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Wednesday, Nov. 27, 1912.
B 14623 Rhod discs.

Time: 10.17

No.	Int.	Class	Remark
1	3	Jf2	
2	1	fg	
3	4	Jf0	
4	10+	Jf	
5	6	Jmd.	H Rlv. = 50. Hγ = 5. H δ = 3 sharp. Hη = 1. Hε = Mtr.
6	3	Jf2	
7	2	fs	
8	6	Jf2	
9	7	Jf2	
10	2	fg0	
11	4	Jfs	
12	3	fs	
13	4	fgs	
14	3	fs	
15	2	Jf0	
16	2	Jf2	
17	7	Af	
18	9	Jf0	
19	7	Jf0	
20	1	fg	Partly superposed on 18.
21	7	Af0	
22	1	fg0	
23	5	Jf2	
24	3	Jf2	E.
25	7	Jf0	
26	5	Jf0	
27	5	fgs	

1	-16°	6332	23	32.7	-16	13.0	8.2
2	-16°	6336	23	34.1	-16	25.7	8.8
3	-16°	6341	23	34.5	-16	16.0	8.1
4	-16°	6345	23	34.9	-16	15.0	5.3
5	-16°	6352	23	36.3	-16	5.2	Var.
6	-16°	6353	23	36.5	-16	28.0	8.7
7	-15°	6485	23	36.9	-15	46.7	9.0
8	-15°	6487	23	37.0	-15	13.6	8.1
9	-15°	6491	23	38.4	-15	33.6	7.8
10	-15°	6495	23	38.7	-15	17.8	9.0
11	-15°	6494	23	38.5	-15	56.2	8.3
12	-15°	6497	23	39.9	-15	21.7	9.1
13	-16°	6370	23	41.1	-16	0.7	8.4
14	-15°	6500	23	41.1	-15	39.6	8.6
15	-15°	6501	23	41.7	-15	43.5	8.8
16	-15°	6502	23	42.2	-15	35.1	9.0
17	-15°	6503	23	42.5	-15	8.7	8.4
18	-15°	6507	23	43.1	-15	12.3	6.0
19	-15°	6505	23	43.0	-15	23.1	7.3
20	-15°	6508	23	43.1	-15	16.8	9.1
21	-14°	6563	23	44.2	-14	47.2	8.1
22	-14°	6564	23	44.6	-14	39.9	9.0
23	-14°	6567	23	45.4	-14	53.5	8.2
24	-13°	6457	23	36.7	-13	59.2	8.5
25	-14°	6536	23	37.9	-14	28.9	7.5
26	-14°	6539	23	38.5	-14	15.8	7.8
27	-14°	6540	23	38.8	-14	9.7	7.9

cards made out

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Wednesday, Nov. 27, 1912.

B14623 short exps.

No	Int.	Class	Remark
28	7	F0	
29	5	F0	
30	2	F5	
31	2	kp	
32	3	F0	
33	8	F0	
34	4	F0	
35	1	kp	
36	2	k5	
37	1	kp	
38	2	F8	
39	2	kp	
40	1	kp	
41	1	k5	
42	1	k	
43	2	k5	
44	5	A0	
45	2	A	
46	3	A	Maybe a trail of a very bright star.
47	2	F2	
48	1	F	
49	4	kp	
50	3	kp	
51	3	A0	
52	3	F5	
53	7	F5	
54	5	F5	

28	-14°	6550	23	40.5	-14	43.0	7.6	✓
29	-14°	6552	23	41.2	-14	41.3	8.5	✓
30	-14°	6553	23	41.4	-14	58.0	9.0	✓
31	-14°	6557	23	41.8	-14	21.6	8.8	✓
32	-14°	6558	23	41.8	-14	6.3	8.7	✓
33	-13°	6471	23	43.0	-13	55.3	7.1	✓
34	-13°	6472	23	43.5	-13	37.5	8.6	✓
35	-15°	6521	23	48.0	-15	39.2	8.5	✓
36	-15°	6528	23	52.9	-15	17.8	8.5	✓
37	-16°	6407	23	55.1	-16	38.7	8.8	✓
38	-14°	6609	23	56.3	-14	53.6	9.0	✓
39	-16°	6	0	0.8	-16	30.0	8.9	✓
40	-16°	6410	23	56.9	-16	37.9	8.8	✓
41	-16°	6411	23	57.2	-16	42.2	8.8	✓
42	-17°	6874	23	59.0	-17	14.0	8.8	✓
43	-17°	6875	23	59.0	-17	32.7	8.6	✓
44	-18°	6419	23	56.8	-18	13.7	8.5	✓
45	May be a trail of a very bright star. Prismatic companion of a very bright star.							V B 3 4 3 6 9 shows no star, chart plate
46	~~-18°~~	~~6414~~	~~23~~	~~56.0~~	~~-18~~	~~6.4~~	~~8.5~~	✓
47	-18°	6416	23	56.2	-18	21.2	8.8	✓
48	-18°	6424	23	58.3	-18	58.8	9.1	✓
49	-18°	6421	23	57.5	-18	59.2	8.7	✓
50	-17°	6797	23	34.0	-17	28.9	8.8	✓
51	-17°	6807	23	36.4	-17	37.4	9.0	✓
52	-17°	6814	23	38.6	-17	56.3	7.8	✓
53	-17°	6819	23	40.7	-17	29.9	7.0	✓
54	-17°	6363	23	40.1	-17	47.1	8.2	✓

Cards made out

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Wednesday, Nov. 27, 1912.

B14623 chart disk.

No.	Int.	Class	Remark
55	4	K0	
56	2	K0	
57	4	Md	H flat = 5. H flat 2. 1p brightest towards H3. Branches barely seen.
58	1	G5	
59	4	A5	
60	3	F5	
61	3	G0	
62	4	G5	
63	4	F2	
64	6	K0	
65	5	K0	
66	1	F	
67	6	K0	
68	2	G	
69	2	K0	
70	3	K2	
71	4	A5	
72	2	F0	
73	4	G5	
74	5	A2	
75	5	F0	
76	4	F5	
77	2	F5	
78	7	K0	
79	6	F5	
80	5	K0	
81	2	G5	

55	−17°	6825	23	41.6	−17	4.0	8.5 ✓
56	−16°	6376	23	43.3	−16	55.7	8.6 ✓
57	−16°	6379	23	44.8	−16	39.7	9.1 ✓
58	−17°	6834	23	44.7	−17	12.5	8.8 ✓
59	−17°	6837	23	45.4	−17	31.4	8.7 ✓
60	−18°	6403	23	49.1	−18	4.6	8.5 ✓
61	−16°	6390	23	49.9	−16	54.0	8.4 ✓
62	−17°	6806	23	51.9	−17	46.8	8.3 ✓
63	−18°	6409	23	52.6	−18	49.2	8.4 ✓
64	−19°	6549	23	51.7	−19	20.6	8.0 ✓
65	−19°	6553	23	52.4	−19	18.9	8.5 ✓
66	−19°	6552	23	52.4	−19	33.4	9.1 ✓
67	−20°	6682	23	51.4	−20	27.2	8.0 ✓
68	−20°	6685	23	52.1	−20	20.0	8.8 ✓
69	−20°	6688	23	52.5	−20	18.3	8.8 ✓
70	−20°	6689	23	52.7	−20	12.7	8.5 ✓
71	−21°	6505	23	50.9	−21	7.4	8.6 ✓
72	−20°	6681	23	51.2	−20	49.7	9.0 ✓
73	−19°	6540	23	47.4	−19	56.2	8.5 ✓
74	−18°	6404	23	~~50.9~~ 48.7	−18	~~15.9~~ 48.7	9.8 ✓
75	−18°	6370	23	40.0	−18	44.2	8.4 ✓
76	−19°	6510	23	39.6	−19	58.5	8.3 ✓
77	−20°	6655	23	39.6	−20	9.8	8.7 ✓
78	−19°	6513	23	41.0	−19	41.5	8.0 ✓
79	−19°	6521	23	43.7	−19	51.1	8.5 ✓
80	−19°	6524	23	44.4	−19	28.2	8.7 ✓
81	−19°	6525	23	44.9	−19	1.2	8.8 ✓

cards made out

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Wednesday June 27, 1912.
B 14 623 short disp.

	No.	Int.	Class	Remark
	82	7	F8	
	83	1	F0	
	84	2	G0	
Time 10 37	85	2	F8	
	86	3	F5	G
Jan 10, 1916	87	4	K0	
	88	2	G0	Sup. on 87
	89	4	Ma	
	90	7	F5	
	91	1	F5	
	92	6	K2	Wide band of absorption at 4227
	93	5	F5 G0	Sp. composite
	94	3	A0	
	95	10	G5	- -
	96	6	A0	
	97	6	K0	
	98	6	F0	
	99	3	K2	
	100	3	F5	
	101	18	F8	

82	-18°	6389	23	44.8	-18	49.6	8.2	✓	
83	-18°	6383	23	44.1	-18	40.2	8.9	✓	
84	-18°	6378	23	42.7	-18	10.8	8.6	✓	
85	-18°	6387	23	44.7	-18	12.4	8.8	✓	
86	-18°	34	0	9.2	-18	41.9	8.3	✓	

Identified by J.B.W. Dec. 2, 1912
Checked by ANC, Dec. 6, 1912
cards made out by Mr C. W.
Cards checked by E.R.B.

87	-17°	17	0	5.8	-17	59	8.0	✓	
88	-17°	16	0	5.8	-17	58	8.9	✓	No. 25 on B10109
89	~~-22°~~ -17°	~~6836~~ 6225	23	~~45.2~~ 48.6	~~-22~~ -17	~~58~~ 58	~~7.3~~ 7.0	✓	No. 15 " "
90	-14°	6579	23	48.3	-14	46	7.5	✓	No. 3 on B10109
91	-17	22	0	7.4	-17	58	9.0	✓	" 14 " B12365
92	-16	6384	23	50.9	-16	39	6.2	✓	5 on B10109
93	-19	6533	23	46.3	-19	10	7.8	✓	39 on "
94	-19°	6581 (3)	23	48.7 (6 1)	-19	54 (11)	8.5 (9.1)	✓	
95	-13	6439	23	50.2	-13	52	5.5	✓	16 on B20146
96	-15°	6506	23	43.0	-15	47	7.5	✓	1 on B10109
97	-16°	6373	23	42.0	-16	40	6.3	✓	14 " "
98	-14°	6588	23	51.1	-14	56	7.0	✓	4 " "
99	-17°	6864	23	54.3	-17	20	7.5	✓	17 " "
100	-20°	6668	23	47.5	-20	51	8.0	✓	55 " "
101	-20°	6703	23	55.5	-20	51	5.8	✓	57 " "

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Wednesday, Nov. 27, 1912

B 20146 shot aside

Time: 10.49

No.	Int.	Class	Remark
1	2	K0	E.
2	8	K0	E.
3	3	G5	E.
4	4	G5	E.
5	3	G0	E.
6	9	F2	E.
7	4	F2	
8	2	G	E.
9	10	K0	
10	3	K0	
11	2	G5	
12	6	K0	
13	10	K0	
14	3	F0	
15	5	F0	
16	10	G5	
17	4	K0	
18	4	F8	
19	2	F5	
20	2	K0	
21	2	G5	
22	3	K2	
23	5	K0	
24	2	A2	
25	4	G5	Quarter Star partly superposed.
26	2	K0	
27	2	K0	

1	−9°	6275	23	45.3	−9	42.4	8.5	✓
2	−9°	6277	23	45.4	−9	48.1	6.2	✓
3	−11°	6152	23	45.5	−11	37.8	8.8	✓
4	−12°	6578	23	44.7	−12	31.5	8.5	✓
5	−12°	6571	23	43.2	−12	25.0	8.5	✓
6	−11°	6146	23	42.6	−11	54.5	6.8	✓
7	−12°	6565	23	41.0	−12	18.7	8.0	✓
8	−12°	6566	23	41.2	−12	34.6	8.8	✓
9	−12°	6559	23	39.8	−12	42.8	6.0	✓
10	−13°	6461	23	39.1	−13	33.7	8.5	✓
11	−13°	6454	23	35.7	−13	0.9	9.0	✓
12	−12°	6542	23	35.3	−12	8.1	7.4	✓
13	−12°	6535	23	33.6	−12	29.1	6.1	✓
14	−14°	6523	23	33.8	−14	16.9	8.3	✓
15	−14°	6509	23	31.0	−14	30.7	8.0	✓
16	−13°	6439	23	30.2	−13	52.0	5.5	✓
17	−14°	6506	23	29.8	−14	8.1	7.8	✓
18	−14°	6504	23	29.6	−14	21.7	8.0	✓
19	−14°	6502	23	29.4	−14	21.3	8.9	✓
20	−14°	6499	23	28.8	−14	16.4	8.3	✓
21	−14°	6496	23	28.2	−14	15.1	8.5	✓
22	−14°	6492	23	26.7	−17	23.2	8.3	✓
23	−15°	6455	23	26.6	−15	1.3	8.0	✓
24	−14°	6487	23	25.8	−14	56.8	8.5	✓
25	−14°	6484	23	24.8	−14	25.0	8.8	✓
26	−14°	6485	23	24.8	−14	5.7	8.6	✓
27	−13°	6439	23	25.8	−13	28.1	8.7	✓

−14° 6486 Superposed on magn. 9.1

Cards made out

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Wednesday, Mar. 27, 1912.

93 20146 short disp.

No.	Int.	Class	Remark
28	9	A0	
29	8	F0	
30	7	A3	
31	6	F5	
32	6	F0	
33	6	F0	
34	8	F5	
35	2	G0	
36	9	G5	
37	2	G5	
38	4	G0	Partly superposed on 39
39	7	G5	
40	5	F5	
41	4	F2	
42	3	F2	
43	4	F2	
44	2	F0	Another star superposed.
45	8	G5	
46	8	F5	
47	7	A3	
48	9	A0	
49	5	F5	
50	4	F0	
51	2	K0	
53	3	F8	
53	3	F0	
54	3	F5	

28	-13°	6428	23	25.7	- 13	24.7	6.3 ✓
29	-13°	6431	23	27.1	- 13	7.3	8.7 ✓
30	-12°	6523	23	27.7	- 12	22.8	8.0 ✓
31	-12°	6514	23	25.5	- 12	47.0	8.6 ✓
32	-12°	6508	23	24.3	- 12	44.6	7.5 ✓
33	-12°	6505	23	23.8	- 12	59.6	8.3 ✓
34	-12°	6510	23	24.7	- 12	20.5	6.7 ✓
35	-12°	6513	23	25.1	- 12	7.6	9.0 ✓
36	-11°	6098	23	24.9	- 11	47.8	7.0 ✓
37	-11°	6092	23	24.4	- 11	47.6	8.6 ✓
38	-11°	6112	23	28.5	- 11	30.3	9.0 ✓
39	-11°	6111	23	28.5	- 11	29.2	8.0 ✓
40	-11°	6110	23	28.0	- 11	21.4	7.3 ✓
41	-10°	6145	23	30.2	- 10	46.4	7.8 ✓
42	-10°	6139	23	27.8	- 10	29.2	8.0 ✓
43	-10°	6134	23	26.8	- 10	30.4	8.0 ✓
44	-11°	6106	23	27.3	- 11	23.0	8.9 ±11° 6107 superposed — mags. 9.1
45	-9°	6224	23	30.7	- 9	25.8	7.2 ✓
46	-9°	6220	23	28.5	- 9	34.2	7.4 ✓
47	-7°	6055	23	28.8	- 7	55.1	7.8 ✓
48	-8°	6142	23	28.1	- 8	16.2	6.3 ✓
49	-8°	6141	23	27.6	- 8	28.8	7.3 ✓
50	-9°	6210	23	25.4	- 9	57.6	7.8 ✓
51	-10°	6130	23	25.6	- 10	10.1	8.5 ✓
52	-10°	6131	23	25.7	- 10	15.8	8.8 ✓
53	-10°	6125	23	23.4	- 10	57.3	8.5 ✓
54	-11°	6088	23	22.7	- 11	14.9	8.6 ✓

cards made out

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Wednesday Nov. 27, 1912.
B 20146 slits 5 wide

No.	Int.	Class	Remark
55	1.	N	
56	2	F5	
57	5	F0	
58	4	F5	
59	6	Ma	
60	8	A2	
61	4	Ma	
62	10	G0	
63	6	K8	
64	3	Ma	
65	3	M2	
66	4	F0	
67	1	M0	
68	8	M0	
69	2	G0	
70	2	F	E.
71	5	M0	
72	2	A2	
73	3	F0	
74	9	M0	
75	2	F8	
76	1	F	
77	5	M0	
78	7	G	
79	4	G	E.
80	4	G	E.
81	2	M0	

55	−14°	6481	2.3	23.7	−14	11.9	8.9	✓
56	−14°	6479	2.3	23.2	−14	6.2	8.7	✓
57	−13°	6419	2.3	22.4	−13	40.3	8.3	✓
58	−13°	6411	2.3	21.0	−13	48.0	8.5	✓
59	−13°	6407	2.3	19.9	−13	43.6	7.0	✓
60	−13°	6404	2.3	18.8	−13	44.6	7.3	✓
61	−13°	6408	2.3	20.6	−13	0.8	7.7	✓
62	−12°	6496	2.3	20.5	−12	14.8	6.3	✓
63	−11°	6076	2.3	19.2	−11	49.7	8.2	✓
64	−11°	6071	2.3	18.3	−11	57.3	8.3	✓
65	−11°	6074	2.3	18.8	−11	28.5	8.5	✓
66	−10°	6114	2.3	19.1	−10	49.5	8.3	✓
67	−10°	6119	2.3	21.4	−10	53.6	8.5	✓
68	−10°	6120	2.3	21.5	−10	3.7	7.0	✓
69	−9°	6202	2.3	22.1	−9	28.0	8.7	✓
70	−9°	6197	2.3	21.1	−9	19.3	8.3	✓
71	−11°	6064	2.3	18.5	−11	34.0	8.0	✓
72	−12°	6485	2.3	18.3	−12	24.7	9.1	✓
73	−13°	6402	2.3	17.9	−13	19.1	8.5	✓
74	−10°	6177	2.3	42.8	−10	46.7	6.5	✓
75	−10°	6169	2.3	40.2	−10	44.1	8.3	✓
76	−11°	6135	2.3	38.5	−11	19.9	8.3	✓
77	−9°	6260	2.3	39.4	−9	41.8	7.7	✓
78	−9°	6258	2.3	39.1	−9	48.1	7.5	✓
79	−9°	6247	2.3	37.2	−9	39.6	8.2	✓
80	−9°	6248	2.3	37.2	−9	16.4	7.3	✓
81	−12°	6531	2.3	31.6	−12	20.9	8.6	✓

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Wednesday, Jan 27, 1915

P 20146 Shatauf.

No	Int.	Class	Remark
82	10+	B9	
83	10+	A3	
84	8	F0	
85	2	G5	
86	4	F0	
87	8	F0	
88	3	F2	
89	3	F2	
90	1	G0	
91	1	F5	
92	6	F5	E.
93	8	A	E.
94	1	G	E.
95	3	F0	E.
96			
97			

Time 11.08

82	−15°	6477	2.3	35.2	−15	20.6	4.8
83	−15°	6471	2.3	32.2	−15	1.3	5.3
84	−15°	6464	2.3	30.5	−15	53.3	6.5
85	−16°	6324	2.3	30.1	−16	0.9	8.0
86	−16°	6317	2.3	28.2	−16	5.7	7.0
87	−16°	6314	2.3	27.3	−16	2.5	6.0
88	−15°	6446	2.3	24.4	−15	44.2	7.8
89	−15°	6444	2.3	24.2	−15	36.4	7.9
90	−14°	6478	2.3	22.7	−14	46.3	8.6
91	−14°	6475	2.3	21.2	−14	50.0	8.6
92	−16°	6293	2.3	20.4	−16	5.6	6.8
93	−16°	6291	2.3	19.4	−16	2.6	7.0
94	−14°	6470	2.3	18.3	−14	56.9	9.0
95	−14°	6467	2.3	17.8	−14	48.4	7.8

Identified by ANC. Dec. 3, 1912

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

cards made out by M.C.W.

Cards checked by E.R.B.

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Friday, June 29 1918.

Time: 10.20

[13 24 027] short disp.

