	1	G5	
144	2	Ko	
145	2	K2	
146	1	K2	
147	3	F8	
148	2	K2	
149	4	F8	
150	3	F8	
11.40	151	rd	Ko
	152		
	153		
	154		

136	-8°	2834	9	56.0	-8	51.2	8.4	1✓
137	-8°	2836	9	56.5	-8	52.4	6.3	1✓
138	-8°	2838	9	57.2	-8	27.8	8.5	1✓
139	-7°	2857	9	32.6	-7	28.1	9.0	1✓
140	-8°	2733	9	33.0	-8	26.0	7.5	1✓
141	-8°	2735	9	33.4	-8	7.5	8.7	1✓
142	-9°	2911	9	36.7	-9	19.8	8.7	1✓
143	-8°	2760	9	39.2	-8	37.0	8.9	1✓
144	-8°	2763	9	40.1	-8	31.1	8.8	1✓
145	-8°	2764	9	40.4	-8	41.7	9.1	1✓
146	-8°	2742	9	35.8	-8	28.7	8.8	1✓
147	-7°	2851	9	31.1	-7	35.1	9.2	1✓
148	-7°	2852	9	31.1	-7	25.6	8.8	1✓
149	-7°	2853	9	31.4	-7	0.2	8.8	1✓
150	-6°	2959	9	30.9	-6	57.6	9.1	1✓ -6° 2958 Super. magn. 9.5
151	-6°	2971	9	32.8	-6	7.8	9.0	1✓

Identified by AME Feb. 16, 1914

Checked March 25, 1914 D.W.

cards made out by G. C. S.

Cards checked by G. R. B.

Tuesday December 23, 1913

11.45

B 22976 phvd

No.	Int.	Class	Remarks
1	8	Ko	
2	5	Ao	
3	4	A2	
4	4	Ao	
5	3	F5	
6	3	F8	
7	4	K2	
8	10	G0	
9	2	G5	
10	8	A2	
11	8	Ko	
12	8	A2	
13	2	A2	
14	3	A3	
15	1	Ko	
16	10	Ko	
17	4	G0	
18	7	Ko	
19	6	K2	
20	2	K2	
21	1	F0	
22	1	Ko	Partly superposed on 21
23	3	F2	
24	2	Ko	
25	3	G0	
26	2	F8	
27	4	Ko	

1 -4°	2616	q	18.2 - 4	29.9	5.5	✓
2 -4°	2627	q	19.9 - 4	7.8	8.2	✓
3 -3°	2684	q	20.1 - 3	56.1	8.3	✓
4 -4°	2628	q	20.2 - 4	48.5	8.4	✓
5 -4°	2629	q	20.6 - 4	51.7	8.7	✓
6 -4°	2632	q	20.9 - 4	58.4	9.0	✓
7 -5°	2803	q	20.8 - 5	2.5	8.5	✓
8 -5°	2802	q	20.6 - 5	26.5	6.0	✓
9 -5°	2804	q	21.4 - 5	39.6	9.2	✓
10 -5°	2814	q	22.9 - 5	22.5	8.2	✓
11 -5°	2820	q	23.7 - 5	1.7	7.0	✓
12 -4°	2653	q	24.6 - 4	26.6	8.2	✓
13 -4°	2654	q	24.8 - 4	26.8	9.0	✓
14 -5°	2826	q	25.0 - 5	8.3	9.1	✓
15 -4°	2662	q	27.0 - 4	57.5	9.0	✓
16 -5°	2840	q	27.3 - 5	16.4	6.7	✓
17 -5°	2841	q	28.0 - 5	12.1	9.0	✓
18 -4°	2667	q	27.9 - 4	43.7	7.7	✓
19 -4°	2666	q	27.8 - 4	14.8	7.5	✓
20 -4°	2660	q	26.8 - 4	27.4	9.0	✓
21 -4°	2664	q	27.5 - 4	31.1	9.2	✓
22 -4°	2665	q	27.6 - 4	31.1	9.1	✓
23 -4°	2670	q	28.7 - 4	43.9	9.1	✓
24 -4°	2671	q	28.8 - 4	46.1	9.2	✓
25 -5°	2843	q	28.2 - 5	49.8	9.0	✓
26 -6°	2950	q	28.4 - 6	9.1	9.0	✓
27 -6°	2956	q	29.7 - 6	23.6	8.3	✓

Tuesday December 23, 1913
 B 22976 photo

No.	Dist.	Class	Remarks
28	4	F2	
29	6	F5	
30	3	G5	
31	8	K0	
32	4	F2	
33	1	K5	
34	3	A3	
35	5	A3	
36	6	Ma	
37	1	A0	
38	1	K0	
39	1	K0	
40	4	K2	
41	7	A5	
42	4	K0	
43	2	G0	
44	2	F0	
45	2	F0	
46	3	F5	
47	3	A2	
48	5	F8	
49	5	F5	
50	3	F2	
51	5	K2	
52	1	K	
11.52	53	K2	

57

54

9

A0

28 -6°	2952	q	29.0	-6	46.4	9.0	1✓
29 -6°	2945	q	27.7	-6	53.2	8.3	1✓
30 -6°	2947	q	28.0	-6	26.4	8.7	1✓
31 -6°	2939	q	26.1	-6	32.8	6.8	1✓
32 -5°	2834	q	26.2	-5	51.8	8.7	1✓
33 -5°	2822	q	24.1	-5	34.1	9.0	1✓
34 -6°	2928	q	23.8	-6	2.9	8.5	1✓
35 -6°	2917	q	20.7	-6	43.6	8.8	1✓
36 -7°	2813	q	21.1	-7	5.4	7.2	1✓
37 -7°	2810	q	20.1	-7	24.6	9.1	1✓
38 -7°	2807	q	19.3	-7	0.4	8.8	1✓
39 -6°	2912	q	19.8	-6	52.8	9.0	1✓
40 -6°	2923	q	22.4	-6	51.9	8.2	1✓
41 -6°	2933	q	24.6	-6	51.7	7.8	1✓
42 -7°	2834	q	25.3	-7	5.8	8.8	1✓
43 -7°	2837	q	26.2	-7	28.7	9.2	1✓
44 -7°	2840	q	26.6	-7	3.7	9.3	1✓
45 -7°	2842	q	27.8	-7	33.2	9.1	1✓
46 -7°	2806	q	19.3	-7	58.7	8.7	1✓
47 -7°	2803	q	17.6	-7	34.5	8.8	1✓
48 -5°	2854	q	30.6	-5	30.8	8.5	1✓
49 -5°	2858	q	32.0	-5	4.3	8.5	1✓
50 -5°	2861	q	32.7	-5	10.2	8.8	1✓
51 -4°	2681	q	30.9	-4	31.1	8.0	1✓
52 -7°	2847	q	29.9	-7	18.7	9.2	1✓
53 -6°	2943	q	27.0	-6	24.4	9.1	1✓

#Cards made out, GKB. Identified by AMC Feb. 13, 1914

Cards checked by AMC Checked Feb. 27, 1914 J. D. W.