No.	Int.	Class	Remark
1	1	H0	
2	2	H0	Partly superposed on a bright star to south.
3	1	H0	
4	3	H2	
5	-2	G0	
6	1	K5	
7	2	K0	
8	1	G5	
9	2	G5	[Some error in numbering.] Focus poor. E.
10	2	K	
11	5	F2	
12	2	H0	
13	2	H2	
14	5	F5	
15	1	H0	
16	1	G0	
17	1	H5	
18	3	G5	
19	1	F8	
20	7	A0	
21	8	H0	
22	2	H0	
23	2	K5	
24	7	F5	
25	5	F8	
26	4	F5	
27	1	H0	

1	-19°	6538	23	47.4	-19	23.7	9.4 ✓
2	-19°	6534	23	46.3	-19	5.5	9.3 ✓
3	-19°	6532	23	46.3	-19	1.2	9.1 ✓
4	-19°	6530	23	46.0	-19	4.2	8.7 ✓
5	-19°	6526	23	44.9	-19	22.2	9.4 ✓
6	-18°	6380	23	43.4	-18	52.0	9.2 ✓
7	-19°	6518	23	43.0	-19	3.9	9.4 ✓
8	-18°	6379	23	43.0	-18	56.4	9.3 ✓
9	-18°	6394	23	47.6	-18	25.2	9.2 ✓
10	-18°	6391	23	45.2	-18	26.0	9.3 ✓
11	-18°	6387	23	44.7	-18	12.4	8.8 ✓
12	-17°	6832	23	44.3	-17	41.2	9.1 ✓
13	-18°	6381	23	43.4	-18	12.8	9.0 ✓
14	-18°	6378	23	42.7	-18	10.8	8.6 ✓
15	-19°	6516	23	42.4	-19	12.7	9.4 ✓
16	-19°	6515	23	41.7	-19	0.8	9.2 ✓
17	-18°	6372	23	41.2	-18	52.7	9.3 ✓
18	-18°	6371	23	40.9	-18	41.7	9.2 ✓
19	-19°	6512	23	40.8	-19	0.8	9.6 ✓
20	-18°	6370	23	40.0	-18	44.2	8.4 ✓
21	-19°	6513	23	41.0	-19	41.5	8.0 ✓
22	-19°	6511	23	40.7	-19	53.1	9.3 ✓
23	-20°	6657	23	40.5	-20	18.9	9.3 ✓
24	-19°	6510	23	39.6	-19	58.5	8.3 ✓
25	-20°	6655	23	39.6	-20	9.8	8.7 ✓
26	-20°	6654	23	39.4	-20	34.3	8.8 ✓
27	-20°	6652	23	39.4	-20	20.2	9.4 ✓

cards made out

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Friday, Nov. 29, 1912

B24027 short exps.

Hrs	Int.	Class	Remarks
28	4	Ky5	
29	3	Y5	
30	10+	Y	Burned out
31	3	K0	
32	1	K5	
33	1	K5	
34	2	Ky5	
35	4	Y8	
36	1	K0	
37	4	K0	
38	2	Ky5	
39	3	Ky0	
40	4	A2	
41	2	K5	
10.38 42	6	Y0	
10.34 43	3	Md	Look after Known.
44	2	A0	
45	6	Y5	
46	5	Ky5	
47	1	K0	
48	2	Ky0	
49	1	K5	
50	1	K0	
51	2	Ky5	
52	4	K0	
53	6	Y2	
54	2	K0	

28	-19°	6509	23	39.1	-19	33.8	9.1
29	-19°	6508	23	39.1	-19	8.2	9.1
30	-19°	6506	23	38.5	-19	28.8	5.0
31	-19°	6502	23	37.0	-19	35.7	9.1
32	-19°	6501	23	36.8	-19	55.2	9.4
33	-19°	6505	23	37.8	-19	4.5	9.3
34	-18°	6369	23	38.4	-18	35.9	9.4
35	-18°	6366	23	37.2	-18	41.3	9.2
36	-19°	6503	23	37.2	-19	6.8	9.5
37	-17°	6816	23	39.6	-17	54.3	8.4
38	-17°	6815	23	38.7	-17	37.8	9.2
39	-17°	6810	23	37.6	-17	18.4	9.0
40	-17°	6807	23	36.4	-17	37.4	9.0
41	-17°	6806	23	36.4	-17	8.1	9.0
42	-16°	6353	23	36.5	-16	28.0	8.7
43	-16°	6352	23	36.3	-16	5.2	var.
44	-17°	6802	23	35.0	-17	57.9	9.2
45	-17°	6797	23	34.0	-17	28.9	8.8
46	-17°	6799	23	34.6	-17	4.2	9.0
47	-16°	6344	23	34.8	-16	50.5	9.1
48	-16°	6348	23	35.7	-16	35.3	9.5
49	-16°	6340	23	34.4	-16	55.5	9.1
50	-17°	6804	23	36.0	-17	31.4	9.4
51	-18°	6362	23	34.6	-18	11.3	9.5
52	-18°	6356	23	33.5	-18	19.8	8.3
53	-18°	6353	23	31.8	-18	35.5	8.4
54	-17°	6788	23	32.2	-17	50.9	9.1

Cards made out

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Friday Nov. 29. 1912.

B 24027 short disp.

No	Int.	Class	Remarks
55	4	F5	
56	6	F0	
57	5	K2	
58	8	F2	
59	4	F5	
60	6	G5	
61	8	G5	
62	2	K0	
63	3	F5	
64	5	F5	
65	3	F0	
66	4	F5	
67	3	K0	
68	7	K0	
69	6	G5	
70	6	K0	
71	6	A2	
72	8	F0	
73	6	K2	
74	3	G	
75	7	G0	
76	3	F5	
77	7	A E.	
78	5	K5 E.	
79	1	G	
80	8	G0	
81	3	K2	

55	-17°	6782	23	29.9	-17	41.7	8.8
56	-17°	6781	23	29.7	-17	51.6	8.8
57	-18°	6342	23	29.2	-18	2.3	8.8
58	-18°	6345	23	29.5	-18	21.7	8.3
59	-18°	6341	23	28.9	-18	42.0	9.2
60	-19°	6478	23	28.3	-19	44.8	9.0
61	-19°	6476	23	27.6	-19	22.2	8.5
62	-19°	6474	23	26.7	-19	11.6	9.2
63	-19°	6473	23	26.0	-19	10.7	9.2
64	-18°	6339	23	27.2	-18	30.6	8.8
65	-18°	6337	23	26.6	-18	41.5	8.9
66	-18°	6333	23	25.7	-18	25.8	8.9
67	-18°	6332	23	25.5	-18	42.8	9.2
68	-18°	6331	23	25.3	-18	51.3	8.5
69	-18°	6330	23	25.1	-18	36.4	8.2
70	-18°	6328	23	25.0	-18	24.7	7.8
71	-17°	6778	23	27.8	-17	40.3	8.8
72	-17°	6779	23	27.9	-17	22.9	7.3
73	-17°	6780	23	28.4	-17	5.5	8.0
74	-17°	6777	23	27.2	-17	38.4	9.1
75	-17°	6776	23	27.0	-17	47.6	8.0
76	-17°	6775	23	26.9	-17	54.7	9.3
77	-17°	6774	23	26.3	-17	7.0	8.5
78	-17°	6769	23	25.2	-17	38.3	8.4
79	-20°	6662	23	44.5	-20	30.2	9.7
80	-20°	6660	23	42.4	-20	30.6	9.7
81	-20°	6658	23	41.5	-20	33.0	8.9

cards made out

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Friday, Nov. 29, 1912.

B240+27 short steps.

No.	Int.	Class	Remark
82	1	Fo	
83	2	Fo	
84	3	Fo	
85	4	Fo	
86	7	A5	
87	4	A2	
88	8	Fo	
89	4	Fo	
90	1	G5	
91	5	F4	
92	6	Fo	
93	2	G5	
94	3	K5	
95	4	G5	
96	3	F5	
97	6	G5	
98	1	Fo	
99	6	Fo	
100	6	Fo	
101	6	Fo	
102	4	G5	
103	3	F2	
104	5	F2	
105	3	Fo	
106	4	Fo	
107	6	Ma	
108	5	G5	

82	−20°	6659	23	42.3	−20	20.0	9.8	J
83	−19°	6517	23	42.9	−19	49.5	9.5	J
84	−21°	6484	23	42.3	−21	18.9	8.9	J
85	−21°	6483	23	41.9	−21	14.8	8.5	J
86	−21°	6485	23	42.7	−21	40.5	8.3	J
87	−22°	6206	23	43.3	−22	8.3	8.8	J
88	−22°	6199	23	41.9	−22	24.7	6.8	J
89	−21°	6480	23	41.6	−21	49.4	8.5	J
90	−21°	6482	23	41.8	−21	41.8	9.1	J
91	−22°	6191	23	39.6	−22	18.6	8.5	J
92	−22°	6192	23	39.7	−22	34.7	8.3	J
93	−22°	6196	23	40.5	−22	43.4	9.1	J
94	−22°	6188	23	38.4	−22	4.7	9.1	J
95	−22°	6183	23	37.9	−22	4.2	9.0	J
96	−22°	6185	23	38.0	−22	25.2	9.1	J
97	−22°	6184	23	37.9	−22	39.6	9.0	J
98	−22°	6182	23	37.2	−22	53.7	8.9	J
99	−22°	6179	23	35.8	−22	30.8	7.8	J
100	−21°	6467	23	35.8	−21	53.6	8.0	J
101	−21°	6468	23	36.2	−21	4.7	8.5	J
102	−20°	6643	23	37.2	−20	43.5	8.8	J
103	−20°	6640	23	35.2	−20	40.8	9.2	J
104	−20°	6635	23	34.2	−20	58.4	8.0	J
105	−20°	6633	23	33.8	−20	53.1	9.0	J
106	−21°	6461	23	33.8	−21	16.0	8.7	J
107	−20°	6636	23	34.2	−20	33.5	7.8	J
108	−20°	6637	23	34.4	−20	12.3	8.5	J

Cards made out

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Friday, Nov. 29, 1912.

732+037 chart disp.

No.	Int.	Class	Remark
109	3	Gp	
110	1	Gp	
111	9	Gp	
112	4	K0	
113	3	K2	
114	3	K8	
115	3	K5	
116	1	G	
117	1	K2	
118	1	K2	
119	1	G	
120	2	K2	
121	1	Gp	
122	3	Gp	
123	2	K5	
124	8	Gp	
125	3	G5	
126	5	K0	
127	5	G	E.
128	4	K	E.
129	5	K5	
130	5	K0	E.
131	7	K0	
132	9	K0	
133	7	K0	E.
134	8	K	E.
135	3	Gp	

109	-19°	6495	23	34.1	-19	45.2	9.5	J
110	-19°	6491	23	33.7	-19	55.3	9.6	J
111	-19°	6489	23	33.0	-19	47.5	7.8	J
112	-19°	6488	23	32.7	-19	59.9	9.2	J
113	-19°	6485	23	31.9	-19	52.6	9.0	J
114	-19°	6487	23	32.4	-19	38.2	9.1	J
115	-19°	6493	23	33.9	-19	20.4	9.3	J
116	-20°	6632	23	33.2	-20	22.2	10.0	J
117	-20°	6630	23	32.6	-20	31.5	9.2	J
118	-20°	6629	23	32.5	-20	15.3	9.4	J
119	-20°	6627	23	30.9	-20	7.0	9.6	J
120	-20°	6622	23	30.3	-20	25.5	9.0	J
121	-20°	6626	23	30.6	-20	21.5	9.4	J
122	-21°	6458	23	31.9	-21	21.8	9.3	J
123	-21°	6457	23	31.9	-21	49.3	9.1	J
124	-21°	6453	23	31.1	-21	40.1	7.8	J
125	-22°	6169	23	31.3	-22	7.2	9.0	J
126	-22°	6168	23	30.9	-22	28.4	8.3	J
127	-22°	6161	23	29.5	-22	28.6	8.1	J
128	-22°	6160	23	29.3	-22	50.7	8.5	J
129	-22°	6155	23	28.4	-22	27.0	8.5	J
130	-23°	18034	23	40.0	-23	43.3	8.5	J
131	-23°	18029	23	38.6	-23	19.3	8.5	J
132	-23°	18018	23	37.0	-23	35.7	7.6	J
133	-24°	17828	23	38.4	-24	11.8	7.9	J
134	-24°	17816	23	36.7	-24	21.7	8.0	J
135	-21°	6452	23	30.1	-21	18.0	9.0	J

cards made out

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Friday, Nov. 29, 1912.

B 24027 short disk.

No.	Int.	Class	Remark
136	2	Ao	
137	1	Ao	
138	4	Gf5	
139	4	F8	
140	8	F8	
141	5	Gf0	
142	4	Ma	
143	4	Kf2	
144	2	Kf2	
145	1	Kf0	
146	2	Kf5	
147			
148			

Time: 11.60

136	−21°	6451	23	29.7	−21	44.2	9.7
137	−21°	6443	23	28.0	−21	29.4	10.0
138	−20°	6617	23	27.0	−20	58.2	8.8
139	−20°	6616	23	26.0	−20	55.1	8.8
140	−20°	6613	23	25.5	−20	53.2	8.0
141	−20°	6612	23	25.4	−20	30.3	8.8
142	−19°	6472	23	26.9	−19	56.7	8.4
143	−19°	6470	23	24.8	−19	51.0	8.6
144	−17°	6822	23	41.2	−17	4.5	8.8
145	−17°	6823	23	41.4	−17	18.1	9.1
146	−16°	6365	23	40.2	−16	39.1	9.0

Identified by J. C. M. Dec. 9, 1912
Checked by A.M.C. Dec. 13, 1912
cards made out by Miss C. W.
Cards checked by E.R.B.

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Friday, Nov. 29, 1912.

Time: 11.15

B 14593 shot disp.

No.	Int.	Class	Remark
1	4	g_5	
2	1	F_0	
3	3	g_5	
4	3	F_0	
5	4	F_5	
6	8	g_5	
7	4	F_2	
8	4	F_8	
9	8	g_5	
10	9	F_0	
11	8	F_0	
12	3	g_0	
13	1	M	
14	1	g	
15	1	g_5	
16	5	F_0	
Nov. 18 (originally 17) 17	3	F_2	~~Wings inverted, prism adjustment. F2 intended.~~
	4	F_0	
19	8	g_0	
20	3	F_2	
21	5	F_0	
22	3	g_5	
23	3	A_0	
24	7	F_2	
25	6	A_0	
26	8	F_5	
27	2	g_5	

1	-35°	15938	23	41.4	-35	0.2	7.7	∧ ∨
2	-34°	16185	23	42.4	-34	45.6	8.5	∧ ∨
3	-35°	15947	23	42.4	-35	5.2	8.3	∧ ∨
4	-35°	15959	23	43.7	-35	8.7	8.3	∧ ∨
5	-35°	15970	23	45.0	-35	11.4	8.6	∧ ∨
	~~-35°~~	~~15968~~	23	~~44.7~~	~~-35~~	~~26.4~~	~~9.3~~	
6	-35°	15973	23	45.2	-35	23.0	6.5	∧ ∨
7	-34°	16212	23	46.1	-34	47.6	8.0	∧ ∨
8	-34°	16198	23	44.4	-34	15.4	8.5	∧ ∨
9	-34°	16205	23	45.3	-34	9.6	7.7	∧ ∨
10	-33°	16732	23	45.4	-33	49.5	6.8	∧ ∨
11	-33°	16729	23	45.0	-33	7.5	7.5	∧ ∨
12	-34°	16228	23	48.3	-34	20.0	8.5	∧ ∨
13	-35°	15991	23	48.1	-35	6.6	8.7	∧ ∨
14	-35°	15980	23	46.0	-35	20.4	8.9	∧ ∨
15	-35°	15985	23	47.0	-35	21.0	8.6	∧ ∨
16	-36°	16054	23	44.1	-36	16.5	8.7	∧ ∨
18 ~~17~~	-36°	16047	23	42.5	-36	31.5	8.5	∧ ∨
17 ~~18~~	-36°	16051	23	43.8	-36	40.5	8.5	∧ ∨
19	-36°	16060	23	44.9	-36	43.5	7.5	∧ ∨
20	-36°	16061	23	45.1	-36	31.2	9.0	∧ ∨
21	-37°	15401	23	44.4	-37	35.1	8.5	∧ ∨
22	-37°	15409	23	45.1	-37	40.9	8.3	∧ ∨
23	-37°	15410	23	45.2	-37	47.2	8.5	∧ ∨
24	-38°	15639	23	43.5	-38	1.5	7.8	∧ ∨
25	-38°	15668	23	47.4	-38	6.1	7.7	∧ ∨
26	-38°	15674	23	48.6	-38	3.5	7.3	∧ ∨
27	-38°	15680	23	49.6	-38	20.4	8.6	∧ ∨

Cando run a de ~~and~~

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Friday, Nov. 29, 1912.

B14 593 short disp.

No.	Int	Class	Remark
28	5	Jfo	
29	2	Gs	
30	6	F8	
31	7	Jfo	
32	6	F0	
33	5	F2	
34	4	Jfo	
35	3	Jfo	
36	4	F0	
37	6	Kp	
38	2	Jfo	
39	3	F0	
40	5	Gs	
41	6	F0	
42	8	F0	
43	9	A5	
44	4	Gs	
Time: 11.24	45	4	Jf2
46	3	A2	
47	5	F8	
48	1	K0	
49	7	F5	

28	-38°	15679	23	49.2	-38	46.7	8.2		1 v
29	-38°	15671	23	48.3	-38	47.7	8.6		1 v
30	-37°	15438	23	51.5	-37	47.6	8.1		1 v
31	-37°	15436	23	51.0	-37	23.6	7.1		1 v
32	-37°	15443	23	52.2	-37	34.6	8.5		1 v
33	-38°	15696	23	52.0	-38	7.8	8.4		1 v
34	-38°	15694	23	51.9	-38	16.0	8.2		1 v
35	-37°	15492	23	58.1	-37	58.8	8.0		1 v
36	-39°	15180	23	45.5	-39	33.2	8.7		1 v
37	-39°	15167	23	43.4	-39	40.1	8.3		1 v
38	-39°	15157	23	42.0	-39	47.8	8.6		1 v
39	-38°	15630	23	41.6	-38	43.0	9.1		1 v
40	-38°	15626	23	41.0	-38	51.3	7.5		1 v
41	-38°	15615	23	39.4	-38	40.7	7.8		1 v
42	-39°	15137	23	38.3	-39	1.9	8.0		1 v
43	-37°	15353	23	36.5	-37	29.1	7.1		1 v
44	-38°	15591	23	35.0	-38	7.4	7.2		1 v
45	-38	15588	23	34.4	-38	33.4	7.1		1 v

Identified by J. C. M. Dec 9, 1912

Checked. Dec. 18 1912. S.B.W.

cards made out by M. C. W.

Cards checked by E.R.B.

v	46	-36	24	0	9.4	-36	59	9.1	No 70 on B41067
v	47	-37	16	0	2.4	-37	26	8.0	no 5 on B41879
	48	-38°	21	0	3.3	-38	17	8.7	
	49	-38°	23	0	3.4	-38	0	7.6	No 4 on B41879.

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Friday, Nov. 29, 1912

Time 21.28

B 40904 plant disk

No.	Int.	Class	Remark
1	4	fg5	
2	2	fg0	
3	6	fF0	
4	3	A2	
5	5	A5	
6	2	F5	
7	1	fF5	
8	5	fF0	
9	2	A0	
10	3	fg0	
11	7	F8	
12	1	fF2	
13	5	F5	
14	3	fF0	
15	10	A2	
16	6	fF2	
17	4	A2	
18	8	A0	
19	1	fF5	
20	2	F8	
21	3	fg0	
22	2	fg5	
23	7	F5	
24	3	fF2	
25	2	fg0	
26	1	fF	
27	1	F8	

1	-38°	15545	23	28.0	-38	57.4	8.4		1 1
2	-39°	15080	23	28.6	-39	10.8	9.0		1 1
3	-39°	15084	23	29.1	-39	38.9	7.7		1 ✓
4	-40°	15200	23	30.3	-40	3.6	8.8		1 1
5	-40°	15207	23	31.6	-40	18.8	7.9		1 1
6	-40°	15197	23	30.1 29.8	-40	37.6 50.9	7.9 8.8		1 1
7	-39°	15099	23	31.8	-39	41.8	9.3		1 1
8	-39°	15100	23	31.8	-39	10.9	8.2		1 1
9	-39°	15114	23	34.5	-39	42.7	9.1		1 1
10	-39°	15125	23	36.6	-39	23.4	9.1		1 1
11	-39°	15119	23	35.8	-39	54.8	7.9		1 1
12	-39°	15128	23	36.8	-39	1.1	9.1		1 ✓
13	-40°	15231	23	38.1	-40	11.6	8.7		1 1
14	-40°	15238	23	39.4	-40	26.6	8.7		1 1
15	-40°	15239	23	39.4	-40	52.2	6.1		1 1
16	-42°	15301 16457	23	37.6 39.9	-42	22.5 44.6	7.1		1 1
17	-41°	15313	23	39.2	-41	46.0	8.4		1 1
18	-42°	16457	23	39.9	-42	14.6	7.1		1 1
19	-41°	15326	23	43.0	-41	4.4	8.5		1 1
20	-39°	15166	23	43.1	-39	50.2	9.2		1 1
21	-40°	15267	23	44.3	-40	5.9	8.5		1 1
22	-40°	15280	23	46.5	-40	42.2	8.3		1 1
23	-37°	15311	23	30.3	-37	29.5	7.5		1 1
24	-37°	15314	23	34.4 30.3	-37	56.1 29.5	7.7 7.5		1 1
25	-38°	15595	23	36.6	-38	5.7	8.7		1 1
26	-37°	15358	23	37.6	-37	48.8	8.9		1 1
27	-37°	15365	23	39.1	-37	49.1	8.9		1 1

cards made out

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Friday Nov 29, 1912.

B 40904 short slide.

Nos.	Int.	Class	Remarks
28	2	fp	
29	12	Ff	
30	2	Ao	
31	3	Ff2	
32	3	fp5	
33	2	Ff5	
34	3	Ff5	
Time 11.34 35	1	Ff5	
36			

36 5 Ff0

28	−36°	16005	23	37.6	−36	56.0	8.5		1 V
29	−36°	16029	23	40.1	−36	33.5	9.0		1 V
30	−36°	16030	23	40.2	−36	41.5	9.3		1 V
31	−36°	16047	23	42.5	−36	31.5	8.5		1 V
32	−36°	15990	23	35.3	−36	40.5	9.0		1 V
33	−36°	15994	23	36.1	−36	22.9	8.9		1 V
34	−35°	15919	23	38.9	−35	40.6	8.4		1 V
35	−36°	16045	23	42.4	−36	8.9	8.7		1 V

Identified by J. C. M. Dec. 9, 1912.
Chemical Letter 18 1912 J.C.M.
cards made out by M. C. H.
Cards checked by E. B. B.

36 23 30.1 −40 38 −40° 15999 8.9 80 m B&C 057 ~~Ham B&C 078~~

Saturday, June 30, 1917.

B39675 slot disp

Time: 10.17

Nr.	Int.	Class	Remark
1	8	fg5	
2	8	fg5	
3	4	fg5	
4	3	7	Partly superposed on 3.
5	6	fg5	
6	1	Fp	
7	7	Q	E.
8	2	F5	
9	4	fg5	
10	3	fg0	
11	1	fg5	
12	2	Fp2	
13	1	F2	
14	1	Fp0	
15	3	F5	
16	2	Fp0	
17	1	Fp0	
18	1	F5	
19	2	Fp0	
20	1	Q5	
21	2	F5	
22	5	Fp0	
23	2	fg5	
24	8	fg0	
25	2	fg5	
26	1	F5	
27	2	F8	

1	-55°	10031	23	22.3	-55	11.3	7.2	1 v
2	-55°	10033	23	23.0	-55	0.3	9.4	1 v -55° 10034 mag 9.5 superposed
3	-54°	10301	23	24.3	-54	41.0	8.6	1 v
4	-54°	10302	23	24.4	-54	35.2	9.0	1 v
5	-54°	10305	23	24.8	-54	27.3	7.8	1 v
6	-54°	10307	23	24.9	-54	32.5	9.4	1 v
7	-54°	10294	23	22.7	-54	6.5	8.1	1 v
8	-54°	10303	23	24.5	-54	3.3	9.1	1 v
9	-54°	10311	23	26.7	-54	20.7	8.6	1 v
10	-54°	10321	23	29.0	-54	22.5	8.6	1 v
11	-54°	10322	23	29.7	-54	44.5	9.2	1 v
12	-54°	10324	23	30.8	-54	52.8	9.1	1 v
13	-55°	10038	23	25.7	-55	40.1	9.1	1 v
14	-55°	10040 / ~~10039~~	23	25.8	-55	41.1	9.2	1 v
15	-55°	10046	23	28.0	-55	62.0	9.1	1 v
	-55°	10049	23	28.6	-55	5.8	9.0	
16	-56	10101	23	28.2	-56	0.4	9.4	v
17	-55°	10064	23	32.1	-55	27.6	9.4	1 v
18	-55°	10067	23	34.0	-55	2.6	9.2	1 v
19	-54°	10330	23	32.6	-54	4.8	9.0	1 v
20	-54°	10331	23	32.7	-54	13.0	9.0	1 v
21	-53°	10504	23	32.7	-53	28.5	9.0	1 v
22	-53°	10509	23	35.4	-53	44.8	8.6	1 v
23	-53°	10513	23	36.1	-53	44.9	9.0	1 v
24	-54°	10338	23	35.4	-54	7.0	8.0	1 v
25	-54°	10346	23	37.8	-54	1.9	9.2	1 v
26	-54°	10352	23	38.9	-54	10.6	9.1	1 v
27	-54°	10348	23	38.4	-54	41.0	9.1	1 v

Cards made out

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Saturday, Nov. 30 1912.

T3 39675 shot disp.

No.	Int.	Class	Remark
28	1	fp	
29	2	fp	
30	1	fp	
31	2	fp	
32	1	fp	
33	1	fp	
34	1	fp	
35	1	fp	
36	2	fp	
37	3	fp	
38	1	Q3	
39	2	fp	
40	1	fp	
41	1	fp	
42	3	fp	
43	3	fp	Partly superposed on 44.
44	4	fp	
45	4	fp	E.
46	4	fp	E.
47	2	fp	E.
48	3	fp	E.
49	3	fp	E.
50	3	fp	E.
51	1	fp	
52	4	fp	
53	1	fp	
54	5	fp	

28	-54°	10347	23	37.9	-54	53.4	9.1	
29	-55°	10077	23	37.3	-55	53.3	9.1	
30	-56°	10132	23	36.2	-56	6.9	9.2	
31	-56°	10148	23	40.7	-56	14.7	9.1	
32	-56°	10164	23	43.4	-56	5.3	9.2	
33	-55°	10114	23	48.3	-55	33.1	9.4	
34	-55°	10137	23	54.5	-55	58.9	9.6	
35	-55°	10136	23	54.5	-55	27.0	9.4	
36	-55°	18	0	5.0	-55	14.8	9.0	
37	-55°	24	0	5.8	-55	3.6	8.8	
38	-54°	31	0	4.6	-54	59.2	9.6	
39	-53°	11	0	2.7	-53	43.8	9.4	
40	-53°	17	0	4.0	-53	55.9	9.8	
41	-53°	22	0	5.1	-53	48.8	9.6	
42	-53°	26	0	6.3	-53	1.7	9.4	
43	-53°	30	0	7.6	-53	16.0	8.6	
44	-53°	31	0	7.7	-53	14.2	8.6	
45	-52°	22	0	10.2	-52	18.3	8.8	
46	-52°	24	0	11.2	-52	12.9	8.8	
47	-52°	25	0	11.9	-52	21.8	9.0	
48	-52°	26	0	12.1	-52	49.1	9.0	
49	-52°	27	0	14.2	-52	40.3	8.8	
50	-53°	48	0	12.0	-53	39.3	8.8	
51	-53°	10467	23	22.5	-53	21.9	7.0	
52	-52°	12165	23	24.2	-52	22.9	8.6	
53	-52°	12168	23	25.6	-52	38.3	9.0	
54	-52°	12169	23	26.8	-52	24.9	8.5	

cards made out

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Saturday, Nov. 30, 1918.
B39675 short disp.

No.	Int.	Class	Remark
55	5	$\beta 5$	
56	4	$F5$	
57	2	$K0$	
58	1	$F8$	
59	3	$K0$	
60	1	$\beta 0$	
61	2	$K0$	
62	7	$K0$	
63	2	$\beta 0$	
64	2	$\beta 5$	
65	1	$\beta 5$	
66	3	$F5$	
67	8	$K0$	
68	3	$F8$	
69	3	Ma	
70	7	A2	
71	1	A	
72	2	$F5$	
73	2	$K0$	
74	3	$F0$	
75	5	$K0$	
76	7	$\beta 5$	
77	3	$F0$	
78	8	$\beta 5$	
79	3	A3	
80	2	$K0$	
81	5	$K0$	

55	-52°	12176	23	28.7	-52	49.4	8.2	∧J
56	-52°	12177	23	29.0	-52	56.8	8.3	∧J
57	-53°	10477	23	25.7	-53	16.1	9.0	∧J
58	-53°	10483	23	26.7	-53	25.8	9.2	∧J
59	-53°	10492	23	28.9	-53	55.0	9.0	∧J
60	-53°	10503	23	31.5	-53	38.4	9.2	∧J
61	-53°	10502	23	31.5	-53	10.6	9.2	∧J
62	-52°	12184	23	30.6	-52	25.4	8.0	∧J
63	-52°	12186	23	30.8	-52	28.7	9.1	∧J
64	-52°	12185	23	30.7	-52	38.5	9.0	∧J
65	-52°	12187	23	30.9	-52	56.6	9.4	∧J
66	-52°	12192	23	33.0	-52	43.3	8.8	∧J
67	-52°	12193	23	33.2	-52	18.5	7.8	∧J
68	-52°	12195	23	33.5	-52	7.7	8.8	∧J
69	-52°	12199	23	34.8	-52	15.8	9.0	∧J
70	-52°	12208	23	36.8	-52	2.6	7.9	∧J
71	-52°	12197	23	34.2	-52	40.3	9.4	∧J
72	-52°	12198	23	34.7	-52	49.8	8.8	∧J
73	-52°	12207	23	36.6	-52	48.0	9.2	∧J
74	-52°	12211	23	38.9	-52	41.4	8.8	∧J
75	-52°	12212	23	39.0	-52	55.8	8.2	∧J
76	-52°	12215	23	41.2	-52	53.9	8.0	∧J
77	-52°	12214	23	40.4	-52°	25.2	9.0	∧J
78	-51°	13684	23	41.5	-51	34.9	6.9	∧J
79	-51°	13685	23	41.8	-51	44.7	9.0	∧J
80	-52°	12216	23	42.2	-52	11.1	8.8	∧J
81	-52°	12217	23	42.6	-52	0.8	8.3	∧J

Cando made out

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Saturday, Nov. 30 1912.
R 39675 short disps.

No.	Int.	Class	Remark
82	7	Ly^5	
83	3	$F8$	
84	3	$F8$	
85	2	K_0	
86	1	Ly^5	
87	1	Ly	
88	3	Ly_0	
89	1	K_0	
90	5	Ly^5	
91	2	Ly^5	
92	3	$F8$	
93	5	A_2	
94	2	A_3	
95	3	K_0	
96	4	F_0	
97	2	F_2	
98	8	K_0	
99	1	K	
100	3	K_0	
101	5	F_5	
102	1	Ly	
103	2	$F8$	
104	2	$F8$	
105	3	Ly_0	
106	3	F_0	
107	3	Ly_0	
108	4	K_0	

82	−52°	12220	23	44.0	−52	23.8	7.8		∧ ∨
83	−52°	12223	23	46.0	−52	32.4	9.0		∧ ∨
84	−52°	12218	23	42.8	−52	59.9	9.0		∧ ∨
85	−54°	10370	23	43.8	−54	23.0	9.4		∧ ∨
86	−53°	10543	23	46.8	−53	23.7	9.6		∧ ∨
87	−53°	10544	23	47.7	−53	44.3	9.4		∧ ∨
88	−52°	12225	23	48.0	−52	15.9	9.4		∧ ∨
89	−52°	12224	23	48.0	−52	38.0	9.6		∧ ∨
90	−51°	13687	23	42.3	−51	29.9	8.2		∧ ∨
91	−51°	13689	23	42.7	−51	31.3	9.5		∧ ∨
92	−51°	13693	23	43.6	−51	25.1	9.3		∧ ∨
93	−51°	13695	23	44.2	−51	18.4	8.3		∧ ∨
94	−50°	14056	23	43.0	−50	57.5	9.8		∧ ∨
95	~~−54°~~	~~10370~~ 14040	23	~~43.8~~ 37.5	~~−54~~	~~23.0~~ 37.8	9.4		∧ ∨
96	−50°	14048	23	40.8	−50	17.6	9.0		∧ ∨
97	−50°	14061	23	43.8	−50	3.8	9.6		∧ ∨
98	−49°	14270	23	44.4	−49	21.2	6.9		∧ ∨
99	−49°	14271	23	44.6	−49	22.7	9.2		∧ ∨
100	−49°	14277	23	45.4	−49	32.3	9.4		∧ ∨
101	−49°	14284	23	46.8	−49	37.7	8.2		∧ ∨
102	−49°	14285	23	47.1	−49	43.2	9.4		∧ ∨
103	−50°	14072	23	47.1	−50	29.5	9.6		∧ ∨
104	−50°	14079	23	49.5	−50	47.8	9.7		∧ ∨
105	−50°	14083	23	50.1	−51°	59.7	9.1		∧ ∨
106	−51°	13724	23	51.3	−51	1.1	10.0		∧ ∨
107	−50°	14095	23	53.2	−50	31.6	9.2		∧ ∨
108	−50°	14096	23	53.8	−50	3.0	8.9		∧ ∨

Cards made out

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Saturday, Nov. 30, 1912.
13396 75 shot disp.

No.	Int.	Class	Remark
109	3	Jo	
110	1	Jo	
111	3	Ko	
112	1	A	
113	3	K5	
114	2	Ko	
115	3	Ko	
116	3	F5	
117	2	F5	
118	3	F2	
119	2	A5	
120	3	K5	
121	1	A	
122	2	Ko	
123	3	Ko	
124	2	Jo	
125	3	K5	E.
126	4	Jo	E.
127	4	Jo	
128	3	Jo	
129	1	K5	
130	4	Ko	Another star partly superposed.
131	1	K	
132	2	Jo	
133	2	K5	
134	5	Ko	
135	6	Jo	

109	-49°	14311	23	53.9	-49	48.2	9.2	∧J
110	-50°	14100	23	54.6	-50	1.1	9.6	∧J
111	-49°	14334	23	58.9	-49	50.3	9.2	∧N
112	-50°	14111	23	57.5	-50	28.5	9.6	∧V
113	-51°	13926	23	51.9	-51	36.2	9.0	∧N
114	-52°	12228	23	49.8	-52	39.5	9.1	∧J
115	-53°	10569	23	54.7	-53	10.8	9.4	∧S
116	-53°	10570	23	54.8	-53	29.6	9.0	∧S
117	-53°	10574	23	55.6	-53	34.1	9.4	∧J
118	-52°	~~2~~ 3	0	~~+3~~ 2.1	-52	~~39.0~~ 5.8	8.8	∧J
119	-52°	5	0	3.3	-52	25.9	9.0	∧V
120	-52°	2	0	1.3	-52	39.0	8.8	∧J
121	-53°	3	0	0.2	-53	2.5	9.4	∧V
122	-51	29	0	4.4	-51	39.6	9.1	∧S
123	-51°	32	0	6.0	-51	23.7	8.8	∧J
124	-50°	39	0	7.8	-50	57.6	9.4	∧J
125	-50°	43	0	9.2	-50	53.6	9.4	∧J
126	-50°	44	0	9.7	-50	51.8	8.8	∧V
127	-51°	13599	23	26.6	-51	43.6	8.6	∧J
128	-51°	13602	23	27.4	-51	14.5	9.1	∧J
129	-51°	13604	23	27.7	-51	32.1	9.5	∧J
130	-51°	13605	23	28.2	-51	41.1	9.1	∧J
131	-50°	~~14078~~ 14014	23	~~28.6~~ 30.2	-50	~~53.6~~ 58.4	~~9.6~~ 9.6	J
132	-51°	13617	23	31.2	-51	11.7	9.3	∧V
133	-51°	13627	23	32.8	-51	34.7	9.7	∧J
134	-51°	13628	23	33.0	-51	26.6	8.1	∧J
135	-51°	13645	23	34.9	-51	7.2	7.7	∧V

cards made

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Catalogue. Nov. 30, 1912.

339675 short disp.

No.	Int.	Class	Remark
136	1	K0	
137	2	G0	
138	3	K0	
139	1	K0	
140	1	G5	
141	5	G5	
142	9	G	E.
143	5	G	E.
144	2	F5	
Immediate 145	1	K0	
146	1	G5	
147	2	G5	
148	5	K0	

cmb. 137, 144

136	−50°	14032	23	35.2	−50	57.5	9.5	∧ ∨
137	−51°	13644	23	34.9	−51	21.2	9.5	∧ ∨
138	−51°	13648	23	35.1	−51	24.6	9.5	∨
139	−50°	14038	23	38.4	−50	55.4	9.4	∧ ∨
140	−51°	13668	23	39.0	−51	14.5	9.6	∧ ∨
141	−49°	14244	23	39.9	−49	39.1	8.9	∧ ∨
142	−48°	14640	23	40.8	−48	57.9	6.8	∧ ∨
143	−48°	14616	23	43.1	−48	46.5	8.6	∧ ∨
144	−53°	10522	23	39.7	−53	58.3	9.2	∧ ∨
145	−54°	10359	23	41.0	−54	7.2	9.2	∧ ∨

Identified by J. C. M. Dec. 27, 1912.
Checked by L. D. W. Dec. 31, 1912.
Checked by S. D. W. Dec. 31, 1912

cards made out by Mr. C. W.
Cards checked by E. R. B.

146	−56°	10162	23	43.4	−56	58	9.1	29 on B14382
147	−56	10157	23	42.6	−56	58	8.2	3 " "
148	−57	14073	23	47.3	−57	42	8.7	4 on B14881

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Monday, Dec. 2, 1912.

Time: 9.40

B39670 chart disp.

No.	Int.	Class	Remark
1	3	F2	
2	2	G0	
3	6	A0	
4	9	G5	
5	6	K0	
6	3	F5	
7	3	F8	
8	X 5	K0	
9	5	F2	
10	2	G5	
11	6	A2	
12	2	K0	
13	5	G5	
14	3	F2	
15	2	K0	
16	3	K0	
17	7	G5	
18	2	K0	
19	1	G5	
20	8	G2	
21	5	G0	
22	4	G5	
23	2	K0	
24	2	G0	
25	2	K0	
26	1	G5	
27	1	K0	

1	-45°	15095	23	32.9	-45	39.8	8.7 N
2	-45°	15101	23	34.3	-45	27.7	9.5 U
3	-45	15112	23	36.6	-45	31.2	8.5 V
4	-45	15114	23	37.3	-45	46.6	6.4 V
5	-46°	14749	23	37.3	-46	9.0	7.1 V
6	-45°	15120	23	38.2	-45	56.4	9.0 V
7	-45°	15123	23	39.1	-45	20.6	8.9 V
8	-45°	15130	23	39.9	-45	31.3	7.5 V
9	-45°	15131	23	40.1	-45	45.1	8.9 V
10	-45°	15132	23	40.5	-45	28.9	9.5 V
11	-46°	14786	23	41.0	-46	1.5	8.5 S
12	-45°	15140	23	42.4	-45	42.1	9.1 V
13	-46°	14759	23	39.2	-46	38.2	8.4 V
14	-46°	14746	23	36.9	-46	26.3	8.7 V
15	-46°	14748	23	37.1	-46	36.8	9.5 V
16	-47°	14666	23	35.9	-47	4.2	8.8 V
17	-47°	14688	23	36.4	-47	0.2	6.2 V
18	-47°	14687	23	36.2	-47	18.2	9.1 V
19	-47°	14670	23	36.6	-47	46.2	9.6 V
20	-48°	14586	23	33.3	-48	1.1	7.0 V
21	-48°	14584	23	33.2	-48	16.9	8.8 V
22	-48°	14575	23	34.4	-48	8.6	9.2 V
23	-48°	14585	23	33.2	-48	31.9	9.3 V
24	-48°	14574	23	34.4	-48	30.7	9.6 V
25	-48°	14577	23	34.6	-48	23.0	9.5 V
26	-48°	14578	23	34.8	-48	26.2	9.4 V
27	-48°	14579	23	34.9	-48	40.8	9.4 V

cards made out

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Monday, Dec. 2, 1912

13 39 6 870 slant disp.

No.	Int.	Class	Remark
28	2	K0	
29	4	K0	
30	3	K0	
31	3	G0	
32	4	K0	
33	3	G5	
34	3	K0	
35	4	A0	
36	2	A2	
37	3	K0	
38	6	K5	
39	2	G0	
40	9	G5	
41	4	G5	
42	1	K0	
43	7	G5	
44	5	F5	
45	3	K0	
46	3	G5	
47	3	K0	
48	2	G0	
49	4	K0	
50	3	K0	
51	2	F2	
52	2	F5	
53	3	F5	
54	2	G5	

28	−48°	14581	23	38.2	−48	59.0	9.1	J
29	−49°	14228	23	38.2	−49	20.2	8.8	J
30	−49°	14241	23	39.0	−49	22.2	9.4	J
31	−49°	14243	23	39.7	−49	9.8	9.2	J
32	−48°	14595	23	38.3	−48	36.0	8.1	J
33	−48°	14594	23	38.3	−48	2.3	8.8	J
34	−47°	14688	23	39.8	−47	1.5	9.1	J
35	−47°	14693	23	40.7	−47	24.6	9.4	J
36	−47°	14693	23	41.2	−47	9.8	9.8	J
37	−47°	14703	23	42.4	−47	17.7	9.2	J
38	−47°	14701	23	42.3	−47	32.3	7.4	J
39	−48°	14612	23	41.1 40.8	−48	57.9	8.8	J
40	−48	14613	23	42.2	−48	20.7	8.9	J
41	−48°	14618	23	43.7	−48	8.7	8.7	J
42	−48°	14619	23	44.0	−48	22.1	9.7	J
43	−48°	14627	23	45.9	−48	27.1	9.0	J
44	−48°	14632	23	47.1	−48	17.1	8.7	J
45	−48°	14634	23	47.4	−48	48.7	9.0	J
46	−48°	14636	23	48.3	−48	30.4	9.3	J
47	−48°	14640	23	49.0	−48	23.5	9.1	J
48	−48°	14643	23	49.4	−48	48.3	9.7	J
49	−48°	14644	23	49.5	−48	38.1	9.0	J
50	−48°	14647	23	50.3	−48	52.2	9.3	J
51	−49°	14292	23	49.5	−49	1.3	9.8	J
52	−48	14637	23	48.3	−48	58.7	9.1	J
53	−49°	14290	23	48.3	−49	20.2	9.6	J
54	−49°	14289	23	48.2	−49	33.8	9.7	J

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Monday. Dec. 2, 1912.

1339670 short exp.