7

Monday December 29, 1913

12.22

B19231 photo

No.	dist.	class	Remark
1	2	Ko	
2	4	Ko	
3	6	G5	
4	4	A2	
5	2	A5	
6	7	A3	
7	3	A2	
8	7	A3	
9	2	F5	
10	1	A5	
11	1	Ko	
12	1	F2	
13	9	F0	
14	2	A2	
15	1	K5	
16	3	F5	
17	2	B5	
18	10+	A	Burned out.
19	7	B9	
20	3	Ko	Another star superposed n.f.
21	2	G5	
22	2	K5	
23	4	F8	
24	10+	K	Burned out.
25	1	K5	
26	4	A3	
27	3	A3	

1 - 4°	2544	8	59.8 - 4	30.0	8.7	1 ✓
2 - 4°	2546	9	0.5 - 4	40.9	8.3	1 ✓
3 - 4°	2549	9	1.5 - 4	32.2	8.0	1 ✓
4 - 4°	2551	9	1.6 - 4	39.2	8.8	1 ✓
5 - 4°	2554	9	2.1 - 4	39.1	9.1	1 ✓
6 - 5°	2727	9	1.3 - 5	2.6	8.5	1 ✓
7 - 5°	2731	9	1.8 - 5	9.4	9.0	1 ✓
8 - 5°	2732	9	1.9 - 5	22.8	8.6	1 ✓
9 - 5°	2713	8	59.6 - 5	7.3	8.8	1 ✓
10 - 4°	2538	8	58.2 - 4	53.9	8.9	1 ✓
11 - 5°	2710	8	58.8 - 5	38.1	9.5	1 ✓ - 5° 2709 8 58.8 - 5 37.2 magu. 9.5 superposed
12 - 5°	2706	8	57.9 - 5	49.9	9.2	1 ✓
13 - 7°	2726	9	0.8 - 7	13.5	7.9	1 ✓
14 - 7°	2715	8	58.6 - 7	41.1	9.0	1 ✓
15 - 7°	2716	8	58.8 - 7	57.6	8.5	1 ✓
16 - 8°	2577	8	58.9 - 8	31.8	8.3	1 ✓
17 - 8°	2587	9	1.4 - 8	19.0	9.0	1 ✓
18 - 8°	2588	9	1.6 - 8	0.3	5.8	1 ✓
19 - 7°	2735	9	2.1 - 7	35.8	8.2	1 ✓
20 - 7°	2736	9	2.5 - 7	35.3	8.8	1 ✓ - 7° 2737 super. magu. 9.2
21 - 7°	2740	9	2.7 - 7	30.6	9.1	1 ✓
22 - 7°	2739	9	2.6 - 7	50.7	8.3	1 ✓
23 - 8°	2592	9	2.5 - 8	2.4	8.4	1 ✓
24 - 8°	2593	9	2.5 - 8	12.0	5.3	1 ✓
25 - 7°	2741	9	2.8 - 7	59.3	8.8	1 ✓
26 - 8°	2598	9	3.1 - 8	2.6	8.5	1 ✓
27 - 8°	2600	9	3.7 - 8	18.4	8.5	1 ✓

Monday December 29, 1913

B 19231 photo.

No.	Int.	class	Remarks
28	1	K2	
29	2	F8	
30	3	K2	
31	1	K0	
32	3	F8	Another star superposed at South
33	1	K0	
34	2	A0	
35	1	K0	
36	1	F5	
37	4	F2	
38	4	F8	
39	3	F5	
40	1	F5	
41	2	A2	
42	4	Ma	
43	2	A2	
44	2	F5	
45	6	K0	
46	10+	A2	
47	1	A2	
48	3	K0	
49	1	F0	
50	1	K5	
51	2	K2	
52	3	K2	
53	10	K0	
54	5	B9	

28 - 8°	2601	q	4.2 - 8	18.7	9.0	1 ✓
29 - 8°	2608	q	5.6 - 8	20.5	8.7	1 ✓
30 - 8°	2610	q	5.9 - 8	6.2	8.3	1 ✓
31 - 7°	2759	q	6.1 - 7	42.8	8.8	1 ✓
32 - 7°	2763	q	7.2 - 7	40.7	8.9	1 ✓
33 - 9°	2777	q	8.2 - 9	31.0	8.9	1 ✓
34 - 8°	2625	q	10.0 - 8	37.9	9.1	1 ✓
35 - 8°	2622	q	9.2 - 8	28.7	8.8	1 ✓
36 - 7°	2767	q	8.3 - 7	23.7	9.3	1 ✓
37 - 7°	2768	q	8.3 - 7	14.5	8.8	1 ✓
38 - 6°	2850	q	5.9 - 6	57.3	8.5	1 ✓
39 - 7°	2754	q	4.9 - 7	30.7	8.7	1 ✓
40 - 7°	2750	q	4.4 - 7	27.8	9.3	1 ✓
41 - 7°	2747	q	3.9 - 7	0.5	9.1	1 ✓
42 - 6°	2839	q	4.7 - 6	23.0	8.0	1 ✓
³ 43 - 6°	2840	q	4.9 - 6	20.7	9.0	1 ✓
⁴ 43 - 6°	2843	q	5.2 - 6	12.0	9.0	1 ✓
⁵ 44 - 6°	2844	q	5.2 - 6	20.2	7.7	1 ✓
⁶ 45 - 6°	2845	q	5.3 - 6	30.9	6.3	1 ✓
⁷ 46 - 6°	2852	q	6.4 - 6	24.7	9.3	1 ✓
⁸ 47 - 6°	2855	q	6.7 - 6	15.7	8.5	1 ✓
⁹ 48 - 6°	2857	q	7.4 - 6	11.9	9.1	1 ✓
⁵⁰ 49 - 6°	2860	q	7.8 - 6	25.7	9.0	1 ✓
¹ 50 - 6°	2862	q	8.2 - 6	20.4	8.3	1 ✓
² 51 - 6°	2872	q	9.5 - 6	6.7	8.5	1 ✓
³ 52 - 5°	2762	q	9.5 - 5	45.2	5.8	1 ✓
⁴ 53 - 6°	2875	q	10.4 - 6	51.7	8.7	1 ✓

2762 super. mag. 9.1
 star south preceding
 is superposed. Not in cat.
 Only one star in SW cat.