No.	Int.	Class	Remarks
55	2	Kp	
56	2	Fz	
57	3	F5	
58	4	F8	
59	1	K0	
60	3	Kp	
61	2	Kp	
62	2	F8	
63	2	K0	
64	4	F5	
65	6	F0	
66	2	K0	
67	2	K0	
68	2	Kp	
69	2	Kp	
70	1	F8	
71	3	K0	
72	4	F8	
73	1	K5	
74	2	F8	
75	2	Kp	
76	1	F5	
77	1	Kp	
78	1	Kp	
79	1	K0	
80	1	K5	
81	2	K0	

55	-49°	142941	23	49.8	-49	25.1	9.8	✓
56	-49°	142991	23	51.0	-49	33.6	9.9	✓
57	-48°	143655	23	51.5	-48	48.7	9.6	↓
58	-48°	143650	23	51.0	-48	22.8	9.3	↓
59	-48°	143657	23	52.0	-48	29.1	9.7	↓
60	-48°	143683	23	53.3	-48	0.1	9.4	✓
61	-47°	143768	23	53.4	-47	43.6	9.4	↓
62	-47°	143791	23	54.0	-47	52.3	9.5	✓
63	-48°	143783	23	53.7	-48	26.6	9.4	↓
64	-48°	143866	23	54.9	-48	29.2	9.4	✓
65	-49°	143919	23	55.4	-49	15.5	9.1	↓
66	-49°	143917	23	55.1	-49	40.5	9.6	↓
67	-50°	144004	23	55.1	-50	21.4	9.8	✓
68	-49°	143926	23	56.8	-49	51.7	9.7	↓
69	-49°	143925	23	56.5	-49	35.7	9.6	↓
70	-49°	143928	23	57.4	-49	38.3	9.8	✓
71	-49°	143931	23	58.0	-49	30.2	9.3	↓
72	-49°	143934	23	58.9	-49	50.3	9.2	✓
73	-49°	143936	23	59.4	-49	46.2	9.7	✓
74	-46°	143767	23	41.1	-46	27.6	9.6	✓
75	-46°	143774	23	41.9	-46	31.6	9.5	✓
76	-46°	143776	23	42.0	-46	40.2	9.8	↓
77	-46°	143782	23	42.8	-46	32.4	9.5	✓
78	-46°	143783	23	43.0	-46	31.3	9.7	✓
79	-46°	143784	23	43.3	-46	47.6	9.5	✓
80	-46°	143786	23	44.1	-46	38.8	9.5	✓
81	-46°	143787	23	44.7	-46	34.0	9.5	✓

cards made at

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Monday, Dec 3 1912.
B 29670 short exps.

No.	Int.	Class	Remarks
82	4	F2	
83	3	F5	
84	5	G0	
85	3	G0	
86	5	F8	
87	5	F5	
88	3	G5	
89	5	G5	
90	4	F0	
91	3	F0	
92	2	G3	
93	4	F8	
94	2	G5	
95	3	F0	
96	3	F2	
97	3	F8	
98	2	G5	
99	6	F0	
100	2	F8	
101	2	F2	
102	6	F0	
103	3	F0	
104	5	G5	
105	2	F0	
106	4	F5	
107	1	F0	
Time: 10.00	1	F0	

82	-46°	14791	23	45.5	-46	14.5	9.1
83	-46°	14795	23	45.9	-46	0.0	9.0
84	-45°	15162	23	46.6	-45	18.9	9.2
85	-45°	15164	23	46.9	-45	20.8	9.4
86	-45°	15165	23	47.2	-45	38.0	8.7
87	-45°	15168	23	47.3	-45	49.2	9.2
88	-47°	14713	23	45.2	-47	1.0	9.3
89	-46°	14794	23	45.8	-46	49.2	8.8
90	-47°	14721	23	46.4	-47	12.7	8.4
91	-46°	14798	23	47.3	-46	45.0	9.3
92	-46°	14803	23	48.1	-46	46.8	9.5
93	-46°	14804	23	48.1	-46	966	9.3
94	-46°	14807	23	49.5	-46	41.3	9.5
95	-47°	14726	23	47.3	-47	31.5	9.0
96	-47°	14734	23	48.5	-47	23.0	9.2
97	-47°	14736	23	48.7	-47	11.8	9.4
98	-47°	14741	23	49.6	-47	9.0	9.5
99	-47°	14785	23	49.8	-47	16.0	8.9
100	-47°	14739	23	49.0	-47	41.0	9.7
101	-47°	14748	23	50.2	-47	52.2	9.5
102	-46°	14822	23	52.7	-46	49.5	8.7
103	-46°	14826	23	53.6	-46	27.8	9.0
104	-45°	15182	23	50.1	-45	24.8	9.4
105	-45°	15186	23	50.7	-45	12.0	9.4
106	-45°	15189	23	51.1	-45	7.7	9.4
107	-45°	15187	23	50.7	-45	32.6	9.3
108	-46°	14810	23	50.2	-46	8.6	9.6

Cards unade - out

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Monday, Dec. 2, 1912.

B 39670 short exposure

	No.	Dist	Class	Remark
10.50	109	4	K2	
	110	2	K0	
	111	2	A0	
	112	3	K0	
	113	2	K0	
	114	5	G0	
	115	2	G0	
	116	2	G5	
	117	5	K0	
	118	4	K5	
	119	2	K5	
	120	1	K	
	121	2	K2	
	122	4	K8	
	123	3	K0	
	124	3	K2	
	125	3	K8	
	126	5	A0	
	127	8	A0	
	128	2	G5	E.
	129	4	K0	E.
	130	5	A2	E.
	131	5	K0	E.
	132	4	K2	
	133	2	K2	
	134	3	G5	
Temp. 10.55	135	4	K0	
	136		G0	

109	−46°	14813	23	51.0	−46	18.3	9.3 ✓
110	−47°	14782	23	38.1	−47	7.2	9.1 ✓
111	−47°	14782	23	37.0	−47	31.7	9.8 ✓
112	−47°	14785	23	55.0	−47	46.0	8.7 ✓
113	−47°	14787	23	55.4	−47	17.2	9.6 ✓
114	−46°	14858	23	58.9	−46	28.9	9.3 ✓
115	−46°	1	0	0.5	−46	33.6	9.4 ✓
116	−47°	14794	23	59.7	−47	8.1	9.5 ✓
117	−47°	13	0	1.4	−47	14.3	8.3 ✓
118	−47°	23	0	3.3	−47	4.2	9.0 ✓
119	−48°	14869	23	55.6	−48	37.5	9.6 ✓
120	−48°	14880	23	58.5	−48	12.2	9.5 ✓
121	−48°	14883	23	57.4	−48	34.7	9.6 ✓
122	−48°	14887	23	58.6	−48	26.6	9.5 ✓
123	−48°	14890	23	59.2	−48	15.7	9.5 ✓
124	−48°	1	0	0.0	−48	14.4	9.0 ✓
125	−48°	2	0	0.2	−48	16.8	9.0 ✓
126	−43°	15338	23	37.3	−43	17.3	8.6 ✓
127	−43°	15479	23	37.6	−43	43.0	7.6 ✓
128	−43°	15494	23	39.8	−43	5.7	9.3 ✓
129	−44°	15337	23	40.4	−44	8.6	8.7 ✓
130	−44°	15370	23	42.9	−44	9.2	9.2 ✓
131	−44°	15376	23	44.8	−44	16.6	8.6 ✓
132	−45°	15159	23	45.3	−45	12.0	8.9 ✓
133	−45°	15187	23	45.2	−45	26.6	9.3 ✓
134	−45°	15160	23	46.1	−45	11.6	9.5 ✓
135	−44°	15400	23	49.9	−44	3.5	9.3 ✓
136	−45	14610	23	47.2	−45	20.1	9.2 ✓

Identified Dec. 20, 1912 DH

Checked by J.C.D. Dec. 23, 1912.

Cards in Add. Box

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Monday ~~Tues~~ Dec. 2, 1912

Time 10.57

B 39658 chart disp.

No.	Int.	Class	Remark
1	2	Gp	
2	4	F2	
3	3	Ma	
4	1	Gp	
5	3	G5	
6	2	Gp	
7	2	G5	
8	5	A5	
9	1	Gp	
10	4	K0	
11	2	K0	
12	2	Gp	
13	3	Gp	
14	4	K0	
15	3	K0	
16	2	G5	
17	3	G5	
18	3	G5	
19	2	Gp	
20	2	F8	
21	1	F8	
22	3	Gp	
23	2	A0	
24	3	F8	
25	3	K2	
26	1	K	
27	3	A0	

1	−47°	10′	0″	1.0	−47	50.0	9.8	∧∨ Is this one Jes.
2	−48°	16′	0″	4.1	−48	50.3	8.7	∨
3	−48°	21′	0″	5.6	−48	49.4	8.7	∨
4	−49°	9′	0″	1.6	−49	20.0	9.8	∨
5	−49°	11′	0″	2.5	−49	20.1	9.7	∨
6	−49°	16′	0″	3.2	−49	16.2	9.7	∨
7	−49°	21′	0″	4.3	−49	58.5	9.7	∨
8	−49°	25′	0″	5.1	−49	47.1	9.4	∨
9	−49°	26′	0″	5.8	−49	43.3	9.8	∧∨
10	−49°	33′	0″	7.5	−49	53.5	9.1	∧∨
11	−50°	40′	0″	8.1	−50	3.2	9.3	∧∨
12	−50°	42′	0″	8.4	−50	2.6	9.6	∧∨
13	−51°	24′	0″	3.5	−51	9.4	9.4	∧∨
14	−51°	32′	0″	6.0	−51	23.7	8.8	∧∨
15	−51°	29′	0″	4.4	−51	39.6	9.1	∧∨
16	−50°	49′	0″	11.1	−50	20.4	9.4	∧∨
17	−49°	51′	0″	11.6	−49	59.2	9.5	∧∨
18	−49°	54′	0″	12.7	−49	47.0	9.4	∧∨
19	−49°	61′	0″	13.8	−49	38.0	9.7	∧∨
20	−49°	70′	0″	16.1	−49	43.8	9.4	∧∨
21	−49°	79′	0″	18.2	−49	16.8	9.6	∧∨
22	−50°	71′	0″	17.7	−50	37.9	9.4	∧∨
23	−50°	76′	0″	19.5	−50	53.1	9.7	∧∨
24	−50°	78′	0″	19.7	−50	25.6	9.5	∧∨
25	−50°	86′	0″	21.3	−50	31.3	9.3	∧∨
26	−50°	92′	0″	22.6	−50	23.8	9.5	∧∨
27	−50°	96′	0″	22.9	−50	44.4	9.3	∧∨

cards made out

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Monday, Dec. 2, 1912.

B 39658 short disp

No	Int.	Class	Remark
28	2	F	Focus low
29	4	Fo	
30	2	fg5	
31	1	F	
32	3	fg	
33	3	fg	
34	2	Fo	
35	2	fg	
36	2	F5	
37	2	fg	
38	2	Fo	
39	3	Fo	
40	3	fg	
41	2	fg5	
42	3	F5	
43	2	fg5	
Time: 11.08 44	3	F8	
" 11.30 45	1	fg5	
46	3	fg	
47	1	fg	
48	4	fg	
49	3	Fo	
50	4	fg	
51	5	Fo	
52	2	F8	
53	2	Fo	
54	2	fg	

28	-49°	99	0	22.8	-49	47.3	9.5	∧ J
29	-52°	27	0	14.2	-52	40.3	8.8	∧
30	-47°	31	0	5.1	-47	42.6	9.3	J
31	-47°	37	0	6.3	-47	56.6	9.7	J
32	-48°	23	0	6.5	-48	12.5	9.2	∧ J
33	-46°	30	0	5.7	-46	25.3	9.3	J
34	-46°	33	0	6.4	-46	31.5	9.1	J
35	-46°	~~47~~ 37	0	~~8.6~~ 7.2	-46	57.3 43.7	9.6 ~~4.2~~	J
36	-46°	53	0	9.9	-46	34.4	9.3	J
37	-47°	56	0	10.7	-47	28.2	9.5	J
38	-48°	50	0	14.2	-48	19.0	9.3	V
39	-47°	82	0	15.5	-47	52.0	9.1	J
40	-47°	100	0	18.1	-47	40.21	9.7	J
41	-47°	106	0	19.3	-47	37.2	9.8	J
42	-47°	108	0	19.9	-47	40.0	9.3	V
43	-49°	49	0	11.3	-49	10.2	9.5	∧ J
44	-48°	42	0	11.9	-48	38.2	9.2	J
45	-48°	39	0	11.6	-48	51.1	9.9	J
46	-50°	10	0	1.9	-50	25.0	7.7	∧ V
47	-49°	14	0	2.7	-49	56.2	10	∧ V
48	-50°	29	0	5.2	-50	19.3	9.0	∧
49	-50°	39	0	7.8	-50	57.6	9.4	∧
50	-50°	43	0	9.2	-50	59.6	9.4	∧
51	-50°	44	0	9.7	-50	51.8	8.8	∧ J
52	-50°	52	0	11.9	-50	48.9	9.7	∧ J
53	-51°	60	0	12.1	-51	10.5	9.3	∧ V
54	-48°	80	0	20.0	-48	40.0	9.7	J

Cards made out

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Monday, Dec. 2, 1912.

B3 9658 short disp.

Nr	Int.	Class	Remark
55	2	G5	
56	3	K0	
57	2	G	E.
58	2	K0	E.
59	4	K0	E.
Time: 11.33 60	3	G5	

Dec. 17, 1915	61	4	K0
	62	2	A2
	63	3	K2
	64	3	F5
	65	2	G0
	66	1	F5
	67	4	F5

55	-48°	98	0	24.1	-48	21.2	9.4	1
56	-48°	99	0	24.1	-48	5.5	9.3	1
57	-50°	100	0	24.7	-50	26.5	9.5	1
58	~~-50°~~ 51	141	0	29.2	~~-50~~ -1	1.4	9.6	1
59	-50°	123	0	29.9	-50	58.7	9.0	1
60	-45°	127	0	21.5	-45	55.6	9.4	1

Identified by A.M.C. & J.C.M.
Checked by J.C.M. + H.W. Jan. 7 1913
J.C.M.'s Jan. 7, 1913
cards made out by Miss C.W.
Cards checked by G.R.B.

61	-50°	21	0	3.5	-50	33	8.5		Identified in B1458F1, No. 69
62	-46	71	0	14.1	-46	24	9.7		85 on B2376/
63	-48	40	0	11.6	-48	45	8.8		147 " "
64	-47	138	0	25.9	-47	57	9.3		103 " "
65	-47	144	0	26.3	-47	45	9.6		104 " "
66	-45	105	0	17.8	-45	17	9.6		16 " "
67	-50	88	0	22.0	-50	26	9.3		44 " B1458F1

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Tuesday. Dec 7, 1912.

Time: 2.19

P.S. 39700 short disp.

No.	Int.	Class	Remarks
1	1	F5	
2	4	F8	
3	7	G0	
4	2	F8	
5	1	K	
6	2	A0	
7	5	G0	
8	4	K0	
9	8	F0	
10	6	F5	
11	1	G0	
12	1	A	
13	1	G2	
14	3	K5	
15	2	G0	
16	1	G0	
17	2	K5	
18	3	G2	
19	2	G2	
20	2	G5	
21	8	G5	
22	3	G0	
23	5	F8	
24	2	G2	
25	4	F0	
26	1	K5	
27	2	F5	

1	-54°	723	4	48.5	-54	42.1	8.7	1 x
2	-54°	727	4	49.9	-54	31.8	8.4	1 v
3	-54°	731	4	52.5	-54	37.7	8.2	1 ✓
4	-54°	736	4	54.0	-54	48.4	8.7	1 ✓
5	-55°	711	4	53.0	-55	26.0	9.1	1 ✓
6	-55°	716	4	54.5	-55	20.0	8.8	1 N
7	-54°	739	4	55.0	-54	21.9	8.5	1 ı
8	-54°	742	4	55.1	-54	0.6	8.6	1 v
9	-54°	746	4	55.8	-54	21.4	7.8	1 ✓
10	-54°	752	4	58.6	-54	11.2	8.0	1 ✓
11	-54°	749	4	56.9	-54	50.9	9.1	1 ✓
12	-54°	747	4	56.4	-54	52.8	9.0	1 ✓
13	-55°	727	4	59.0	-55	0.0	9.1	1 ✓
14	-56°	759	4	56.5	-56	3.7	8.6	1 ✓
15	-55°	723	4	56.0	-55	39.6	8.7	^ ✓
16	-55°	730	4 5	0.2	-55	50.9	9.0	^ ✓
17	-55°	731	5	0.4	-55	58.4	8.7	^ ✓
18	-55°	735	5	2.2	-55	6.5	8.7	^ ✓
19	-54°	760	5	0.2	-54	47.8	9.0	1 ✓
20	-54°	761	5	0.3	-54	16.4	9.1	^ ✓
21	-54°	768	5	2.4	-54	34.6	7.8	^ ✓
22	-54°	772	5	4.6	-54	23.1	8.9	^ ✓
23	-53°	800	5	4.9	-53	43.3	7.8	^ ✓
24	-53°	808	5	6.0	-53	23.7	9.2	^ ✓
25	-53°	811	5	7.4	-53	40.6	8.4	^ ✓
26	-53°	809	5	6.5	-53	52.1	9.4	^ ✓
27	-54°	779	5	6.2	-54	15.2	8.8	^ ı

Cards made out

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Lunday, Dec. 3, 1912.

B39700 shot disk

No.	Int.	Class	Remark
28	1	A	
29	4	F8	
30	2	F0	
31	2	F0	
32	1	F0	Partly superposed on 31.
33	2	A5	
34	3	F0	
35	1	G0	
36	1	G5	
37	1	F0	
38	1	G5	
39	2	G5	
40	6	G5	
41	4	F5	
42	7	F0	
43	9	F0	
44	8	F0	
45	7	F0	
46	3	F8	
47	3	G0	
48	1	A5	
49	1	F0	
50	3	B3	The preceding of two.
51	1	G5	
52	1	F8	
53	2	G0	
54	5	F2	

28	-54°	781	5	6.5	-54	17.2	9.3	∧ ∨
29	-54°	783	5	6.8	-54	24.0	8.6	∧ ∫
30	-54°	784	5	7.2	-54	28.4	9.2	∧ ∫
31	-54°	786	5	7.5	-54	30.6	8.9	∧ ∨
32	-54°	788	5	7.5	-54	26.0	9.3	∧ ∫
33	-54°	780	5	6.5	-54	42.9	9.0	∧ ∨
34	-54°	791	5	8.5	-54	2.5	8.8	∧ ∫
35	-54°	795	5	9.6	-54	18.1	9.2	∧ ∨
36	-54°	796	5	9.7	-54	18.3	9.3	∧ ∫
37	-55°	755	5	8.2	-55	14.6	9.4	∧ ∨
38	-55°	761	5	9.3	-55	10.0	9.2	∧ ∨
39	-55°	772	5	13.1	-55	21.9	8.8	∧ ∫
40	-53°	817	5	11.0	-53	7.2	8.1	∧ ∫
41	-53°	820	5	12.5	-53	14.0	8.4	∧ ∨
42	-52°	680	5	12.5	-52	48.3	7.3	∧ ∨
43	-52°	677	5	11.0	-52	10.4	6.8	∧ ∫
44	-52°	683	5	12.8	-52	19.2	7.0	∧ ∨
45	-52°	691	5	14.1	-52	35.2	7.7	∧ ∫
46	-53°	826	5	13.9	-53	6.0	8.9	∧ ∨
47	-53°	825	5	13.8	-53	27.7	8.8	∧ ∫
48	-53°	821	5	12.8	-53	46.7	9.2	∧ ∫
49	-53°	829	5	14.7	-53	52.2	9.3	∧ ∨
50	-53°	833	5	15.8	-53	32.5 31.7	8.9 9.2	∨
51	-52°	699	5	15.5	-52	54.6	9.4	∧ ∨
52	-52°	703	5	16.7	-52	49.1	9.4	∧ ∫
53	-53°	838	5	16.7	-53	2.9	9.0	∧ ∨
54	-52°	704	5	16.9	-52	4.8	8.2	∧ ∨

cards made out

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Tuesday, Dec. 3, 1912.

B 39700 short disp

Nr.	Int.	Class	Remark
55	2	h_5	
56	8	J_0	
57	2	J_2	
58	1	h_0	
59	3	a_2	
60	1	J_0	
61	1	a	
62	10	a	
63	10	a	Partly superposed on 62.
64	7	h_2	
65	4	J_8	
66	4	J_5	
67	2	J_2	
68	4	J_2	
69	7	a_2	
70	2	J_2	
71	3	J_0	
72	1	J_0	
73	3	J_0	
74	2	J_8	q.
75	7	J_8	
76	3	J_0	
77	2	a_0	
78	3	h_5	
79	3	J_5	
80	2	J_0	
81	1	J_5	

55	-52°	705	5	17.4	-52	7.4	9.2	↑↓
56	-51°	1466	5	18.4	-51	41.9	7.5	↑ ↓
57	-52°	707	5	18.6	-52	34.8	8.9	↑ ↓
58	-52°	706	5	18.4	-52	56.3	9.0	↑ ↓
59	-53°	848	5	18.9	-53	5.3	8.9	↑ ↓
60	-52°	708	5	19.0	-52	51.9	9.4	↑ ↓
61	-52°	710	5	19.2	-52	58.8	9.6	↑ ↓
62	-52°	717	5	21.9	-52	26.4	7.2	↑ ↓
63	-52°	718	5	21.9	-52	26.6	6.8	↑ ↓
64	-51°	1472	5	20.1	-51	25.7	8.3	↑↓
65	-51°	1489	5	21.9	-51	5.4	8.4	↑↓
66	-53°	777	4	52.0	-53	7.0	8.3	^ ↓
67	-52°	611	4	53.2	-52	44.6	9.0	^ ↓
68	-53°	772	4	53.7	-53	13.3	8.3	^ ↓
69	-53°	774	4	54.0	-53	2.7	7.8	↑↓
70	-53°	776	4	54.6	-53	12.3	8.7	^ ↓
71	-53°	777	4	55.0	-53	35.2	8.7	^ ↓
72	-54°	734	4	53.4	-54	3.2	8.8	^↓
73	-53°	783	4	58.3	-53	11.4	8.7	↑ ↓
74	-52°	619	4	56.0	-52	26.3	9.0	^ ↓
75	-52°	646	5	2.0	-52	20.9	7.9	↑ ↓
76	-52°	637	5	0.6	-52	52.7	8.6	^ ↓
77	-52°	649	5	3.2	-52	51.2	8.8	↑ ↓
78	-52°	655	5	4.1	-52	33.7	8.8	^ ↓
79	-52°	664	5	6.2	-52	5.6	8.6	^ ↓
80	-52°	665	5	7.2	-52	14.1	8.6	^ ↓
81	-52°	669	5	7.6	-52	28.6	8.8	^ ↓

cards made out

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Tuesday Dec. 3, 1912.

B 39 700 short decp

No.	Int.	Class	Remark
82	6	F0	
83	3	A0	
84	7	F0	
85	4	G5	
86	5	F2	
87	5	A0	
88	3	G5	
89	3	F5	
90	2	F0	
91	5	F2	
92	1	F5 ~~G5~~	
93	2	A5	
94	1	G5	
95	4	G5	
96	5	F0	
97	2	A2	
98	3	F2	
99	1	G0	
Time: 2.35	100	1	G5
	101	3	A3

ent 132, 80

82	-52°	666	5	7.2	-52	48.3	7.5	1 V
83	-52°	674	5	9.7	-52	12.0	8.8	1 V
84	-51°	1402	5	9.4	-51	42.1	7.6	1 V
85	-51°	1367	5	2.4	-51	36.5	8.4	1 V
86	-51°	1372	5	3.6	-51	6.4	8.5	1 V
87	-51°	1387	5	6.4	-51	13.0	8.9	1 V
88	-51°	1393	5	7.6	-51	27.4	8.5	1 V
89	-51°	1415	5	11.2	-51	30.0	8.4	1 V
90	-51°	1429	5	13.3	-51	25.2	9.0	1 V
91	-51°	1433	5	13.5	-51	36.4	8.3	1 V
92	-51°	1436	5	14.4	-51	30.1	9.4	1 V
93	-51°	1438	5	14.7	-51	27.2	9.5	1 V
94	-51°	1442	5	15.1	-51	20.6	9.4	1 V
95	-51°	1447	5	15.5	-51	33.0	8.6	1 V
96	-51°	1452	5	16.0	-51	42.5	7.9	1 V
97	-51°	1461	5	17.7	-51	22.2	9.4	1 V
98	-50°	1717	5	15.4	-50	51.5	8.5	1 V
99	-54°	816	5	18.4	-54	31.0	8.9	1 V
100	-54°	828	5	21.9	-54	16.1	9.2	1 V
101								

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

Checked Jan. 30 1913. HAW

cards made out by M. C. W.

Checked by S.R.B.

✓ 101 −52 631 4 58.6 −52 1.4 8.6 131 m B 48400

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Wednesday, Dec. 4, 1912.

Time: 10.35

B 1848.2 chart disp.

No	Fact.	Class	Remark
1	5	A	E.
2	7	J_0	
3	3	J_5	
4	4	J_8	
5	4	$J_{1.5}$	
6	2	A	
7	6	J_0	
8	2	J_1	
9	1	$J_{1.2}$	
10	3	$J_{1.3}$	
11	6	A_3	
12	7	$J_{1.5}$	
13	4	J_0	
14	8	A_2	
15	2	J_8	
16	1	$J_{1.3}$	
17	1	J_1	
18	6	J_1	
19	10	A_0	Gm 13.4678 Lwie 4.936 seem.
20	2	$A_{1.3}$	
21	2	$J_{1.2}$	
22	8	$J_{1.5}$	
23	8	J_2	
24	7	A_5	
25	5	$J_{2.9}$	
26	2	$J_{1.5}$	
27	2	$J_{1.0}$	

1	-43°	1623	4	53.8	-43	13.4	7.5	1 ✓
2	-43°	1630	4	55.2	-43	34.7	7.5	1 ✓
3	-43°	1637	4	56.1	-43	28.6	7.8	1 ✓
4	-43°	1628	4	55.1	-43	53.0	7.8	1 ✓
5	-44°	1792	4	53.0	-44	23.4	7.8	1 ✓
6	-44°	1801	4	54.1	-44	49.3	9.7	1 ✓
7	-44°	1805	4	54.7	-44	46.0	8.6	1 ✓
8	-44°	1809	4	55.1	-44	52.0	9.1	1 ✓
9	-45°	1757	4	54.6	-45	1.1	9.2	1 ✓
10	-45°	1754	4	54.2	-45	20.5	9.1	1 ✓
11	-45°	1772	4	57.9	-45	59.4	8.9	1 ✓
12	-45°	1772	4	57.9	-45	0.4	8.0	1 ✓
13	-44°	1841	4	59.2	-44	59.8	8.5	1 ✓
14	-45°	1795	5	0.3	-45	23.0	8.1	1 ✓
15	-45°	1790	4	59.5	-45	42.9	9.6	1 ✓
16	-45°	1798	5	0.8	-45	7.2	8.7	1 ✓
17	-45°	1806	5	1.7	-45	8.0	9.5	1 ✓
18	-44°	1860	5	2.2	-44	56.8	7.8	1 ✓
19	-44°	1873	5	3.7	-44	59.0	6.9	1 ✓
20	-44°	1851	5	1.2	-44	37.0	9.1	1 ✓
21	-44°	1848	5	1.0	-44	20.3	8.4	1 ✓
22	-44°	1875	5	3.9	-44	7.9	8.1	1 ✓
23	-44°	1893	5	5.9	-44	29.0	7.4	1 ✓
24	-45°	1834	5	6.1	-45	1.9	8.1	1 ✓
25	-45°	1838	5	6.5	-45	0.8	9.0	1 ✓
26	-44°	1905	5	7.0	-44	43.9	8.6	1 ✓
27	-44°	1908	5	7.1	-44	44.5	8.6	1 ✓

Cards made out

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Wednesday, Dec. 4, 1912

B 18 482 short disp.

No.	Int.	Class	Remarks
28	3	K2	
29	7	A0	
30	5	A2	
31	9	B9	Looked up info on B4676
32	2	G0	
33	4	F5	
34	4	F0	
35	6	F0	
36	1	F5	
37	7	F2	
38	4	F5	
39	2	F5	
40	1	K0	
41	1	G	
42	3	G0	
43	4	A0	
44	2	K5	
45	1	M	
46	1	G5	
47	8	A2	
48	7	K0	
49	9	A0	
50	3	A5	
51	3	F0	
52	3	A0	
53	3	A0	Pretty superposed on 54.
54	8	A0	Get long disp.

28	-44°	1913	5	7.7	-44	6.0	7.8	1 v
29	-44°	1947	5	10.8	-44	21.8	8.3	1 J
30	-45°	1871	5	10.9	-45	56.1	9.0	1 r
31	-47°	1760	5	13.1	-47	2.8	7.3	1 J
32	-47°	1766	5	13.2	-47	3.9	9.1	1 J
33	-47°	1757	5	12.6	-47	36.5	8.6	1 J
34	-47°	1749	5	11.5	-47	20.1	8.5	1 J
35	-48°	1694	5	10.1	-48	1.5	8.1	1 J
36	-47°	1733	5	9.2	-47	30.8	9.5	1 J
37	-47°	1728	5	8.5	-47	25.5	8.4	1 J
38	-47°	1711	5	6.9	-47	9.6	8.9	1 J
39	-46°	1713	5	6.5	-46	50.2	9.3	1 J
40	-46°	1740	5	10.1	-46	40.1	9.2	1 J
41	-46°	1718	5	7.0	-46	24.3	9.3	1 J
42	-46°	1699	5	4.3	-46	26.4	8.8	1 J
43	-45°	1823	5	4.1	-45	56.0	9.1	1 J
44	-45°	1833	5	6.1	-45	33.2	8.5	1 J
45	-45°	1844	5	7.6	-45	43.8	8.8	1 J
46	-47°	1709	5	6.6	-47	35.1	9.1	1 J
47	-48°	1669	5	7.4	-48	36.6	7.8	1 J
48	-49°	1590	5	5.9	-49	8.3	7.4	1 J
49	-49°	1580	5	4.9	-49	27.6	7.7	1 J
50	-49°	1594	5	6.6	-49	30.4	9.2	1 J
51	-49°	1586	5	5.6	-49	39.2	9.1	1 J
52	-49°	1582	5	5.1	-49	55.0	9.3	1 J
53	-49°	1611	5	8.9	-49	12.5	9.1	1 J
54	-49°	1610	5	8.8	-49	12.6	8.0	1 J

Cards made out

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Wednesday D 20.4.1910.

B 18482 short disp.

Nr.	Int.	Class	Remark
55	5	Fo	
56	1	A	
57	1	F	
Time 10.55 58	1	F	
59	1	Ko	
Time: 11.00 60	1	Ko	

55	-48°	1717	5	12.6	-48	49.6	8.1	1 V
56	-48°	1696	5	10.5	-48	25.6	9.3	1 V
57	-48°	1693	5	10.1	-48	38.4	9.5	1 ✓
58	-48°	1648	5	3.9	-48	52.8	8.9	1 V
59	-45°	1841	5	6.9	-45	0.6	9.1	1 N
60	-45°	1845	5	7.7	-45	6.6	9.3	1 V

Identified by J.C.M Jan. 29 1913.

Checked Jan. 29 1913. DOW

cards made out by M. C. W.

Cards checked by E.B.B.

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Wednesday Dec. 4. 1912

Time: 11.05

B 20648 shot aids.

No.	Int.	Class	Remark
1	2	Ly	
2	3	F8	
3	2	Ly5	
4	3	Ly5	
5	5	F5	
6	2	K0	
7	7	A0	
8	2	K0	
9	3	K0	
10	6	A2	
11	3	Ly0	
12	4	Ly0	
13	8	F0	
14	5	F2	
15	8	K0	
16	1	F	
17	2	K0	
18	3	K0	
19	5	F5	
20	4	F1	
21	3	K0	
22	2	F5	
23	2	F8	
24	3	A0	
25	2	Ly5	
26	3	F8	
27	3	K0	

1	-41°	1684	4	59.2	-41	31.5	9.3
2	-41°	1711	5	2.8	-41	19.6	9.0
3	-41°	1713	5	3.0	-41	25.9	9.7
4	-41°	1703	5	2.1	-41	36.9	8.6
5	-42°	1759	5	1.6	-42	9.4	8.8
6	-42°	1758	5	1.5	-42	17.6	9.0
7	-41°	1708	5	2.6	-41	56.4	8.3
8	-42°	1778	5	2.8	-42	6.3 57.7	9.2
9	-42°	1777	5	3.5	-42	1.8	8.9
10	-42°	1776	5	3.5	-42	20.0	8.8
11	-42°	1780	5	3.8	-42	23.5	9.6
12	-42°	1788	5	4.4	-42	32.5	9.6
13	-42°	1794	5	5.2	-42	10.6	7.7
14	-41°	1788	5	6.4	-41	45.1	8.8
15	-41°	1754	5	8.1	-41	49.2	7.5
16	-41°	1753	5	7.7	-41	38.8	8.7
17	-42°	1810	5	7.9	-42	18.6	9.2
18	-42°	1818	5	9.0	-42	9.2	8.9
19	-42°	1817	5	8.9	-42	33.0	8.7
20	-42°	1802	5	6.9	-42	34.4	8.6
21	-42°	1795	5	5.5	-42	45.7	8.9
22	-43°	1699	5	4.0	-43	21.0	9.2
23	-43°	1714	5	4.9	-43	23.6 32.5	9.5
24	-43°	1713	5	6.2	-43	28.4	9.5
25	-43°	1718 1719	5	6.9	-43	28.0	8.9
26	-43°	1720	5	7.1	-43	38.5	9.0
27	-43°	1724	5	7.8	-43	2.1	9.1

cards made out

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Wednesday, Dec. 4, 1912

Ts 20648 short exp.

No.	Int.	Class	Remarks
28	1	$\frac{1}{2}$	
29	2	$\frac{1}{5}$	
30	5	$\frac{1}{10}$	
31	2	$\frac{1}{10}$	
32	7	$\frac{1}{8}$	
33	3	$\frac{1}{10}$	
34	2	$\frac{1}{10}$	
35	1	$\frac{1}{25}$	
36	8	$\frac{1}{25}$	
37	3	$\frac{1}{50}$	
38	2	A2	
39	3	$\frac{1}{50}$	
40	3	A3	Partly superposed on 39.
41	6	$\frac{1}{25}$	
42	3	$\frac{1}{5}$	
43	2	$\frac{1}{2}$	
44	2	$\frac{1}{2}$	
45	3	$\frac{1}{50}$	
46	2	$\frac{1}{2}$	
47	3	$\frac{1}{50}$	
48	5	$\frac{1}{8}$	
49	5	$\frac{1}{25}$	
50	6	$\frac{1}{10}$	
51	3	$\frac{1}{8}$	
52	5	$\frac{1}{10}$	
53	2	$\frac{1}{10}$	
54	2	$\frac{1}{10}$	

28	-43°	1726	5	8.0	- 43	1.8	9.6 V
29	-43°	1733	5	9.2	- 43	10.0	9.7 V
30	-43°	1740	5	9.7	- 43	5.4	8.7 V
31	-43°	1752	5	10.8	- 43	4.8	9.2 V
32	-42°	1747	5	12.0	- 42	59.4	8.7 V
33	-42°	1840	5	11.3	- 42	45.4	9.0 V
34	-42°	1828	5	9.9	- 42	43.0	9.4 V
35	-42°	1838	5	11.2	- 42	32.8	9.3 V
36	-42°	1853	5	12.7	- 42	39.2	8.4 V
37	-42°	1857	5	13.1	- 42	21.4	9.4 V
38	-41°	1801	5	13.6	- 41	58.5	9.3 V
39	-41°	1771	5	10.6	- 41	19.4	9.0 V
40	-41°	1770	5	10.5	- 41	23.7	9.1 V
41	-43°	1757	5	11.3	- 43	51.6	8.7 V
42	-42°	1756	5	1.4	- 42	40.6	9.4 V
43	-42°	1765	5	2.0	- 42	35.9	9.5 V
44	-42°	1764	5	1.9	- 42	48.3	9.4 V
45	-41°	1812	5	15.2	- 41	42.6	8.7 V
46	-41°	1828	5	16.5	- 41	47.9	8.5 V
47	-42°	1881	5	15.6	- 42	16.8	9.1 V
48	-42°	1891	5	16.7	- 42	51.7	8.6 V
49	-42°	1912	5	19.0	- 42	26.7	8.3 V
50	-42°	1930	5	20.9	- 42	33.2	8.1 V
51	-42°	1928	5	20.8	- 42	45.9	9.4 V
52	-41°	1867	5	21.5	- 41	27.5	7.7 V
53	-41°	1870	5	21.7	- 41	35.3	8.7 V
54	-41°	1878	5	22.4	- 41	56.1	8.6 V

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Wednesday, Dec. 4, 1912
B 20648 short disp.

	No.	Int.	Class	Remark
Time: 11.10	55	2	ly5	
	~~56~~			

cont. 132, 86

55 -41° 1850 5 20.1 - 4.1 3.6 8.5 ✓
Identified by ANC. Jan. 18, 1913
Checked by J. C. M. Feb. 10, 1913
cards made out by M. C. W.
Cards checked by G. R. B.

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Wednesday. Dec. 4. 1912.

Time: 12.30

B1469 plant disp.

No.	Int.	Class	Remark
1	5	I_{45}	
2	8	I_{45}	
3	2	A	E.
4	4	I_{40}	
5	4	I_{45}	
6	10	A_{00}	
7	1	I_{45}	
8	3	I_{45}	
9	4	III_{0}	
10	2	I_{4}	
11	2	III	
12	5	I_{40}	
13	10	III_{0}	
14	2	III_{0}	
15	2	III_{0}	
16	4	I_{0}	
17	2	III_{0}	
18	3	A_{00}	
19	6	I_{45}	
20	1	A	Nearly all superposed on 21.
21	4	A_{00}	
22	2	III_{0}	
23	10	A_{05}	
24	8	A_{22}	Focus poor.
25	3	III_{2}	
26	5	I_{40}	
27	7	A_{00}	

1	-39°	1985	5	23.8	-39	0.9	7.3 ✓
2	-39°	1984	5	23.6	-39	19.2	7.1 ✓
3	-38°	2057	5	24.8	-38	53.0	9.0 ✓
4	-40°	1909	5	24.8	-40	6.6	8.4 ✓
5	-40°	1905	5	24.3	-40	47.0	8.3 ✓
6	-41°	1884	5	23.1	-41	3.5	6.1 ✓
7	-40°	1890	5	21.9	-40	30.6	8.7 ✓
8	-40°	1918	5	25.5	-40	34.5	8.3 ✓
9	-40°	1920	5	25.6	-40	50.0	8.2 ✓
10	-41°	1898	5	25.0	-41	17.7	8.8 ✓
11	-39°	1990	5	24.3	-39	28.0	9.4 ✓
12	-38°	2082	5	28.0	-38	17.0	8.0 ✓
13	-38°	2085	5	28.7	-38	36.3	5.8 ✓
14	-38°	2077	5	27.7	-38	39.2	8.7 ✓
15	-39°	2045	5	29.3	-39	13.7	8.7 ✓
16	-39°	2044	5	29.3	-39	32.5	9.0 ✓
17	-39°	2038	5	28.5	-39	40.6	8.7 ✓
18	-40°	1942	5	28.0	-40	8.6	9.8 ✓
19	-41°	1942	5	29.5	-41	0.9	8.2 ✓
20	-41°	1915	5	27.0	-41	42.3	8.4 ✓
21	-41°	1916	5	27.1	-41	43.5	8.7 ✓
22	-42°	1959	5	25.4	-42	10.0	8.8 ✓
23	-42°	1975	5	27.3	-42	23.7	6.7 ✓
24	-42°	1981	5	27.5	-42	48.8	9.1 ✓
25	-43°	1912	5	29.2	-43	7.9	8.3 ✓
26	-42°	2013	5	30.6	-42	51.2	8.8 ✓
27	-43°	1985	5	31.7	-43	28.7	8.8 ✓

cards made out

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Wednesday, Dec. 4, 1912.
93 14691 obs. Taylor.

No.	Int.	Class	Remark
28	2	Jf	
29	5	Jf0	
30	1	Jf	
31	4	J0	
32	3	Jf2	
33	2	Jf2	
34	7	fg0	
35	2	J5	Focus poor.
36	4	fg5	
37	1	Jf0	
38	3	Jf2	
39	7	Jf0	
40	4	A3	
41	6	f38	
42	2	Jf2	
43	6	fg0	
44	7	J5	
45	5	Jf0	
46	2	J10	
47	3	fg5	
48	2	fg5	
49	1	Jf	
50	3	fg5	
51	2	Jf0	
52	2	Jf3	
53	1	Jf0	
54	2	A	Partly unexposed on 58.

28	-43°	1926	5	30.7	-43	58.0	9.5
29	-44°	2137	5	32.7	-44	6.9	7.7
30	-44°	2130	5	31.7	-44	25.3	8.9
31	-44°	2152	5	34.5	-44	9.7	9.1
32	-43°	1964	5	35.3	-43	48.4	8.6
33	-43°	1957	5	34.5	-43	31.1	8.8
34	-43°	1954	5	34.2	-43	2.7	7.5
35	-42°	2037	5	33.4	-42	47.3	9.2
36	-42°	2066	5	36.0	-42	57.6	8.7
37	-43°	1971	5	36.2	-43	32.8	8.5
38	-43°	1972	5	36.4	-43	38.9	7.9
39	-43°	1987	5	38.4	-43	34.2	7.5
40	-43°	1994	5	39.1	-43	51.5	9.3
41	-42°	~~2066~~ 2097	5	~~36.0~~ 39.2	-42	~~57.6~~ 54.3	~~8.7~~ 8.3
42	-42°	~~2048~~ 2081	5	~~34.1~~ 37.5	-42	~~24.0~~ 28.0	~~9.4~~ 8.5
43	-41°	1979	5	38.8	-41	14.2	7.7
44	-41°	1987	5	34.7	-41	22.2	7.7
45	-41°	2004	5	36.0	-41	35.9	7.6
46	-41°	1981	5	34.2	-41	43.8	8.5
47	-41°	1994	5	35.3	-41	49.8	8.6
48	-41°	1956	5	31.5	-41	58.5	8.7
49	-42°	2012	5	30.6	-42	10.2	9.4
50	-42°	1997	5	29.1	-42	1.6	8.8
51	-41°	1936	5	29.0	-41	48.5	8.5
52	-40°	1963	5	30.4	-40	56.9	9.1
53	-40°	1967	5	31.0	-40	40.4	9.2
54	-40°	1979	5	32.1	-40	47.4	9.0

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Wednesday, Dec. 4, 1912.