Monday December 29, 1913

B19231 short.

No.	Int.	Class	Remark
55	2	K ₀	
56	2	F ₈	
57	1	K ₀	Partly superposed on 58.
58	6	F ₈	
59	4	F ₅	
60	2	G ₀	
61	2	K ₀	
62	2	F ₈	
63	2	A ₅	
64	1	G ₀	Another star super. south-free.
65	1	F ₈	
66	6	F ₂	
67	1	F ₈	
68	1	K ₂	
69	1	K ₅	
70	4	F ₈	
71	4	F ₅	
72	5	K ₀	
73	3	K ₂	
74	1	G ₀	
75	1	K ₅	
76	5	K ₂	
77	10	A ₃	
78	7	F ₅	
79	3	M ₂	
80	3	F ₈	
81	3	K ₂	

55 -6°	2877	9	11.0 -6	52.2	9.0	1✓
56 -7°	2779	9	12.5 -7	17.8	9.0	1✓
57 -7°	2784	9	13.5 -7	5.1	8.8	1✓
58 -7°	2785	9	13.6 -7	7.4	7.7	1✓
59 -7°	2778	9	12.2 -7	44.8	8.2	1✓
60 -7°	2782	9	13.2 -7	46.0	8.7	1✓
61 -8°	2644	9	13.4 -8	16.6	8.5	1✓
62 -8°	2638	9	12.3 -8	56.6	8.6	1✓
63 -8°	2629	9	11.2 -8	52.0	8.9	1✓
64 -8°	2666	9	17.3 -8	47.6	8.8	1✓ -8° 2665 [^] Ruperr. Magn. 9.0
65 -8°	2669	9	18.1 -8	29.3	8.9	1✓
66 -7°	2791	9	15.4 -7	50.8	8.3	1✓
67 -8°	2649	9	14.6 -8	3.0	9.0	1✓
68 -7°	2789	9	14.7 -7	47.7	8.9	1✓
69 -8°	2647	9	14.5 -8	23.5	8.9	1✓
70 -7°	2790	9	14.8 -7	21.8	8.8	1✓
71 -7°	2792	9	15.7 -7	1.1	8.6	1✓
72 -7°	2795	9	16.0 -7	5.8	8.2	1✓
73 -7°	2798	9	16.2 -7	3.2	8.5	1✓
74 -7°	2793	9	15.8 -7	16.4	9.2	1✓
75 -7°	2794	9	15.8 -7	27.3	9.1	1✓
76 -6°	2899	9	17.3 -6	16.2	8.0	1✓
77 -5°	2794	9	18.2 -5	46.9	7.8	1✓
78 -5°	2795	9	18.4 -5	15.2	8.2	1✓
79 -5°	2790	9	17.7 -5	23.2	8.4	1✓
80 -5°	2789	9	17.5 -5	22.1	8.9	1✓
81 -5°	2788	9	17.2 -5	28.9	8.6	1✓

Monday December 29, 1913

B19231 short,

No.	Int.	Class	Remarks
82	2	F5	
83	8	A2	
84	2	G5	
85	1	F0	
86	1	F5	
87	1	K2	
88	2	F0	
89	4	K5	
90	2	G5	
91	1	K0	
92	3	G0	
93	2	K5	
94	3	A0	
95	3	K0	
96	1	K0	
97	4	K5	
98	7	A0	
99	2	F5	
100	1	K5	
101	1	F2	
102	1	F5	
103	1	K0	
104	2	K5	
105	5	K2	
106	7	K0	
107	8	A3	
108	3	K0	

82 - 5°	2785	q	16.1 - 5	19.2	9.0	^ ✓
83 - 5°	2782	q	15.2 - 5	26.3	7.5	^ ✓
84 - 6°	2891	q	14.2 - 6	3.8	8.5	^ ✓
85 - 5°	2781	q	15.1 - 5	57.0	9.3	^ ✓
86 - 5°	2779	q	13.8 - 5	22.1	9.1	^ ✓
87 - 5°	2778	q	13.6 - 5	8.7	8.9	^ ✓
88 - 5°	2777	q	13.1 - 5	22.9	9.1	^ ✓
89 - 5°	2774	q	12.6 - 5	22.9	8.0	^ ✓
90 - 5°	2772	q	11.9 - 5	53.8	9.0	^ ✓
91 - 5°	2766	q	10.7 - 5	35.7	9.1	^ ✓
92 - 4°	2594	q	12.0 - 4	42.7	8.7	^ ✓
93 - 4°	2587	q	10.5 - 4	57.6	8.7	^ ✓
94 - 4°	2590	q	11.2 - 4	17.6	8.5	^ ✓
95 - 4°	2580	q	8.9 - 4	15.9	8.5	^ ✓
96 - 4°	2579	q	8.7 - 4	15.9	8.9	^ ✓
97 - 4°	2576	q	8.5 - 4	49.0	8.5	^ ✓
98 - 4°	2573	q	7.3 - 4	53.9	8.0	^ ✓
99 - 5°	2751	q	6.3 - 5	13.7	9.0	^ ✓
100 - 5°	2754	q	7.4 - 5	49.3	9.0	^ ✓
101 - 5°	2759	q	9.0 - 5	16.3	9.0	^ ✓
102 - 5°	2761	q	9.2 - 5	24.6	9.1	^ ✓
103 - 5°	2756	q	8.3 - 5	6.5	9.0	^ ✓
104 - 4°	2566	q	5.8 - 4	35.5	8.5	^ ✓
105 - 4°	2565	q	5.3 - 4	42.2	7.8	^ ✓
106 - 5°	2738	q	3.1 - 5	34.1	7.5	^ ✓
107 - 3°	2604	q	4.8 - 3	58.0	7.4	^ ✓
108 - 4°	2564	q	5.1 - 4	7.9	8.2	^ ✓

Monday December 29, 1913

B19231 phot.