B14691 short disp.

No.	Int.	Class	Remark
55	2	A	Partly superposed on 54.
56	2	Ap	
57	10+	A	
58	6	F2	
59	4	Ap	
60	3	A3	
61	7	A0	

Time: 12.42

~~Dec. 5, 1912~~

~~Time: 10.42 62~~

55 - 40°	1981 5	32.2 - 40	46.4	9.5	✓
56 - 40°	1992 5	33.7 - 40	44.4	8.7	✓
57 - 40°	1999 5	34.7 - 40	46.9	5.7	✓
58 - 40°	2008 5	35.5 - 40	45.6	8.0	✓
59 - 39°	2080 5	33.8 - 39	52.8	8.0	✓
60 - 39°	2077 5	33.5 - 39	34.0	9.1	✓
61 - 39°	2082 5	34.1 - 39	23.6	8.3	✓

Identified by ANC Jan. 18, 1913

Checked by J.C.M. Jan. 22, 1913.

cards made out by M.C.W.

Cards checked by E.P.C.

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Thursday, Dec. 5, 1912.

Time: 10.42.

T 20649 short disp.

No.	Dist.	Class	Remark
1	8	Ma	
2	3	$G5$	
3	4	$F8$	
4	2	A_2	
5	1	$G5$	
6	9	A_0	
7	5	$G5$	
8	7	K_3	
9	1	G_0	
10	2	K_2	
11	10	A_0	
12	2	$F8$	
13	1	G	
14	2	$G5$	
15	5	Ma	
16	2	$G5$	
17	3	$F8$	
18	5	K_2	
19	3	K_0	
20	3	A_0	
21	2	F	Partly superposed on 22.
22	5	K_0	
23	5	A_2	
24	3	K_2	
25	4	A_2	
26	2	A_3	
27	9	$G5$	

1	-40°	2291	6	6.2	- 40	19.3	6.0	J
2	-40°	2296	6	6.5	- 40	42.7	8.7	V
3	-41°	2256	6	6.2	- 41	12.8	8.6	J
4	-40°	2286	6	5.7	- 40	51.5	9.2	J
5	-40°	2283	6	5.2	- 40	47.8	9.0	J
6	-41°	2246	6	5.1	- 41	5.6	7.5	J
7	-41°	2243	6	4.5	- 41	15.6	7.7	J
8	-41°	2233	6	3.5	- 41	33.5	8.4	J
9	-41°	2232	6	3.2	- 41	31.5	9.7	J
10	-41°	2229	6	2.8	- 41	46.3	7.8	J
11	-41°	2227	6	2.7	- 41	12.0	7.0	J
12	-40°	2264	6	3.4	- 40	48.5	9.1	J
13	-40°	2270	6	3.8	- 40	42.8	9.6	V
14	-40°	2274	6	4.3	- 40	12.7	9.0	J
15	-39°	2398	6	4.0	- 39	58.4	7.7	V
16	-40°	2258	6	2.8	- 40	5.1	8.7	J
17	-40°	2249	6	2.1	- 40	11.4	9.4	J
18	-40°	2244	6	1.4	- 40	2.7	7.8	V
19	-39°	2372	6	1.8	- 39	39.4	8.5	V
20	-39°	2361	6	0.9	- 39	41.9	9.3	J
21	-39°	2355	6	0.1	- 39	46.9	9.5	J
22	-39°	2354	6	0.0	- 39	49.4	8.0	V
23	-39°	2331	5	58.3	- 39	19.1	9.2	V
24	-39°	2344	5	59.2	- 39	3.7	8.7	V
25	-38°	2386	5	59.2	- 38	53.5	8.7	J
26	-38°	2378	5	58.6	- 38	53.1	9.3	V
27	-38°	2372	5	58.0	- 38	59.9	6.9	V

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Thursday, Dec. 5 1912.

B 2 0609 short exp.

Nr.	Dist	Class	Remark
27	4	Fo	
29	3	Ko	
30	2	Ao	
31	4	Ko	
32	2	Gs	
33	2	Go	
34	5	Fs	
35	2	Ma	
36	5	Ko	
37	5	Fo	
38	5	F8	
39	2	Go	
40	8	F3s	Spt long exp
41	2	Ko	
42	2	Ko	
43	2	Gs	
44	7	Go	
45	7	Ao	
46	10	Fs	
47	3	Ks	
48	6	A3	
49	8	Ko	
50	1	Ks	
51	1	Ks	
52	2	Go	
53	3	Fs	Continuation faintly superposed N with preceding
54	4	A2	

28	− 39°	2321	5	57.2 − 39	17.7	8.6 ✓
29	− 39°	2322	5	57.8 − 39	33.4	8.9 ✓
30	− 39°	2326	5	57.5 − 39	40.4	9.7 ✓
31	− 40°	2216	5	58.3 − 40	15.0	8.5 ✓
32	− 40°	2208	5	57.6 − 40	8.0	9.0 ✓
33	− 40°	2207	5	57.6 − 40	16.5	9.6 ✓
34	− 39°	2319	5	56.5 − 39	57.2	8.5 ✓
35	− 39°	2314	5	55.9 − 39	18.1	8.4 ✓
36	− 39°	2312	5	55.7 − 39	14.1	8.0 ✓
37	− 39°	2302	5	54.9 − 39	44.4	9.1 ✓
38	− 39°	2294	5	54.5 − 39	42.9	9.0 ✓
39	− 40°	2184	5	54.5 − 40	22.6	9.6 ✓
40	− 40°	2179	5	53.6 − 40	9.0	8.4 ✓
41	− 39°	2290	5	53.9 − 39	50.4	9.5 ✓
42	− 39°	2284	5	53.2 − 39	35.9	9.0 ✓
43	− 39°	2280	5	53.0 − 39	32.4	9.0 ✓
44	− 38°	2338	5	55.1 − 38	43.8	8.0 ✓
45	− 38°	2301	5	51.9 − 38	18.0	8.7 ✓
46	− 38°	2296	5	51.5 − 38	7.7	7.7 ✓
47	− 38°	2286	5	50.7 − 38	16.4	8.5 ✓
48	− 39°	2276	5	52.5 − 39	55	8.5 ✓
49	− 39°	2275	5	52.2 − 39	10.6	7.5 ✓
50	− 38°	2307	5	52.3 − 38	38.5	9.0 ✓
51	− 38°	2299	5	51.8 − 38	39.2	8.7 ✓
52	− 38°	2293	5	51.3 − 38	34.8	9.6 ✓
53	− 39°	2267	5	51.2 − 39	30.8	9.6 ✓ −39° 2266 mean 9.6 superposed
54	− 40°	2171	5	52.6 − 40	0.5	8.7 ✓

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Thursday Dec. 5, 1912.

B3064 chart disp.

Nr.	Int.	Class	Remark
55	7	F5	
56	3	A5	
57	8	F5	
58	1	G0	
59	2	G5	
60	10	K5	
61	2	A2	
62	2	G5	
63	1	K5	Pathetic Man
64	2	G0	
65	2	G0	
66	2	F8	
67	3	K5	
68	7	K5	
69	4	F0	
Time: 10.55 70	3	F8	
" 11.35 71	2	F5	
72	7	G5	
73	6	F0	
74	2	F8	
75	3	F8	
76	2	F5	
77	3	K5	
78	6	F8	
79	3	G0	
80	2	F8	
81	9	K0	

55	-40°	2177	5	53.4	-40	26.0	8.0 ✓
56	-40°	2178	5	53.0	-40	23.6	9.3 ✓
57	-40°	2169	5	52.4	-40	33.9	8.1 ✓
58	-40°	2167	5	51.9	-40	19.0	9.7 ✓
59	-40°	2162	5	51.8	-40	15.5	9.0 ✓
60	-39°	2260	5	50.8	-39°	58.6	5.8 ✓
61	-40°	2149	5	50.5	-40	4.5	9.7 ✓
62	-40°	2144	5	50.0	-40	1.0	9.4 ✓
63	-40°	2155	5	50.9	-40	26.0	9.1 ✓
64	-40°	2161	5	51.5	-40	46.4	9.5 ✓
65	-40°	2159	5	51.3	-40	42.4	8.8 ✓
66	-40°	2133	5	49.8	-40	26.0	9.3 ✓
67	-40°	2131	5	48.9	-40	49.5	8.5 ✓
68	-41°	2109	5	48.0	-41	7.7	7.1 ✓
69	-40°	2118	5	47.8	-40	43.5	9.0 ✓
70	-40°	2114	5	47.4	-40	32.5	9.0 ✓
71	-40°	2126	5	48.5	-40	15.0	9.7 ✓
72	-40°	2117	5	47.7	-40	10.5	7.9 ✓
73	-40°	2108	5	47.0	-40	21.1	8.5 ✓
74	-40°	2106	5	46.9	-40	28.5	9.9 ✓
75	-40°	2112	5	47.3	-40	45.0	9.6 ✓
76	-40°	2110	5	47.1	-40	44.0	9.9 ✓
77	-41°	2087	5	45.7	-41	4.7	9.3 ✓
78	-41°	2081	5	45.1	-41	16.0	8.7 ✓
79	-41°	2077	5	44.6	-41	0.2	9.0 ✓
80	-41°	2095	5	44.2	-41	5.8	9.5 ✓
81	-40°	2085	5	44.0	-40	42.0	6.8 ✓
						Cards made out	

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Thursday, F 10.5, 1918

F 32649 about 5 exp.

No.	Int.	Class	Remark
82	3	G5	
83	4	G5	
84	5	K0	
85	3	G0	
86	7	G0	
87	4	G5	
88	4	G5	
89	6	A0	
90	8	Ma	
91	2	A2	
92	3	G0	
93	3	F8	
94	2	G0	
95	1	F5	
96	2	G0	
97	6	A3	
98	2	K0	
99	2	G5	
100	9	A3	
101	3	G5	
102	3	G0	
103	5	K2	
104	1	G5	
105	3	F8	
106	2	G0	
107	1	G2	
108	5	K0	

82	-40°	2080	5	48.6	-40	41.0	9.7 ✓
83	-40°	2084	5	43.9	-40	24.8	9.5 ✓
84	-40°	2079	5	43.3	-40	21.8	8.3 ✓
85	-40°	2089	5	44.3	-40	14.7	9.3 ✓
86	-39°	2222	5	46.7	-39	47.1	8.9 ✓
87	-39°	2198	5	44.5	-39	58.7	9.0 ✓
88	-40°	2083	5	43.8	-40	6.2	9.1 ✓
89	-41°	2065	5	43.6	-41	~~38.0~~ 12.8	9.0 ✓
90	-41°	2066	5	43.6	-41	38.0	7.1 ✓
91	-41°	2061	5	43.0	-41	27.0	9.5 ✓
92	-40°	2078	5	48.1	-40	56.1	9.0 ✓
93	-40°	2075	5	42.7	-40	47.5	9.3 ✓
94	-41°	2058	5	42.7	-41	2.8	9.4 ✓
95	-40°	2073	5	42.3	-40	51.5	9.6 ✓
96	-40°	2071	5	42.0	-40	56.2	9.1 ✓
97	-41°	2050	5	41.6	-41	8.8	8.7 ✓
98	-41°	2052	5	41.8	-41	27.0	9.1 ✓
99	-41°	2049	5	41.3	-41	23.5	9.6 ✓
100	-41°	2048	5	41.2	-41	50.0	7.2 ✓
101	-41°	2043	5	41.0	-41	58.3	9.1 ✓
102	-41°	2040	5	40.6	-41	22.6	9.5 ✓
103	-41°	2037	5	40.2	-41	9.8	8.0 ✓
104	-41°	2029	5	39.8	-41	23.1	9.5 ✓
105	-40°	2043 6	5	39.1 .2	-40	49.0 ~~13.2~~ 1	9.2 ✓
106	-40°	2066	5	41.4	-40	34.5	9.6 ✓
107	-40°	2070	5	42.0	-40	19.8	9.9 ✓
108	-40°	2068	5	41.7	-40	18.6	8.3 ✓

Cards made out

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Thursday, Dec. 5, 1912.

320649 sl. s disp.

Nos.	Int.	Class	Remark
109	8	Ko	
110	2	Gs	
111	3	Gp	
112	7	Gp	
113	2	Ks	
114	5	Gp	
115	2	Fs	
116	5	Fs	
117	2	Go	
118	1	G	
119	1	G	
120	2	Gs	
121	4	Fs	
122	4	Fs	
123	4	Fs	
124	2	F	E.
125	2	G	E.
126	2	Gs	
127	2	G	E.
128	3	Fs	E.
129	1	K	E.
130	2	Ko	E.
131	2	Go	
132	2	Ko	
133	1	Gs	
134	2	Fs	
135	2	Go	

109	-40°	2064	5	41.1	-40	15.1	7.1 ✓
110	-39°	2155	5	40.7	-39	54.0	9.6 ✓
111	-40°	2055	5	40.2	-40	3.6	9.9 ✓
112	-39°	2142	5	39.5	-39	58.3	8.8 ✓
113	-40°	2089	5	38.8	-40	5.2	9.0 ✓
114	-40°	2048	5	39.1	-40	13.2	9.2 ✓
115	-40°	2029	5	37.9	-40	20.5	9.7 ✓
116	-39°	2121	5	37.1	-39	57.3	9.2 ✓
117	-40°	2017	5	36.3	-40	19.1	9.5 ✓
118	-40°	2013	5	36.1	-40	29.1	9.5 ✓
119	~~-39~~ -40°	2009	5	35.5	-40	21.6	9.7 ✓
120	~~-39~~ -40°	2004	5	35.1	~~-39~~ -40°	13.2	9.0 ✓
121	-39°	2096	5	35.3	-39	43.0	9.0 ✓
122	-39°	2078	5	33.6	-39	56.0	9.4 ✓
123	-40°	1992	5	33.7	-40	44.4	8.7 ✓
124	-40°	1998	5	33.3	-40	~~44.4~~ 39.4	9.7 ✓
125	-40°	1994	5	33.8	-40	28.4	9.7 ✓
126	-40°	1987	5	33.1	-40	12.5	9.1 ✓
127	-40°	1982	5	32.6	-40	21.4	9.6 ✓
128	-39°	2065	5	31.7	-39	22.6	9.0 ✓
129	-40°	1953	5	29.7	-40	51.1	9.5 ✓
130	-41°	1936	5	29.0	-41	48.5	8.5 ✓
131	-42°	~~2002~~ 2020	5	31.4	-42	47.0	9.6 ✓
132	-42°	2048	5	34.1	-42	24.0	9.4 ✓
133	-42°	2051	5	34.5	-42	41.0	9.8 ✓
134	-42°	2070	5	36.2	-42	16.0	9.7 ✓
135	-41°	1999	5	35.8	-41	55.4	9.0 ✓

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Thursday Dec. 5, 1912.

B 22649 short strip.

Nr.	Int.	Class	Remark
136	3	K0	
137	4	K2	
138	2	K5	
139	1	K	
140	2	K	
141	3	K5	
142	5	A0	
143	2	K5	
144	1	K0	
145	3	K5	E.
146	2	K	E.
147	1	K	E.
148	2	K5	E.
149	3	K0	
150	5	K0	
151	6	A0	
152	4	A0	
153	2	K0	
154	2	K2	
155	4	K2	
156	3	A2	
157	4	K5	
158	3	K0	
159	2	Ma	
160	5	K0	
161	7	A0	
162	8	K2	

136	-41°	2015	5	37.5	-41	47.7	8.7 J
137	-42°	2081	5	37.5	-42	20.0	8.5 ✓
138	-42°	2080	5	37.8	-42	38.3	9.8 J
139	-42°	2089	5	38.3	-42	38.0	9.5 ✓
140	-42°	2103	5	39.8	-42	13.9	9.4 ✓
141	-42°	2109	5	40.0	-42	12.9	9.3 ✓
142	-41°	2080	5	39.8	-41	50.7	9.3 J
143	-41°	2027	5	39.4	-41	55.9	9.0 J
144	-42°	2093	5	38.8	-42	0.0	9.4 ✓
145	-41°	1995	5	35.4	-41	7.8	9.3 J
146	-41°	1986	5	34.4	-41	4.3	9.7 J
147	-41°	1984	5	34.3	-41	17.2	9.4 J
148	-41°	1983	5	34.3	-41	28.2	9.0 J
149	-42°	2142	5	43.0	-42	11.8	8.7 ✓
150	-42°	2163	5	44.9	-42	21.9	8.0 ✓
151	-42°	2164	5	45.0	-42	19.2	8.6 J
152	-42°	2165	5	45.1	-42	50.5	9.1 ✓
153	-41°	2088	5	45.8	-41	39.0	9.3 J
154	-41°	2089	5	46.9	-41	44.0	9.3 J
155	-42°	2176	5	46.3	-42	1.8	9.1 ✓
156	-41°	2094	5	469	-41	59.3	9.5 J
157	-42°	2185	5	47.5	-42	0.0	8.9 J
158	-42°	2190	5	47.9	-42	3.0	9.4 J
159	-41°	2108	5	47.8	-41	52.8	9.0 J
160	-41°	2104	5	47.7	-41	43.0	8.0 ✓
161	-41°	2119	5	49.4	-41	59.3	8.0 J
162	-42°	2215	5	50.0	-42	15.3	8.4 J

Cards made out

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Thursday, Dec. 5, 1912.

320649 el. Equib.

No.	Int.	Class	Remark
163	3	$\frac{f}{5}$	The following of Two
164	2	$\frac{f}{0}$	
165	3	$\frac{f}{5}$	
166	3	$\frac{f}{5}$	
167	2	$\frac{A}{0}$	
168	1	$\frac{f}{5}$	
169	1	$\frac{f}{0}$	
170	6	$\frac{F}{8}$	
171	7	$\frac{A}{0}$	
172	1	$\frac{f}{5}$	
173	5	$\frac{A}{2}$	
174	3	$\frac{f}{0}$	
175	1	$\frac{f}{0}$	
176	1	$\frac{A}{}$	
177	1	$\frac{f}{0}$	
178	3	$\frac{f}{5}$	
179	9	$\frac{F}{39}$	
180	1	$\frac{f}{5}$	
181	2	$\frac{f}{0}$	
182	8	$\frac{F}{2}$	
183	3	$\frac{f}{0}$	
184	5	$\frac{A}{2}$	
185	7	$\frac{F}{2}$	
186	2	$\frac{f}{5}$	
187	2	$\frac{A}{2}$	
188	3	$\frac{F}{2}$	
189	2	$\frac{f}{0}$	

163	-42°	2210	5	49.8	-42	29.4	9.7	✓
164	-42°	2218	5	50.6	-42	40.4	9.7	✓
165	-42°	2227	5	51.2	-42	48.6	9.6	✓
166	-42°	2233	5	51.8	-42	42.2	9.6	✓
167	-42°	2237	5	52.1	-42	25.6	9.7	✓
168	-42°	2216	5	50.1	-42	2.2	9.4	✓
169	-41°	2122	5	49.7	-41	48.6	9.6	✓
170	-41°	2127	5	50.2	-41	22.0	8.1	✓
171	-41°	2132	5	51.1	-41	40.5	8.5	✓
172	-41°	2134	5	51.4	-41	26.0	9.3	✓
173	-41°	2140	5	52.2	-41	15.3	9.0	✓
174	-41°	2138	5	51.9	-41	44.0	9.4	✓
175	-41°	2135	5	51.4	-41	54.3	9.6	✓
176	-41°	2139	5	51.9	-41	27.5	9.9	✓
177	-41°	2136	5	51.5	-41	6.2	9.4	✓
178	-40°	2178	5	53.5	-40	55.4	9.1	✓
179	-41°	2153	5	52.6	-41	7.6	8.0	✓
180	-41°	2146	5	53.1	-41	15.6	9.6	✓
181	-41°	2149	5	53.3	-41	21.0	9.4	✓
182	-41°	2147	5	53.2	-41	46.6	7.7	✓
183	-42°	2256	5	54.3	-42	16.8	9.4	✓
184	-42°	2267	5	56.4	-42	22.2	9.2	✓
185	-42°	2268	5	55.5	-42	4.0	8.6	✓
186	-41°	2164	5	55.3	-41	46.0	9.2	✓
187	-41°	2161	5	54.9	-41	13.9	9.5	✓
188	-40°	2197	5	55.7	-40	57.6	8.9	✓
189	-40°	2200	5	56.0	-40	28.8	9.5	✓

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Thursday Dec. 5, 1912.

B 206 49 shot disp.