No.	Dist.	Class	Remarks
109	5	K2	
110	2	A0	
111	1	A3	
112	4	K0	
113	3	K2	
114	3	F0	
115	7	K0	
116	5	K2	
117	3	K0	
118	7	K5	
12,50	119	3	F8
120			

120	7	F0
121	6	G3
122	5	F0
123	6	F0

109 - 3°	2623 q	7.5 - 3	56.8	8.0	✓
110 - 3°	2622 q	7.1 - 3	45.0	8.8	✓
111 - 3°	2617 q	6.5 - 3	42.2	9.0	✓
112 - 3°	2635 q	9.1 - 3	56.0	8.0	✓
113 - 3°	2636 q	9.2 - 3	48.0	8.0	✓
114 - 4°	2603 q	15.6 - 4	14.3	8.3	✓
115 - 4°	2602 q	15.6 - 4	25.7	7.5	✓
116 - 4°	2608 q	16.7 - 4	44.5	7.8	✓
117 - 4°	2611 q	16.8 - 4	40.8	8.5	✓
118 - 4°	2609 q	16.8 - 4	50.6	7.5	✓
119 - 4°	2610 q	16.8 - 4	54.7	8.6	✓

Identified by Amc Feb. 5, 1914

Checked Feb. 10, 1914 L.W.

Cards made out by S.R.B.

Cards checked by Amc.

✓ 120 - 7	2766	q	8.3 - 7	53	7.0	40 m B18885
✓ 121 - 7	2772	q	9.0 - 7	45	7.5	41 " "
- 122 - 6	2825					108 m B19226
123 - 9	2808					1 m B21395

Monday December 29, 1913

B19392 short.

1.00

No.	Int.	class	Remark
1	7	F8	
2	1	G0	
3	2	G0	
4	4	F2	
5	4	K2	
6	5	F5	
7	6	K5	
8	2	K5	
9	1	G5	
10	7	F8	
11	1	F5	
12	3	A3	
13	5	A0	
14	2	F2	
15	3	K0	
16	2	A5	
17	2	A2	
18	1	K5	
19	4	F0	
20	10	A2	
21	2	F8	
22	2	K2	
23	7	K2	
24	5 ³	G5	superfused on 24
24 ²	2	G5	
25	4	K2	
26	2	K2	
27	4	K0	

1 - 0°	2131	q	1.4 - 0	11.3	8.3	✓
2 - 0°	2132	q	1.6 - 0	7.5	9.0	✓
3 - 0°	2133	q	1.6 - 0	32.2	9.0	✓
4 - 0°	2136	q	1.9 - 0	38.8	8.8	✓
5 - 0°	2138 ⁸	q	2.6 - 0	31.2	8.3	✓
6 - 0°	2140	q	2.6 - 0	29.4	8.5	✓
7 - 1°	2209	q	1.8 - 1	0.4	8.0	✓
8 - 1°	2208	q	1.0 - 1	5.0	8.8	✓
9 - 0°	2141	q	2.7 - 0	56.2	9.0	✓
10 - 0°	2143	q	3.7 - 0	57.5	8.1	✓
11 - 1°	2214	q	3.4 - 1	15.3	9.3	✓
12 - 1°	2212	q	2.6 - 1	45.2	9.3	✓
13 - 1°	2213	q	3.4 - 1	46.4	9.0	✓
14 - 1°	2216	q	3.9 - 1	55.9	9.3	✓
15 - 1°	2217	q	4.5 - 1	37.8	9.0	✓
16 - 2°	2811	q	5.0 - 2	1.1	9.4	✓
17 - 1°	2218	q	5.4 - 1	28.7	9.5	✓
18 - 1°	2221	q	6.2 - 1	47.9	9.1	✓
19 - 1°	2224	q	6.6 - 1	29.7	8.8	✓
20 - 0°	2158	q	7.5 - 0	59.3	7.1	✓
21 - 0°	2153	q	5.6 - 0	56.1	9.1	✓
22 - 0°	2152	q	5.4 - 0	37.6	8.6	✓
23 - 0°	2147	q	4.6 - 0	37.1	8.5	✓
24 - 0°	2164	q	8.3 - 0	38.2	8.7	✓
24a - 0°	2164	q	8.3 - 0	37.9	8.7	✓
25 - 0°	2165	q	8.4 - 0	44.6	8.7	✓
26 - 0°	2167	q	9.0 - 0	37.4	8.8	✓
27 - 0°	2166	q	8.7 - 0	21.8	8.7	✓

do not list -0° 2164
with -0° 2163 superimposed
see chart-plate 27460.

Monday December 29, 1913

B 193921 shot

No.	Dist.	Class	Remark
28	5	F8	
29	2	F2	Another super. at south?
30	4	A5	
31	2	F5	
32	5	K0	
33	3	A3	
34	1	K0	
35	1	K0	
36	4	K0	
37	1	K2	
38	1	K0	
39	1	K5	
40	7	K0	
41	1	G5	
42	4	K0	
43	1	K0	
44	2	K0	
45	6	A2	
46	9	A2	
47	2	F8	
48	2	K0	
49	1	G5	
50	1	K0	
51	4	G5	
52	1	K0	
53	1	F8	
54	2	K0	

28	-0°	2169	q	9.4	-0	13.2	8.8	1✓
29	-1°	2229	q	8.1	-1	14.9	9.4	1✓
30	-1°	2230	q	8.7	-1	13.8	9.0	1✓
31	-1°	2228	q	7.9	-1	45.4	9.0	1✓
32	-2°	2829	q	9.2	-2	5.2	8.3	1✓
33	-1°	2234	q	10.0	-1	57.9	9.3	1✓
34	-1°	2231	q	9.2	-1	34.1	9.3	1✓
35	-1°	2233	q	9.3	-1	31.2	9.0	1✓
36	-2°	2826	q	7.6	-2	28.7	8.8	1✓
37	-2°	2823	q	7.1	-2	19.4	9.1	1✓
38	-2°	2820	q	6.9	-2	7.4	9.3	1✓
39	-1°	2227	q	7.4	-1	37.0	9.5	1✓
40	-2°	2814	q	5.4	-2	26.4	7.5	1✓
41	-2°	2812	q	5.1	-2	23.8	9.0	1✓
42	-2°	2808	q	4.5	-2	33.2	8.3	1✓
43	-2°	2810	q	4.8	-2	55.6	9.1	1✓
44	-3°	2600	q	4.0	-3	20.1	9.0	1✓
45	-3°	2594	q	3.1	-3	11.5	8.3	1✓
46	-2°	2805	q	3.2	-2	50.3	7.7	1✓
47	-2°	2802	q	2.4	-2	59.3	9.1	1✓
48	-2°	2804	q	3.0	-2	32.3	9.1	1✓
49	-3°	2588	q	2.2	-3	0.0	9.3	1✓
50	-3°	2587	q	2.2	-3	8.4	9.5	1✓
51	-3°	2589	q	2.4	-3	26.6	8.8	1✓
52	-3°	2592	q	2.8	-3	36.2	9.3	1✓
53	-3°	2591	q	2.7	-3	47.4	9.3	1✓
54	-4°	2559	q	2.8	-4	0.8	9.0	1✓

Monday December 29, 1913

B 19392 short.