No	Int	Class	Remark
190	1	K2	
191	2	G0	
192	2	G5	
193	5	A0	
194	4	F	Nearly all superposed on 192.
195	3	K2	
196	5	G5	
197	9	F5	
198	1	K0	
199	4	F5	
200	2	F8	
201	4	K0	
202	4	A5	
Time 11.58 203	7	F0	
Dec. 1913 Time 11.42 204	4	G5	
205	2	K0	
206	1	K0	
207	1	F5	
208	2	Neb	
209	2	G0	
210	3	K0	
211	1	K0	
212	1	G5	Partly superposed on 211
213	5	G0	
214	2	A3	Partly superposed on 213
215	2	K2	
216	2	A5	Line narrow.

190	-40°	2203	5	56.6	-40	22.6	8.8 ✓
191	-41°	2171	5	56.5	-41	12.1	9.6 ✓
192	-41°	2174	5	57.0	-41	27.4	9.7 ✓
193	-41°	2183	5	57.8	-41	10.1	8.5 ✓
194	(P.D. -41°	873	5	57.8	-41	9.6	8.2 ✓
195	-41°	2191	5	58.7	-41	9.6	9.4 ✓
196	-41°	2196	5	59.4	-41	41.4	8.0 ✓
197	-41°	2205	6	0.3	-41	8.6	7.7 ✓
198	-40°	2233	6	0.3	-40	57.3	9.3 ✓
199	-40°	2245	6	1.5	-40	37.7	9.0 ✓
200	-41°	2202	6	0.0	-41	42.4	9.7 ✓
201	-42°	2307	6 5	59.5	-42	21.4	8.9 ✓
202	-42°	2322	6	0.9	-42	21.2	9.4 ✓
203	-42°	2328	6	1.4	-42	27.1	8.4 ✓
204	-42°	2387	6	2.1	-42	46.5	8.8 ✓
205	-42°	2327	6	1.4	-42	65.0	8.6 ✓
206	-42°	2325	6	1.2	-42	51.4	9.5 ✓
207	-42°	2314	6	0.4	-42	49.7	9.9 ✓
208	-43°	2215	5	59.2	-43	1.5	9.8 ✓
209	-42°	2304	5	58.9	-42	24.9	9.9 ✓
210	-41°	2187	5	58.2	-41	59.3	8.3 ✓
211	-42°	2299	5	58.3	-42	8.5	9.5 ✓
212	-42°	2297	5	58.2	-42	9.3	9.9 ✓
213	-41°	2184	5	57.9	-41	59.8	9.0 ✓
214	-42°	2291	5	57.9	-42	1.5	10 ✓
215	-41°	2179	5	57.4	-41	42.0	9.4 ✓
216	-41°	2177	6 5	57.2	-41	42.5	9.6 ✓

S.P.D. -4° 57.8 -41 9.8 8.7

S.P.D. Pos.

Notum Pm

Cards made out

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Friday, Dec. 4 1912.

1320649 dust disp.

No.	Int.	Class	Remark
217	1	f_5	
218	5	f_5	
219	1	f_0	
220	1	a	
221	2	a_2	
222	2	a_0	
223	8	f_5	
224	10	a_3	
225	2	f_8	
226	5	f_5	
227	2	a_0	
228	2	a_0	
229	4	g_5	
230	1	ma	
231	3	f_5	
232	8	f_8	
233	1	a_0	
234	10	f_5	
235	5	f_2	
236	4	f_5	
237	6	g_0	
238	8	f_0	
239	5	g_5	
240	2	g_5	
241	1	f_0	
242	1	g_5	
243	1	f_0	

217	-42°	2276	5	56.6	-42	5.0	9.8	✓
218	-42°	2275	5	56.6	-42	28.8	9.4	✓
219	-42°	2286	5	57.3	-42	58.0	10	✓
220	-43°	2194	5	57.2	-43	4.1	9.9	✓
221	-43°	2197	5	57.4	-43	24.5	9.8	✓
222	-43°	2193	5	57.2	-43	23.5	9.8	✓
223	-43°	2196	5	57.4	-43	54.2	7.5	✓
224	-44°	2380	5	56.6	-44	0.8	7.7	✓
225	-43°	2187	5	56.3	-43	52.6	9.8	✓
226	-43°	2184	5	56.0	-43	39.2	9.1	✓
227	-43°	2188	5	56.3	-43	16.5	9.9	✓
228	-43°	2177	5	55.6	-43	5.2	9.8	✓
229	-43°	2171	5	55.2	-43	7.3	9.2	✓
230	-42°	2265	5	55.2	-42	35.0	9.7	✓
231	-43°	2159	5	54.1	-43	36.8	8.6	✓
232	-43°	2154	5	53.6	-43	35.4	9.6	✓
233	-43°	2157	5	53.8	-43	19.9	9.9	✓
234	-44°	2343	5	53.2	-44	1.6	7.2	✓
235	-44°	2329	5	52.1	-44	19.6	8.5	✓
236	-44°	2327	5	51.6	-44	35.0	8.7	✓
237	-43°	2114	5	49.7	-43	35.0	7.7	✓
238	-42°	2205	5	49.6	-42	56.1	7.0	✓
239	-42°	2195	5	48.9	-42	47.9	8.2	✓
240	-43°	2104	5	48.8	-43	7.9	9.5	✓
241	-43°	2113	5	49.5	-43	10.5	9.8	✓
242	-43°	2111	5	49.3	-43	17.7	9.9	✓
243	-43°	2098	5	48.2	-43	35.0	9.8	✓

Cards made out

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Friday, Dec. 6 1912.
T320649 short disp.

No.	Int.	Class	Remark
244	5	F0	
245	2	G5	
246	4	A0	
247	1	F5	
248	4	G5	
249	10	K8	
250	3	G0	
251	1	G5	
252	2	A2	
253	2	F8	
254	2	K0	
255	2	K0	
256	1	G0	
257	1	A	
258	1	K0	
259	2	G5	
260	3	G0	
261	3	G5	
262	7	F2	
263	2	F5	
264	3	K0	
265	3	F8	
266	6	A0	
267	2	K2	
268	6	K0	
269	4	G0	
270	3	K0	

244	-44°	2295 5	48.1 - 44	2.8	8.6 ✓
245	-44°	2286 5	47.3 - 44	14.4	9.4 ✓
246	-43°	2090 5	47.5 - 43	34.3	9.3 ✓
247	-43°	2084 5	47.0 - 43	39.8	9.7 ✓
248	-43°	2082 5	46.7 - 43	44.5	8.8 ✓
249	-43°	2075 5	46.1 - 43	24.2	7.4 ✓
250	-43°	2072 5	46.0 - 43	32.9	9.1 ✓
251	-43°	2070 5	45.8 - 43	19.7	9.7 ✓
252	-43°	2066 5	45.3 - 43	19.3	9.7 ✓
253	-43°	2080 5	46.6 - 43	2.1	9.7 ✓
254	-42°	2187 5	47.7 - 42	55.4	9.4 ✓
255	-42°	2189 5	47.8 - 42	31.8	9.5 ✓
256	-43°	2094 5	48.1 - 43	13.8	9.9 ✓
257	-42°	2192 5	48.1 - 42	30.8	9.9 ✓
258	-43°	2051 5	44.3 - 43	10.0	9.6 ✓
259	-43°	2040 5	43.6 - 43	11.0	9.1 ✓
260	-43°	2038 5	43.4 - 43	10.0	9.1 ✓
261	-43°	2034 5	43.1 - 43	16.0	8.9 ✓
262	-43°	2023 5	42.2 - 43	19.0	8.7 ✓
263	-43°	2025 5	42.3 - 43	34.6	9.5 ✓
264	-43°	2037 5	43.3 - 43	42.3	9.3 ✓
265	-43°	2042 5	43.6 - 43	50.5	9.6 ✓
266	-44°	2245 5	48.2 - 44	10.7	9.2 ✓
267	-43°	2049 5	44.2 - 43	56.0	9.6 ✓
268	-44°	2292 5	47.8 - 44	33.6	8.5 ✓
269	-44°	2318 5	50.6 - 44	41.6	9.5 ✓
270	-44°	2234 5	41.9 - 44	5.6	9.2 ✓

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Friday, Dec. 6, 1912.

B30649 shot dirs.

No.	Int.	Class	Remark
271	3	fr	
272	5	fg	
273	8	Az	
Time: 12.30 274	6	fo	
275			
276			

ends. 133, 168

271 - 43°	226.5'	58.5 - 43	49.5	9.5 ✓
272 - 44°	239.5'	58.6 - 44	0.9	8.9 J
273 - 44°	238.4 5'	57.3 - 44	18.6	8.6 J
274 - 44°	237.9 5'	56.4 - 44	16.7	8.6 J

Identified by AMC Jan. 21, 1913
Checked by J.C.M. Jan. 22, 1913.
cards made out by M.C.W.
Cards checked by E.R.B.

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Friday, Dec. 6 1912

Time: 12.02

I 38152 long

No	Int.	Class	Remark
1	4	Ly^5	E.
2	3	A_2	
3	2	K_2	
4	3	F_0	
5	2	K_2	
6	6	F_2	
7	2	F_8	
8	2	A_3	
9	2	K_5	
10	3	A_0	
11	1	A	
12	2	[illegible]	
13	2	A_0	
14	2	K_0	
15	2	A_0	
16	3	A_0	
17	2	A	
18	3	A_2	Partly superposed on a bright star.
19	1	Ly^5	
20	2	Ly^5	
21	2	Ly^5	
22	4	B_2	
23	1	F	
24	2	F_2	
25	2	K_2	
26	3	F_0	
27	4	G_5	

1	+45°	887	4	0.9	+45	1.7	7.4 ✓
2	+42°	940	4	10.7	+42	39.4	8.3 ✓
3	+43°	961	4	15.4	+43	28.5	8.5 ✓
4	+43°	967	4	16.5	+43	8.5	8.2 ✓
5	+42°	954	4	14.5	+42	22.5	8.7 ✓
6	+42°	973	4	18.9	+42	23.2	7.0 ✓
7	+42°	979	4	20.6	+42	27.0	8.5 ✓
8	+43°	987	4	21.4	+43	30.6	8.6 ✓
9	+48°	973	4	22.7	+48	36.6	7.0 ✓
10	+44°	969	4	22.1	+44	12.8	9.0 ✓
11	+44°	968	4	22.1	+44	4.5	9.0 ✓
12	+44°	982	4	23.9	+44	41.6	7.8 ✓
13	+43°	1008	4	24.2	+43	39.5	8.6 ✓
14	+42°	1015	4	28.2	+42	40.4	8.1 ✓
15	+41°	924	4	28.4	+41	19.6	9.0 ✓
16	+40°	1009	4	29.0	+40	57.4	8.7 ✓
17	+40°	1013	4	29.4	+40	18.5	9.0 ✓
18	+40°	999	4	26.6	+40	46.6	7.8 ✓
19	+41°	907	4	25.5	+41	22.4	8.3 ✓
20	+41°	884	4	20.9	+41	39.3	8.2 ✓
21	+41°	875	4	18.5	+41	29.0	8.0 ✓
22	+40°	961	4	16.7	+40	48.5	7.3 ✓
23	+39°	989	4	17.1	+39	57.4	8.0 ✓
24	+40°	958	4	15.9	+40	16.4	8.1 ✓
25	+39°	973	4	10.4	+39	29.2	7.8 ✓
26	+39°	972	4	9.9	+39	34.1	8.0 ✓
27	+40°	928	4	9.2	+40	34.7	8.2 ✓

cards made out

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Friday, Dec. 6, 1912.

I 38152

	No.	Int.	Class	Remark
	28	2	F5	
	29	1	F2	
	30	3	F8	
	31	2	K0	
	32	2	K5	
	33	2	F2	
	34	2	F2	
	35	3	gG	E.
	36	2	G	E.
12.11	37	3	G2	E.
12.14	38	3	G	E.
	39	3	K0	E.
	40	3	g	E.
	41	3	g	E.
	42	2	G0	E.
	43	3	F2	
	44	2	F5	
	45	2	G	
	46	3	gK	
	47	3	K4	
	48	2	F0	
	49	3	G3	
	50	2	K2	
	51	2	K3	
	52	2	G0	
	53	2	F8	
	54	3	gO	

28	+40°	929	4	9.3	+40	38.9	8.0
29	+41°	846	4	9.0	+41	11.3	8.0
30	+40°	920	4	7.2	+40	14.3	8.3
31	+39°	962	4	6.8	+39	39.7	7.5
32	+39°	986	4	4.0	+39	18.9	7.0
33	+40°	909	4	3.4	+40	11.6	8.6
34	+40°	904	4	2.9	+40	16.7	8.0
35	+39°	945	4	1.9	+39	53.0	8.2
36	+40°	900	4	1.4	+40	11.6	8.6
37	+40°	899	4	1.1	+40	22.5	8.2
38	+39°	922	3	55.9	+39	23.0	8.4
39	+39°	921	3 4	55.7	+39	53.8	7.8
40	+40°	881	3	54.7	+40	41.8	8.0
41	+42°	878	3 4	54.1	+42	7.2	7.8
42	+42°	879	3	54.2	+42	38.0	8.0
43	+39°	1054	4	34.6	+39	36.0	8.3
44	+39°	1037	4	28.5	+39	9.2	8.2
45	+39°	1011	4	20.8	+39	30.2	8.5
46	+39°	1012	4	20.9	+39	48.8	7.8
47	+39°	1008	4	20.5	+39	32.8	8.0
48	+40°	979	4	22.3	+40	29.6	8.5
49	+44°	947	4	16.0	+44	24.9	8.0
50	+44°	942	4	14.9	+44	1.2	7.8
51	+45°	922	4	11.7	+45	11.4	9.0
52	+44°	924	4	11.5	+44	54.2	9.0
53	+41°	827	4	1.5	+41	29.0	8.0
54	+42°	904	4	0.0	+42	11.9	8.3

Cardo made out

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Friday, Dec. 6, 1912.

I 38152

No.	Int.	Class	Remark
55	3+	Fo	
56	2	Ao	

Time: 12h. 20

Thursday March 12th 1914

57	3	Ao	
58	3	B5	
59	3	B5	
60	5	Ao	
61	10	Comp. Br = B0 Ft = A5 K = 0.5 of H.	
62	2	Ao	
63	4	Bq	
64	4	Ao	
65	3	Ao	
66	5	Bq	
67	4	Ao	
68	3	B8	
69	1	A	
70	1	G5	
71	3	G0	

55	+43°	899	4	5~~8~~.6 ~~56.4~~	+43.	17.2	7.9	J
56	+41°	838	4	6.0	+41	14.5	8.3	J

Identified by AMC. Dec. 13, 1912

Checked by J.B.W. Jan. 10, 1913

cards made out by M. C. W.

Cards checked by E.R.B.

57	+42°	960	4	16.0	+42	18.3	8.0	✓
58	+42°	964	4	16.7	+42	34.9	8.0	✓
59	+42°	969	4	17.6	+42	51.4	7.2	✓
60	+43°	977	4	17.7	+43	0.1	7.2	✓
61	+40°	912	4	5.0	+40	6.3	4.8	✓
62	+43°	946	4	10.1	+43	14.8	8.2	✓
63								

Identified on cards by J.B.M March 12, 1914

" in Book by AMC, March 17, 1914

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

~	63	+45°	955	4	23.6	+45	20	7.0	30	on I 37406
✓	64	+44°	971	4	22.2	+44	35	7.0	29	" "
✓	65	+42°	952	4	14.2	+42	19	8.5	4	on I 37010
✓	66	+41°	858	4	11.7	+41	4	8.0	10	" "
✓	67	+41°	853	4	10.4	+41	5	8.0	11	" "
✓	68	+44	997	4	27.4	+44	24	8.0	137	on I 38085
✓	69	+42°	1032	4	33.7	+42	53	8.9	19	" "
✓	70	+42	1034	4	34.5	+42	56	8.5	20	" "
✓	71	+45	898						110	on M 6673

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Friday, Dec. 6, 1913

B 24143 short disp.

Time: 12.26

No.	Int.	Class	Remark
1	1	K0	
2	3	K5	
3	2	F8	
4	3	F5	
5	2	F5	
6	2	K0	
7	7	F0	
8	4	F2	
9	3	K0	
10	1	K	
11	7	K0	
12	1	K2	
13	6	F2	
14	4	F2	
15	3 : 2	G5	
16	2	K0	
17	1	G	
18	2	K0	
19	5	G0	
20	4	G0	
21	3	K5	
22	4	G2	
23	4	F0	
24	7	G2	
25	3	K2	
26	1	F2	
27	5	G5	

1	−51°	1510	5	25.9	−51	40.5	9.0 ∧ ✓
2	−52°	731	5	26.0	−52	2.7	8.6 ∧ ∨
3	−51°	1523	5	27.8	−51	24.1	9.2 ∧ ∨
4	−50°	1823	5	29.0	−50	50.3	9.2 ∧ ✓
5	−50°	1836	5	30.4	−50	56.6	9.2 ∧ ∨
6	−51°	1540	5	30.6	−51	9.1	9.2 ∧ ✓
7	−51	1539	5	30.4	−51	43.7	8.0 ∧ ∨
8	−51°	1545	5	31.5	−51	42.9	8.9 ∧ ∨
9	−52°	735	5	27.5	−52	32.1	8.8 ∧ ∨
10	−52°	736	5	28.4	−52	48.1	9.0 ∧ ✓
11	−52°	744	5	31.6	−52	42.7	7.7 ∧ ∨
12	−51°	1552	5	32.7	−51	48.7	9.1 ∧ ✓
13	−51°	1560	5	33.7	−51	50.9	8.5 ∧ ∨
14	−52°	749	5	34.2	−52	1.4	8.4 ∧ ∨
15	−51°	1570	5	36.0	−51	42.4	9.1 ∧ ∨
16	−52°	755	5	35.8	−52	6.4	8.8 ∧ ∨
17	−52°	746	5	32.8	−52	55.5	8.9 ∧ ∨
18	−53°	897	5	33.4	−53	52	8.9 ∧ ✓
19	−52°	748	5	34.0	−52	51.8	8.2 ∧ ✓
20	−52°	756	5	36.0	−52	33.5	8.6 ∧ ∨
21	−53°	901	5	34.7	−53	46.3	8.7 ∧ ∨
22	−53°	903	5	35.0	−53	36.5	7.4 ∧ ✓
23	−53°	915	5	38.0	−53	8.4	8.2 ∧ ∨
24	−53°	916	5	38.0	−53	16.8	7.4 ∧ ✓
25	−52°	767	5	39.1	−52	3.1	8.6 ∧ ∨
26	−52°	765	5	39.0	−52	41.2	8.8 ∧ ✓
27	−52°	772	5	41.8	−52	39.2	7.9 ∧ ∨

cards made out

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Friday, Dec 6, 1912

13 24 43 shot disp.

No.	Int.	Class	Remark
28	4	A3	
29	5	A3	
30	10	Ly0	
31	5	A0	
32	4	Ho	
33	3	Ly5	Another star superposed at north.
34	5	Hy	
35	9	H0	
36	3	F8	
37	4	A2	
38	2	Ly5	
39	6	F0	
40	5	K2	Partly superposed on 39.
41	2	A3	" " " 42.
42	6	F0	
43	6	A5	
44	8	Comp.	Bm. = F5. Fk. = A. K = 0.1 K.
45	8	Ly5	
46	4	Mea	
47	1	K	
48	10+	A5	
49	2	F2	
50	6	A3	
51	2	K2	Partly superposed on 50.
52	3	F0	
53	5	A0	
54	4	H0	Partly superposed on 55.

28	−52°	776	5	42.9	−52	43.7	8.5 1 V
29	−52°	778	5	43.2	−52	47.2	8.3 1 V
30	−53°	933	5	43.8	−53	15.7	7.0 1 V
31	−53°	940	5	45.2	−53	40.4	8.1 1 V
32	−53°	941	5	45.9	−53	42.7	8.3 1 V
33	−53°	943	5	46.3	−53	30.0	8.4 1 V — Maggi. 8.8 −53° 944 Superposed
34	−54°	893	5	44.8	−54	2.4	8.0 1 V
35	−54°	892	5	44.7	−54	24.2	7.4 1 V
36	−54°	894	5	44.8	−54	53.1	8.4 1 V
37	−55°	874	5	45.1	−55	4.8	8.1 1 V
38	−54°	903	5	47.2	−54	56.9	8.7 1 V
39	−55°	886	5	47.8	−55	7.0	7.5 1 V
40	−55°	888	5	47.8	−55	5.2	7.6 1 V
41	−53°	958	5	48.8	−53	36.9	8.8 1 V
42	−53°	954	5	48.9	−53	41.0	8.1 1 V
43	−53°	950	5	48.0	−53	26.9	7.8 1 V
44	−52°	791	5	47.8	−52	48.1	7.4 1 V
45	−52°	794	5	48.0	−52	8.4	7.0 1 V
46	−52°	799	5	49.6	−52	4.9	8.2 1 V
47	−52°	800	5	50.3	−52	32.2	9.0 1 V
48	−52°	805	5	52.1	−52	39.7	6.6 1 V
49	−53°	961	5	51.6	−53	43.6	8.7 1 V
50	−53°	964	5	52.1	−53	35.8	7.8 1 V
51	−53°	965	5	52.3	−53	32.8	8.7 1 V
52	−53°	971	5	52.9	−53	33.2	8.6 1 V
53	−53°	975	5	53.9	−53	35.0	8.2 1 V
54	−53°	977	5	54.5	−53	25.8	7.8 1 V

cards made out

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Friday Dec. 6, 1913.

B24143 last disp.