No.	Dist.	class	Remark
55	2	K2	
56	1	G0	
57	3	G0	
58	4	G0	
59	1	G5	Qmit. Ident. uncertain.
60	4	A2	
61	2	A5	
62	2	A2	
63	5	K0	
64	5	G5	
65	8	G0	
66	4	A2	
67	8	G5	
68	1	K0	
69	1	K2	
70	2	G0	
71	1	F8	
72	3	F8	
73	2	K0	
74	1	F8	
75	2	G5	
76	1	F0	
77	4	F0	
78	2	F1	Partly-super. on 77 & 79
79	5	M2	
80	2	A5	
81	1	G0	

55	-3°	2593	9	3.1	-3	54.1	9.0	1✓
56	-3°	2581	9	1.0	-3	41.5	9.2	1✓
57	-3°	2579	9	0.2	-3	52.9	8.8	1✓
58	-3°	2577	8	59.9	-3	22.4	8.6	1✓
59	-3°	2574	8	59.7	-3	31.5	9.3	1✓ ^{which is the one close to} ^{see chart plate} -3° 2575 Super. Magn. 9.6
60	-3°	2573	8	59.4	-3	35.2	9.0	1✓
61	-3°	2571	8	58.8	-3	51.6	9.2	1✓
62	-4°	2541	8	58.5	-4	4.3	9.5	1✓
63	-3°	2570	8	58.3	-3	0.1	8.2	1✓
64	-2°	2790	8	59.0	-2	21.1	8.8	1✓
65	-2°	2791	8	59.2	-2	1.5	7.7	1✓
66	-2°	2794	9	0.2	-2	30.2	8.8	1✓ ^{-2° 2795 Super. Magn. 9.6}
67	-1°	2207	9	0.7	-1	54.1	7.0	1✓
68	-3°	2603	9	4.7	-3	43.5	9.3	1✓
69	-4°	2567	9	5.9	-4	4.6	9.0	1✓
70	-3°	2611	9	6.2	-3	47.1	9.0	1✓
71	-3°	2608	9	5.3	-3	27.4	9.3	1✓
72	-3°	2612	9	6.3	-3	20.7	9.2	1✓
73	-3°	2614	9	6.4	-3	18.1	8.9	1✓
74	-3°	2619	9	7.0	-3	54.5	9.3	1✓
75	-4°	2572	9	7.2	-4	4.6	9.0	1✓
76	-3°	2627	9	7.9	-3	45.2	9.3	1✓
77	-3°	2625	9	7.8	-3	10.9	8.8	1✓
78	-3°	2626	9	7.8	-3	15.2	9.1	1✓
79	-3°	2628	9	7.9	-3	22.0	8.5	1✓
80	-3°	2630	9	8.1	-3	27.4	9.3	1✓
81	-3°	2631	9	8.2	-3	29.7	9.2	1✓

Monday December 29, 1913

B 19392 short.

No.	Int.	Class	Remark
82	1	G ₀	
83	3	A ₃	Maybe Comp. H γ + H δ rather faint for this class
84	2	F ₀	
85	6	K ₀	
86	3	F ₅	
87	8	A ₃	
88	4	F ₂	
89	2	K ₀	
90	10	A	Burned out
91	4	K ₂	
92	3	F ₈	
93	4	A ₂	
94	4	A ₀	
95	2	F ₅	
96	1	K ₀	
97	6	F ₀	
98	2	K ₀	
99	1	G ₀	
100	5	F ₀	
101	2	K ₂	
102	1	K ₀	
103	2	F ₅	
104	3	F ₅	
105	1	K ₀	
106	2	G ₀	
107	5	A ₂	
108	1	K ₂	

1.17

1.46

82 -3°	2639	q	9.3 - 3	27.6	9.2	1✓
83 -3°	2641	q	9.6 - 3	36.3	9.0	1✓
84 -3°	2644	q	10.0 - 3	35.9	9.1	1✓
85 -2°	2838	q	10.6 - 2	46.7	8.2	1✓
86 -2°	2840	q	11.5 - 2	32.4	8.8	1✓
87 -1°	2240	q	11.8 - 1	49.6	7.3	1✓
88 -2°	2851	q	13.7 - 2	21.2	8.8	1✓
89 -2°	2853	q	13.7 - 2	11.2	8.8	1✓
90 -2°	2859	q	14.4 - 2	10.1	7.2	1✓
91 -2°	2863	q	14.6 - 2	11.1	8.5	1✓
92 -2°	2866	q	14.9 - 2	31.5	9.1	1✓
93 -2°	2862	q	14.6 - 2	56.2	9.2	1✓
94 -2°	2860	q	14.4 - 2	55.2	8.8	1✓
95 -2°	2852	q	13.7 - 2	56.3	8.8	1✓
96 -3°	2657	q	12.5 - 3	6.5	9.4	1✓
97 -3°	2653	q	12.2 - 3	5.8	9.0	1✓
98 -2°	2837	q	10.6 - 2	57.1	9.3	1✓
99 -2°	2834	q	10.4 - 2	56.8	9.4	1✓
100 -3°	2644 ⁵	q	10.1 - 3	3.2	9.1	1✓
101 -2°	2833	q	9.9 - 2	56.4	9.0	1✓
102 -2°	2830	q	4.7 - 2	55.5	9.0	1✓
103 -2°	2835	q	10.4 - 2	20.7	9.3	1✓
104 -2°	2824	q	7.3 - 2	54.8	9.0	1✓
105 -2°	2818	q	6.7 - 2	52.7	9.2	1✓
106 -3°	2650	q	11.9 - 3	50.7	9.0	1✓
107 -3°	2654	q	12.3 - 3	45.0	8.5	1✓
108 -3°	2656	q	12.4 - 3	34.7	9.0	1✓

Monday December 29, 1913

B 19392 short.

No.	Sex.	class	Remark
109	4	G5	
110	2	K0	
111	2	Ma	
112	3	K2	
113	2	G0	
114	1	F5	
115	4	K0	
116	2	G0	
117	1	K2	
118	5	F8	
119	5	A2	
120	2	G0	
121	2	G5	
122	2	K5	
123	3	F0	
124	2	G5	
125	4	F8	
126	4	K5	
127	5	K0	
128	3	K0	
129	3	F5	
130	2	A2	
131	1	K2	
132	1	K5	
133	2	G0	
134	3	K0	
135	1	K0	

109 - 3°	2655 q	12.4 - 3	55.9	8.5 1 ✓
110 - 3°	2658 q	13.1 - 3	59.6	8.8 1 ✓
111 - 4°	2596 q	13.4 - 4	30.6	8.2 1 ✓
112 - 3°	2661 q	14.4 - 3	55.0	8.3 1 ✓
113 - 3°	2660 q	14.1 - 3	38.5	8.8 1 ✓
114 - 4°	2577 q	8.6 - 4	6.6	9.5 1 ✓
115 - 4°	2579 q	8.7 - 4	15.9	8.9 1 ✓
116 - 4°	2584 q	9.3 - 4	41.8	9.1 1 ✓
117 - 4°	2586 q	10.1 - 4	48.0	9.0 1 ✓
118 - 1°	2241 q	12.6 - 1	31.5	9.0 1 ✓
119 - 1°	2242 q	12.7 - 1	22.5	9.0 1 ✓
120 - 0°	2177 q	12.0 - 0	52.5	9.2 1 ✓
121 - 1°	2239 q	11.5 - 1	6.9	9.3 1 ✓
✓ 122 - 1°	2232 q	11.0 - 1	22.9	9.0 1 ✓
<i>Approx. pos. 1552</i>		10.0 - 1	10	
123 - 1°	2235 q	10.0 - 1	5.9	9.5 ✓
124 - 0°	2170 q	10.1 - 0	49.3	9.5 1 ✓
125 - 0°	2173 q	10.7 - 0	45.3	9.0 1 ✓
126 - 0°	2174 q	10.8 - 0	0.3	8.5 1 ✓
127 - 0°	2178 q	12.6 - 0	2.7	8.5 1 ✓
128 + 0°	2500 q	13.5 + 0	26.7	8.6 1 ✓
129 - 0°	2183 q	13.7 - 0	2.0	9.0 1 ✓
130 - 1°	2243 q	13.2 - 1	12.6	9.1 1 ✓
131 - 1°	2246 q	14.7 - 1	8.0	9.1 1 ✓
132 - 1°	2247 q	14.7 - 1	29.7	9.1 1 ✓
133 - 1°	2244 q	14.1 - 1	49.2	9.5 1 ✓
134 - 1°	2249 q	15.2 - 1	56.9	9.0 1 ✓
135 - 2°	2870 q	15.4 - 2	53.7	9.1 1 ✓

Monday December 29, 1913

B 19392 short

No.	Int.	class	Remark
136	2	K2	
137	2	K0	
138	3	F8	
139	2	K5	
140	2	F5	
141	10	F5	
142	3	K0	
143	1	K0	
144	1	G5	
145	3	K0	
146	2	F8	
147	1	G5	
148	1	K0	
149	1	G5	
150	3	K2	
151	2	G0	
152	2	K2	
153	4	G0	
154	3	F8	
155	2	F5	
156	3	F5	
157	3	K5	
158	7	G2	
159	6	F5	
160	3	G0	
161	5	F8	
162	5	G2	

1.58

Fri Jan. 2, 1914

10:57

136	-3°	2667	9	16.7	-3	54.9	8.7	1✓
137	-4°	2612	9	16.9	-4	24.8	8.8	1✓
138	-4°	2614	9	17.6	-4	27.0	9.0	1✓
139	-4°	2622	9	19.1	-4	5.6	8.2	1✓
140	-3°	2682	9	19.5	-3	47.2	9.2	1✓
141	-3°	2672	9	17.6	-3	39.7	7.0	1✓
142	-2°	2877	9	18.2	-2	47.6	8.2	1✓
143	-2°	2876	9	17.9	-2	2.0	8.9	1✓
144	-1°	2257	9	18.2	-1	23.9	9.1	1✓
145	-1°	2260	9	19.5	-1	8.0	8.5	1✓
146	-0°	2186	9	16.1	-0	29.8	8.8	1✓
147	-0°	2187	9	16.8	-0	46.3	9.2	1✓
148	-0°	2188	9	17.6	-0	36.5	9.1	1✓
149	-0°	2189	9	17.8	-0	28.2	9.1	1✓
150	+0°	2490	9	8.1	+0	13.6	8.8	1✓
151	-0°	2154 2151	9 9	5.8 5.2	-0 -0	5.9 12.5	9.2 9.3	✓
152	+0°	2476	9	3.7	+0	13.5	9.0	1✓
153	-1°	2202	8	59.1	-1	10.9	9.0	1✓
154	-1°	2205	8	59.6	-1	43.7	9.3	1✓
155	-0°	2127	8	58.8	-0	57.7	9.2	1✓
156	-1°	2196	8	57.7	-1	5.0	8.8	1✓
157	-1°	2194	8	57.5	-1	37.8	8.7	1✓
158	-1°	2193	8	57.3	-1	54.4	8.2	1✓
159	-1°	2192	8	56.3	-1	49.3	8.5	1✓
160	-2°	2783	8	56.9	-2	18.2	9.1	1✓
161	-2°	2782	8	56.8	-2	24.7	8.9	1✓
162	-2°	2780	8	56.2	-2	47.5	8.9	1✓

+North
A star following
superficial. Not in
Only one in am. cat.

Friday, January 2, 1914

B 19392 short

No.	Int.	Class	Remark
163	4	A ₂	
164	7	K ₀	
165	1	K ₀	
166	9	F ₅	
167	4	F ₅	
168	2	K ₂	
169	3	F ₈	
170	7	K ₀	
171	8	A ₅	
172	3	G ₅	
173	5	K ₂	
174	2	K ₂	
175	7	A ₀	
176	7	K ₂	
177	4	K ₀	
178	6	A ₀	
179	8	F ₈	
11:03	180	4	G ₅
	181		
	182		
	183		
	184		
181	185	3	A ₅ Another sup on fall.
182	186	1	F ₁₀ " " at v.

163	-2°	2776	8	55.7	-2	42.5	8.9	1✓
164	-2°	2772	8	54.9	-2	21.6	8.2	1✓
165	-2°	2774	8	55.4	-2	23.4	9.2	1✓
166	-1°	2188	8	55.1	-1	48.5	7.8	1✓
167	-2°	2770	8	54.8	-2	4.2	9.0	1✓
168	-2°	2768	8	54.5	-2	14.1	9.0	1✓
169	-2°	2765	8	54.0	-2	14.9	9.0	1✓
170	-1°	⁸¹ 2174	8	^{53.9} 52.7	-1	^{59.5} 59.4	^{7.8} 8.0	1✓
171	-2°	2766	8	54.1	-2	47.7	7.7	1✓
172	-2°	2771	8	54.9	-2	51.3	9.0	1✓
173	-1°	2174	8	52.7	-1	59.4	8.0	1✓
174	-2°	⁵ 2768	8	52.1	-2	25.7	8.8	1✓
175	-2°	2752	8	50.8	-2	34.5	8.5	1✓
176	-3°	2520	8	50.8	-3	1.2	8.2	1✓
177	-1°	2189	8	55.2	-1	14.2	8.7	1✓
178	-0°	2116	8	55.1	-0	54.6	8.9	1✓
179	-0°	2112	8	54.6	-0	33.4	7.9	1✓
180	-1°	2173	8	52.5	-1	1.0	8.8	1✓

Identified by AMC Feb. 13, 1914
 Checked Feb. 23, 1914 J. D. W.

Cards made out by G. R. B.

Cards checked by AMC.

✓ 181	-0°	2161	9	8.1	-0	2	8.9	{ 50° 2162 superposed following 4.5 south 1" mag. 9.17 No other star on chart Plate B27460.
/ 182	+1°	2266	9	9.1	+1°	11	8.8	

Monday December 29, 1913

2.00

B21505 short.

No.	Sub.	Class	Remark
✓ 1	7	A5	
✓ 2	8	A5	
✓ 3	1	K0	
✓ 4	1	G5	
✓ 5	3	G0	
✓ 6	6	A0	
✓ 7	4	Comp	B _v = F5 H = A3 K = 3 of H.
✓ 8	10	F5	
✓ 9	1	K0	
✓ 10	7	G5	
✓ 11	4	K2	
✓ 12	2	K5	
✓ 13	2	K0	
✓ 14	1	F5	
✓ 15	2	G5	
✓ 16	3	K0	
✓ 17	7	A0	
✓ 18	3	K0	
✓ 19	4	A3	
✓ 20	5	G5	
✓ 21	3	F8	
✓ 22	3	A5	
✓ 23	6	K0	
✓ 24	8	K0	
✓ 25	2	G5	
✓ 26	7	A0	
✓ 27	3	K0	

1	-0°	2201	9	21.7	-0	37	6.7	✓
2	-1°	2268	9	22.1	-1	34	6.7	✓
3	-1°	2261	9	19.5	-1	53	8.5	✓
4	-2°	⁸⁵ 2808	9	^{19.5} 4.5	-2	³⁷ 33	⁶ 8.3	✓
5	-3°	2685	9	20.2	-3	10	^{7.5} 8	✓
6	-2°	2904	9	22.0	-2	32	7.3	✓
7	-2°	2906	9	22.3	-2	29	7.8	✓
8	-2°	2901	9	21.8	-2	7	5.0	-2° 2902 sup. 8.3
9	-2°	2905	9	22.2	-2	16	8.8	✓
10	-3°	2693	9	22.3	-3	37	6.5	✓
11	-3°	2698	9	23.4	-3	26	7.3	✓
12	-3°	2700	9	23.9	-3	52	8.4	✓
13	-3°	2701	9	24.7	-3	46	8.5	✓
14	-3°	2704	9	⁰ 25.7	-3	47	^{8.8} 9.4	✓
15	-3°	2707	9	26.0	-3	46	8.3	✓
16	-2°	2916	9	24.0	-2	41	7.2	✓
17	-2°	2917	9	24.5	-2	45	7.5	✓
18	-2°	2919	9	24.9	-2	53	7.8	✓
19	-3°	2713	9	27.1	-3	8	8.2	✓
20	-2°	2925	9	27.2	-2	51	7.0	✓
21	-2°	2924	9	26.9	-2	30	8.3	✓
22	-2°	2928	9	28.0	-2	37	8.3	✓
23	-2°	2934	9	29.1	-2	7.9	7.5	✓
24	-2°	2939	9	30.4	-2	31	6.0	✓
25	-2°	2944	9	31.2	-2	16	8.3	✓
26	-2°	2946	9	31.7	-2	11	7.3	✓
27	-3°	2733	9	31.1	-3	12	^{7.5} 8.9	✓

Monday December 29, 1913

B21505 short.

No.	Int.	Class	Remark
✓ 28	3	K2	
✓ 29	2	K2	
✓ 30	5	A0	
✓ 31	3	G0	
✓ 32	4	A0	
✓ 33	4	G5	
✓ 34	10	K0	
✓ 35	2	K0	
✓ 36	3	A0	
✓ 37	6	K0	
✓ 38	4	A2	
✓ 39	3	K0	
2107 ✓ 40	10+	A	

2111 ✓ 41 7. B9x .

28	-3°	2736	9	31.7	-3	22	7.8✓
29	-3°	2737	9	31.8	-3	44	8.1✓
30	-3°	2739	9	32.3	-3	33	8.5✓
31	-3°	2738 ²	9	30.0	-3	26	8.3✓
32	-0°	2229	9	30.8	-0	50	8.5✓
33	-1°	2290	9	33.2	-1	3	8.5✓
34	-0°	2231	9	32.5	-0	29	4.0✓
35	-0°	2232	9	32.8	-0	21	8.7✓
36	-0°	2234	9	33.2	-0	27	9.0✓
37	+0°	2546	9	35.0	+0	22	7.2✓
38	+0°	2536	9	30.5	+0	19	8.0✓
39	+0°	2533	9	28.4	+0	51	8.0✓
40	-0°	2211	9	24.6	-0	32	4.8✓

Identified on cards by Amc. May 21, 1914
 Identified in book by J.B.M. May 29, 1914
 Identification compared cards & book, by G.R.B.

✓ 41 9 14.4 -2 10 -2° 2859 7.2 from B18382

Thursday January 1, 1914

B12387 short

3.17

No.	Dist.	Class	Remark
1	4	K2	
2	3	G5	
3	2	K0	
4	2	F8	
5	5	F8	
6	3	G5	
7	4	A5	
8	2	F8	
9	4	K0	
10	2	K2	
11	3	F8	E.
12	5	F2	
13	3	K5	
14	2	K2	
15	2	G0	
16	2	A2	
17	2	F8	
18	4	F5	
19	2	K5	
20	3	K2	
21	7	A0	Prismatic companion obs.
22	1	K0	
23	5	A0	
24	2	K5	
25	4	G0	
26	2	G0	
27	4	G5	

1 +5°	343	2	21.9	+5	6.7	8.3 ✓
2 +5°	353	2	25.0	+5	41.7	8.7 ✓
3 +5°	361	2	27.0	+5	38.3	8.4 ✓
4 +6°	393	2	27.5	+6	10.2	8.5 ✓
5 +4°	412	2	25.2	+4	34.4	8.3 ✓
6 +4°	414	2	26.9	+4	36.9	8.8 ✓
7 +5°	373	2	31.3	+5	5.9	8.5 ✓
8 +5°	372	2	30.8	+5	39.0	8.8 ✓
9 +6°	405	2	31.0	+6	19.0	8.5 ✓
10 +6°	409	2	34.4	+6	15.5	8.5 ✓
11 +7°	413	2	34.1	+7	3.6	8.5 ✓
12 +6°	420	2	38.3	+6	37.7	8.5 ✓
13 +5°	391	2	38.0	+5	56.5	8.5 ✓
14 +5°	388	2	37.3	+5	43.3	8.8 ✓
15 +5°	385	2	36.2	+5	38.3	8.8 ✓
16 +4°	433	2	36.2	+4	57.4	9.0 ✓
17 +4°	424	2	32.4	+4	29.9	8.8 ✓
18 +2°	410	2	32.6	+2	17.9	8.3 ✓
19 +1°	462	2	32.3	+1	30.1	8.5 ✓
20 +1°	467	2	33.8	+1	36.7	9.0 ✓
21 +2°	423	2	36.0	+2	38.6	9.1 ✓
22 +2°	429	2	39.5	+2	20.7	9.0 ✓
23 +2°	432	2	40.4	+2	34.1	8.8 ✓
24 +2°	430	2	39.9	+2	42.8	8.8 ✓
25 +2°	437	2	43.4	+2	42.1	8.5 ✓
26 +3°	391	2	43.3	+3	12.6	8.5 ✓
27 +3°	393	2	43.6	+3	51.6	8.3 ✓

cards made out

Thursday January 1, 1914

B 12387 short.

No.	Int.	Class	Remark
28	1	F8	
29	2	K5	
30	1	K5	
31	3	K0	
32	2	F0	
33	1	K2	
34	1	G	
35	1	K0	
36	1	A2	
37	2	G5	
38	2	G0	
39	3	F5	
40	2	F8	
41	3	G5	
42	2	F8	
43	1	K5	
3.26	44	1	K0
	45		
	46		
	45	3	G0
	46	3	F5
	47	3	G5
	48	5	K0
	49	4	K0

28 +3°	397	2	44.7 +3	44.1	8.8	✓
29 +2°	443	2	45.4 +2	57.0	8.7	✓
30 +3°	405	2	46.6 +3	21.2	8.8	✓
31 +2°	447	2	47.2 +2	58.7	8.7	✓
32 +4°	456	2	46.1 +4	31.4	9.0	✓
33 +4°	455	2	45.8 +4	41.4	9.0	✓
34 +4°	454	2	45.5 +4	51.2	8.5	✓
35 +1°	492	2	41.2 +1	36.3	9.0	✓
36 +1°	491	2	41.1 +1	9.4	9.3	✓
37 +1°	504	2	44.1 +1	49.2	8.8	✓
38 +1°	506	2	44.8 +1	20.1	9.0	✓
39 +2°	368	2	16.6 +2	17.6	8.8	✓
40 +1°	420	2	15.4 +1	41.6	9.0	✓
41 +1°	435	2	21.5 +1	39.1	9.0	✓
42 +2°	389	2	23.0 +2	10.5	9.0	✓
43 +3°	339	2	20.2 +3	45.5	8.5	✓
44 +4°	405	2	22.1 +4	14.6	9.0	✓

Identified by J. B. M. Jan. 2, 1914

Checked by A.M.C. Jan. 3, 1914

Cards made out by G.R.B.

Cards checked by A.M.C.

✓ 45 +2°	384	2	21.5 +2	58	8.8	10 on B10382
✓ 46 +3°	331	2	17.0 +3	25	8.8	13 " "
✓ 47 +3	354	2	26.2 +3	8	8.7	58 on J37541
✓ 48 +5	356	2	25.4 +5	3	8.2	83 " "
✓ 49 +1	471	2	35.5 +1	40	8.5	45 " "

Thursday Jan. 1, 1914

3.30

B12389 short

No.	Sex.	Class	Remark
1	3	Ks-	
2	2	Ko	
3	2	Ks-	
4	4	Ko	
5	6	Go	
6	1	A	
7	3	Ko	
8	7	Ao	
9	3	G5	
10	2	Ao	
11	2	G5	
12	2	G5	
13	5	Fo	
14	3	F8	
15	2	Ko	
16	3	Go	
17	7	Ao	
18	8	Fo	
19	5	F2	
20	2	Fo	
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

3.35

Trail of	1 +3°	419	2	54.7 +3	31.1	2.5 ✓
	2 +4°	493	2	58.6 +4	15.4	8.0 ✓
	3 +4°	496	2	59.6 +4	26.9	8.7 ✓
	4 +5°	450	2	58.9 +5	4.0	8.3 ✓
	5 +4°	501	3	2.0 +4	38.3	8.6 ✓
	6 +4°	508	3	4.3 +4	52.9	9.1 ✓
	7 +6°	501	3	7.4 +6	33.3	8.8 ✓
	8 +6°	483	3	0.2 +6	41.2	8.0 ✓
	9 +5°	471	3	10.4 +5	56.6	8.7 ✓
	10 +5°	479	3	12.6 +5	41.1	8.5 ✓
	11 +3°	456	3	11.2 +3	40.8	8.8 ✓
	12 +4°	519	3	9.1 +4	29.7	8.7 ✓
	13 +2°	502	3	7.1 +2	14.3	8.5 ✓
	14 +1°	566	3	6.9 +1	53.7	8.8 ✓
	15 +1°	573	3	9.4 +1	48.6	9.0 ✓
	16 +1°	577	3	11.4 +1	47.5	8.8 ✓
	17 +2°	498	3	5.3 +2	8.9	8.3 ✓
	18 +0°	531	3	2.4 +0	56.2	8.1 ✓
	19 +0°	529	3	1.5 +0	33.4	8.6 ✓
	20 +3°	432	2	59.1 +3	38.1	9.0 ✓

Identified by J.B.M. Jan. 2, 1914

Checked by A.M.C. Jan. 3, 1914

Cards made out by S.R.B.

Cards checked by A.M.C.

✓	21 +3°	434	3	2.8 +3	42	8.9	9	on I 38062
✓	22 +2°	510	3	9.2 +2	19	9.0	7	on I "
	23 +3°	445	3	5.9 +3	6.	8.8	✓	
	24 +1	558	3	0.2 +1	17	8.5	28	on D 10311

1913phae.proj.2160C