No.	Int.	Class	Remark
55	6	F2	
56	5	F2:	
57	6	A2	
58	4	F0	
59	2	F0	
60	2	G5	
61	2	F5	
62	6	F2	
63	2	K2	
64	2	G0	Line wretten of Two.
65	2	G0	
66	1	K	Partly superposed on 65.
67	1	G0	
68	5	K0	
69	10+	A2	
70	3	G5	
71	3	K2	
72	2	F5	
73	8	G5	
74	10	K5	
75	2	K0	
76	2	A0	
77	9	B8	
78	10	A0	
79	4	F8	
9 min. 12.40 80	7	A2	
#			

Cmbr 132, 88

55	−53°	978	5	54.6 − 53	26.2	7.4	1 v
56	−53°	986	5	56.3 − 53	48.5	8.2	1 v
57	−52°	818	5	56.0 − 52	47.9	7.9	1 v
58	−52°	819	5	56.0 − 52	39.7	8.4	1 v
59	−52°	813	5	55.0 − 52	38.7	8.8	1 v
60	−52°	814	5	55.2 − 52	12.9	8.8	1 v
61	−51°	1681	5	53.7 − 51	40.0	8.6	1 v
62	−51°	1671	5	52.0 − 51	0.6	8.0	1 v
63	−51°	1663	5	50.4 − 51	4.7	9.1	1 v
64	−50°	1966	5	49.1 − 50	53.8	9.3	1 v
65	−50°	1959	5	48.0 − 50	40.5	8.7	1 v
66	−50°	1957	5	47.9 − 50	44.5	8.6	1 v
67	−50°	1953	5	47.2 − 50	58.6	9.4	1 v
68	−51°	1635	5	47.0 − 51	4.5	7.8	1 v
69	−51°	1620	5	44.3 − 51	6.7	4.8	1 v
70	−50°	1941	5	44.7 − 50	5.2	9.2	1 v
71	−50°	1960	5	48.1 − 50	17.4	8.5	1 v
72	−50°	1968	5	49.2 − 50	24.0	9.4	1 v
73	−50°	1977	5	51.1 − 50	24.2	7.0	1 v
74	−49°	1945	5	51.6 − 49	38.9	6.4	1 v
75	−49°	1949	5	52.1 − 49	39.5	8.4	1 v
76	−49°	1964	5	53.5 − 49	28.0	9.4	1 v
77	−51°	1699	5	56.1 − 51	13.8	7.2	1 v
78	−51°	1713	5	57.9 − 51	13.2	6.5	1 v
79	−51°	1710	5	57.7 − 51	28.1	8.3	1 v
80	−51°	1736	56	1.0 − 51	5.6	8.1	1 v
#							

Identified by ANC Jan. 27, 1913

Checked Feb. 3, 1913 WPDW

Cards made and laid in C.W.

Cards checked by PPB.

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Tuesday. Dec. 10, 1913.

Time: 10.45

T320 430 about drifts (cont fr. Obs. 38, 148)

	No.	Grt.	Class	Remarks
✓	216	6	J0	
✓	217	2	J5	
✓	218	4	J5	
✓	219	4	A5	
✓	220	4	J5	
✓	221	3	J2	
✓	222	4	J0	
✓	223	5	J0	
✓	224	4	F5	E.
✓	225	3	K0	E.
✓	226	4	A2	E.
✓	227	3	J0	
✓	228	3	K5	
✓	229	3	J2	
✓	230	4	F2	E.
✓	231	3	F5	E.
✓	232	3	J0	E.
✓	233	3	K0	E.
✓	234	2	A0	E.
✓	235	2	F5	E.
Time: 10.[illegible]	236	1	J5	E.
	237			
	238			

cont. in 130, 192

216	−69°	229	3	57.9	−69	53	8.4 ✓
217	−69°	223	3	54.2	−69	46	9.3 ✓
218	−70°	266	3	53.1	−70	1	8.7 ✓
219	−70°	267	3	53.5	−70	32	8.8 ✓
220	−70°	265	3	50.4	−70	19	9.1 ✓
221	−69°	216	3	52.1	−69	40	9.0 ✓
222	−69°	215	3	50.2	−69	17	8.8 ✓
223	−69°	210	3	46.5	−69	50	8.8 ✓
224	−69°	204	3	39.5	−69	23	9.1 ✓
225	−68°	233	3	41.0	−68	34	8.8 ✓
226	−68°	231	3	39.8	−68	16	8.7 ✓
227	−68°	236	3	44.0	−68	8	9.2 ✓
228	−67°	255	3	45.9	−67	46	8.8 ✓
229	−70°	245	3	39.6	−70	7	9.1 ✓
230	−71°	273	4	34.1	−71	9	8.9 ✓
231	−70°	307	4	30.9	−70	39	9.0 ✓
232	−70°	303	4	27.5	−70	39	9.2 ✓
233	−71°	265	4	27.7	−71	2	9.1 ✓
234	−71°	264	4	24.8	−71	34	9.2 ✓
235	−70°	297	4	23.0	−70	57	9.2 ✓
236	−71°	261	4	22.0	−71	12	9.4 ✓

Ident. on cards by Anne. April 8, 1916

Ident. in book by M.A.H. Apr. 17, 1916

Ident. compared by E.R.C. April, 17, 1916

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Tuesday, Dec. 10, 1913.

Time: 11.00

13 20547 short exps.

No.	Int.	Class	Remark
1	2	Ao	
2	2	Ma	
3	3	M5	
4	1	G5	
5	3	F8	
6	2	F5	
7	4	G0	
8	3	F0	
9	7	G0	
10	6	G0	
11	8	A3	
12	6	K0	
13	2	G5	
14	2	G0	
15	3	F5	
16	2	F8	
17	3	F0	
18	3	K0	
19	4	F0	
20	2	M5	
21	1	M0	
22	1	M0	
23	1	K0	
24	1	F5	
25	4	G0	
26	10+	B9	
27	1	F8	

1	-68°	232	3	40.7	-68	56.2	8.8
2	-69°	202	3	35.5	-69	36.1	9.0
3	-70°	245	3	39.6	-70	7.1	9.1
4	-70°	246	3	40.3	-70	21.1	9.3
5	-70°	250	3	43.4	-70	4.8	8.9
6	-69°	209	3	45.4	-69	54.9	8.9
7	-70°	251	3	43.5	-70	16.8	8.4
8	-70°	252	3	44.4	-70	22.7	8.5
9	-70°	254	3	44.8	-70	24.6	7.6
10	-70°	255	3	45.0	-70	24.4	7.8
11	-70°	257	3	47.7	-70	16.0	7.5
12	-70°	259	3	48.8	-70	44.1	8.1
13	-71°	2234	3	4834	-71	10.8.9	9.4
14	-71°	222	3	48.0	-71	18.0	9.0
15	-71°	221	3	45.4	-71	29.0	8.5
16	-71°	217	3	44.3	-71	23.5	8.8
17	-71°	214	3	40.0	-71	29.9	8.3
18	-72°	253	3	38.6	-72	9.8	8.6
19	-72°	255	3	41.0	-72	26.0	8.6
20	-70°	237	3	31.0	-70	53.7	9.1
21	-71°	211	3	30.7	-71	8.8	9.4
22	-70°	244	3	37.4	-70	56.7	9.2
23	-71°	212	3	39.0	-71	16.0	9.1
24	-71°	209	3	28.5	-71	52.8	9.1
25	-72°	261	3	45.5	-72	5.3	8.4
26	-72°	262	3	46.0	-72	2.7	6.2
27	-72°	~~270~~ 269	3	~~53.9~~ 53.6	-72	~~23.6~~ 23.5	~~8.5~~ 8.4

can do much more

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Tuesday, Dec. 10, 1912.

B 17047 about disp.

No.	Int.	Class	Remark
28	4	A0	
29	2	F5	
30	3	A2	
31	4	A5	
32	3	F5	
33	3	A2	
34	1	A	
35	10+	A0	
36	1	A0	
37	4	F8	
38	3	F5	
39	2	F2	
40	2	A5	
41	1	G5	
42	2	F2	
43	2	A3	
44	3	F5	
45	2	F2	
46	3	F2	
47	2	F5	
48	2	G	
49	2	F0	
50	1	F5	
51	2	F0	
52	2	G5	
53	2	F0	
54	1	G5	

28 - 72°	272	3	56.6 - 72	42.0	8.6	✓
29 - 73°	243	3	55.0 - 73	15.9	9.4	✓
30 - 73°	245	3	55.6 - 73	57.3	8.8	✓
31 - 73°	246	3	57.8 - 73	54.8	8.6	✓
32 - 74°	278	3	55.4 - 74	18.5	8.8	✓
33 - 74°	280	3	57.6 - 74	18.4	8.5	✓
34 - 75°	256	4	1.2 - 75	5.7	9.1	✓
35 - 71°	234	4	1.5 - 71	30.9	6.7	✓
36 - 72°	278	4	5.9 - 72	12.9	9.1	✓
37 - 71°	249	4	9.6 - 71	58.0	8.4	✓
38 - 71°	257	4	16.1 - 71	26.3	8.8	✓
39 - 71°	256	4	15.3 - 71	4.0	9.0	✓
40 - 71°	251	4	12.2 - 71	3.4	8.6	✓
41 - 72°	296	4	19.0 - 72	16.5	9.0	✓
42 - 72°	293	4	16.5 - 72	45.3	9.2	✓
43 - 73°	233	3	37.2 - 73	36.1	8.9	✓
44 - 74°	262	3	35.3 - 74	26.7	8.7	✓
45 - 74°	257	3	33.1 - 74	44.5	8.9	✓
46 - 75°	234	3	25.7 - 75	25.1	9.1	✓
47 - 75°	233	3	25.3 - 75	43.2	9.2	✓
48 - 75°	232	3	24.2 - 75	37.3	9.0	✓
49 - 75°	220	3	7.5 - 75	34.6	8.9	✓
50 - 75°	223	3	10.4 - 75	11.0	9.3	✓
51 - 74°	241	3	8.6 - 74	59.0	9.0	✓
52 - 75°	218	3	7.0 - 75	18.5	9.0	✓
53 - 73°	214	3	2.3 - 73	55.7	9.3	✓
54 - 73°	224	3	3.1 - 73	29.2	9.1	✓

cards made out

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Tuesday Dec. 10, 1912.
P3 17047 slant disp.

No.	Int.	Class	Remark
55	1	Ly_0	
56	1	$H\delta_0$	
57	2	Ly_5	
~~Prime~~ 58	2	$H\delta_0$	
59	2	A_0	
$H\delta_0$	2	A_2	
61	2	$H\delta_0$	
62	2	A E.	
Time: 11.12 63	1	$H\delta_0$	

55	−78°	209 3	19.2	−73	0.2	9.2 1
56	−73°	206 3	13.7	−73	0.0	9.4 1
57	−71°	193 3	8.7	−71	10.8	9.3 1
58	−71°	189 3	6.5	−71	21.6	9.3 1
59	−68°	231 3	39.8	−68	16.0	8.7 1
60	−68°	223 3	34.6	−68	47.8	8.8 1
61	−69°	199 3	33.8	−69	6.8	8.8 1
62	−67°	246 3	39.0	−67	37.8	8.8 1
63	−68°	216 3	29.7	−68	37.1	8.8 1

Identified by AMC. Dec. 13, 1912
Checked by D.S.W. Dec. 16, 1912
Cards made out by M. C.W.
Cards checked by G.R.B.

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Tuesday Dec. 10, 1912.

Time. 11. 15

B 9061

No.	Grt.	Class	Remark
1	5	A2	
2	2	F2	
3	3	A0	
4	7	F3g	
5	9	A0	
6	6	A0	
7	9	A0	
8	6	F2	
9	1	F0	
10	1	A2	
11	2	A5	
12	7	K8	Prismatic companion of bright star? yes
13	7	A5	
14	3	F2	
15	4	F0	
16	2	A2	
17	8	A0	
18	6	A0	
19	3	A2	
20	3	A5	
21	8	F2	
22	5	A5	
23	3	A5	
24	7	A0	
25	6	A2	
26	3	F0	
27	8	A0	

1	-32°	2363	5	28.6	-32	55.4	7.8	✓
2	-32°	2381	5	25.4	-32	38.9	8.0	✓
3	-32°	2389	5	26.2	-32	11.9	8.0	✓
4	-31°	2563	5	30.2	-31	46.9	7.3	✓
5	-29°	2348	5	29.1	-29	56.1	6.6	✓
6	-31°	2641	5	35.4	-31	18.8	7.5	✓
7	-30°	2571	5	37.4	-30	35.7	6.4	✓
8	-31°	2704	5	40.5	-31	43.8	6.8	✓
9	-31°	2711	5	41.0	-31	34.4	7.7	✓
10	-30°	2596	5	40.9	-30	57.8	8.5	✓
11	-33°	2495	5	38.0	-33	3.5	8.4	✓
12	-34°	2375	5	36.1	-34	8.2	2.6	✓ & Prismatic Companion
13	-34°	2315	5	28.8	-34	23.6	6.9	✓
14	-35°	2381	5	30.6	-35	34.0	8.5	✓
15	-35°	2375	5	30.0	-35	56.0	7.1	✓
16	-35°	2456	5	36.9	-35	18.9	8.3	✓
17	-36°	2445	5	42.3	-36	16.7	7.0	✓
18	-35°	2556	5	47.6	-35	56.5	8.0	✓
19	-35°	2561	5	48.0	-35	23.9	8.3	✓
20	-35°	2565	5	48.4	-35	38.7	8.5	✓
21	-35°	2580	5	49.7	-35	56.0	7.5	✓
22	-34°	2560	5	53.4	-34	28.7	7.3	✓
23	-33°	2670	5	54.6	-33	49.6	8.0	✓
24	-33°	2637	5	52.0	-33	27.0	7.7	✓
25	-32°	2620	5	48.6	-32	58.0	8.0	✓
26	-35°	2582	5	50.1	-35	6.8	7.9	✓
27	-32°	2587	5	45.6	-32	50.1	6.9	✓

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Tuesday, Dec. 10, 1912.

B 6061

No.	Int.	Class	Remark
28	3	Fo	
29	8	By	
30	6	A_3	
31	4	A_0	
32	3	A_2	
33	5	B8	
34	3	A_2	
Time: 11.24 35	7	A_0	
~~36~~			
36	9	F0.	

28	− 31°	2759	5	44.4 − 31	44.2	7.3 ✓
29	− 31°	2844	5	51.3 − 31	33.2	6.8 ✓
30	− 35°	2647	5	57.2 − 35	2.2	7.3 ✓
31	− 37°	2470	5	49.6 − 37	38.4	8.0 ✓
32	− 36°	2512	5	48.8 − 36	58.5	8.0 ✓
33	− 37°	2414	5	45.1 − 37	13.9	7.7 ✓
34	− 38°	2219	5	43.4 − 38	2.6	8.1 ✓
35	− 38°	2217	5	43.2 − 38	16.5	7.7 ✓

Identified by AMC. Dec. 230, 1912

Checked By J.B.W. Jan. 10, 1913.

cards made out by Mr. C.W.

Cards checked by E.K.B.

~ 36 − 31° 2848 5 51.7 − 31 24 5.6 2m B 6082

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Tuesday, Dec. 11, 1912

Time 11.25

I 38171

No.	Int.	Class	Remarks
1	4	$\gamma 5$	E.
2	3	A	E.
3	4	A_0	E.
4	7	$\gamma 5$	
5	7	$\gamma 3_4$	
6	10+	$A_{1.3}$	
7	8	$\gamma 35$	
8	3	$\gamma 0$	
9	7	A_3	
10	2	A_2	
11	2	A_5	
12	4	$\gamma 5$	
13	1	A_2	
14	2	A_0	
15	3	A_2	
16	6	$\gamma 38$	
17	6	A_0	
18	2	$\gamma 8$	
19	5	$\gamma 2$	
20	4	$\gamma 0$	
21	4	A_0	
22	1	$\gamma 5$	
23	9 —	$\gamma 0$	
24	8	$\gamma 3_9$	
25	2	A_0	
26	8	$\gamma 33$	
27	6	$\gamma 35$	

1	+2°	12136	16.2	+2	44.5	7.3 ✓
2	+4°	12352	6	18.3	+4	30.3	8.5 ✓
3	+4°	12351	6	18.2	+4	36.6	8.5 ✓
4	+4°	12422	6	17.2	+4	56.7	8.2 ✓
5	+4°	12406	6	16.9	+4	15.8	7.8 ✓
6	+4°	12387 / 1221	6	16.1	+4	39.9 / 40.5	4.9 / 8.2 ✓
7	+3°	12X	6	15.7	+3	50.1	7.5 ✓
8	+3°	12188	6	15.3	+3	50.0	7.8 ✓
9	+4°	12296	6	15.1	+4	16.6	7.5 ✓
10	+4°	12206	6	13.6	+4	2.1	9.2 ✓
11	+4°	12155	6	13.0	+4	1.4	9.1 ✓
12	+2°	12006	6	14.2	+2	24.6	7.9 ✓
13	+2°	11996	6	14.1	+2	27.8	9.0 ✓
14	+4°	12116	6	12.6	+4	27.2	9.0 ✓
15	+4°	12096	6	12.4	+4	58.0	9.1 ✓
16	+4°	12076	6	12.1	+4	41.5	8.5 ✓
17	+4°	12016	6	11.3	+4	14.4	7.8 ✓
18	+4°	12006	6	11.2	+4	56.7	8.8 ✓
19	+4°	11986	6	10.8	+4	34.0	8.0 ✓
20	+4°	11966	6	10.6	+4	2.3	7.8 ✓
21	+4°	11946	6	10.2	+4	24.6	8.8 ✓
22	+4°	11936	6	10.1	+4	45.1	8.8 ✓
23	+5°	11686	6	9.6	+5	8.6	6.5 ✓
24	+5°	11566	6	8.5	+5	9.3	7.5 ✓
25	+4°	11856	6	8.3	+4	14.5	9.2 ✓
26	+4°	11816	6	8.1	+4	19.6	7.0 ✓
27	+3°	11806	6	7.9	+3	59.9	7.7 ✓

Cards made over

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Tuesday, Dec. 10, 1918.

I 38171

No.	Int.	Class	Remarks
28	3	Ao	
29	4	Ao	
30	4	B9	
31	4	B9	
32	3	Ao	
33	6	B9	
34	5	K0	
35	2	K0	
36	2	Ao	
37	7	B8	
38	3	Ao	
39	3	K0	
40	4	Ao	
41	6	B9	
42	3	A2	
43	5	Ao	
44	3	K2	
45	9	B9	
46	4	K0	
47	4	G5	Another star superposed?
48	3	Ao	
49	2	Ao	
50	4	Ao	
51	5	K2	
52	5	B9	
52a	1	A	
53	7	Ao	Line 428 - 3 strong.
54	2.	G5	

28	+3°	11826	8.2	+3	28.5	8.4
29	+3°	11856	8.5	+3	8.4	8.3
30	+3°	11786	7.5	+3	55.5	8.7
31	+3°	11776	7.4	+3	50.3	8.6
32	+3°	11746	6.9	+3	32.0	8.8
33	+3°	11706	6.6	+3	58.3	8.0
34	+4°	11746	6.8	+4	34.6	7.8
35	+5°	11466	6.7	+5	12.8	8.8
36	+5°	11446	6.4	+5	0.9	9.0
37	+3°	11646	5.5	+3	32.4	7.8
38	+2°	11586	5.5	+2	52.4	8.6
39	+2°	11636	6.3	+2	57.5	8.2
40	+2°	11856	6.6	+2	36.8	8.2
41	+2°	11716	7.1	+2	19.8	7.5
42	+2°	11726	7.1	+2	40.9	9.0
43	+2°	11526	4.2	+2	30.2	8.3
44	+2°	11496	3.5	+2	21.9	8.0
45	+2°	11476	2.8	+2	55.9	7.7
46	+2°	11446	2.2	+2	53.8	7.5
47	+3°	17456	2.5	+3	20.4	8.2
48	+3°	11526	3.9	+3	52.6	9.0
49	+3°	11516	3.6	+3	53.2	9.2
50	+3°	11506	3.4	+3	36.9	9.0
51	+3°	11466	2.9	+3	30.7	9.1
52	+3°	11476	3.0	+3	53.9	8.4
52a	+4°	11536	3.5	+4	4.2	9.0
53	+4°	11636	4.5	+4	42.1	8.1
54	+5°	11296	4.5	+5	12.3	8.8

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Tuesday, Dec. 10, 1912.

I 38171

No.	Int.	Class	Remark
55	2	A2	
56	2	A0	
57	3	F5	
58	5	B8	
59	1	A	
60	6	A3	
61	3	A0	
62	2	A2	
63	5	A0	
64	8	A0	
65	4	F2	
66	5	A	E.
67	7	B9	
68	2	A0	
69	4	K0	
70	2	K5	E.
71	6	B5	
72	1	F2	
73	1	K0	
74	9	K0	
75	3	A0	
76	3	K0	
77	2	A2	
78	2	A0	
79	2	A2	
80	2	F8	
81	4	F8	

55	+5°	1125	6	3.5	+5	4.6	8.9
56	+4°	1157	6	3.3	+4	32.3	9.0
57	+4°	1147	6	2.4	+4	44.1	8.7
58	+4°	1141	6	1.9	+4	44.5	8.2
59	+3°	1142	6	1.6	+3	42.1	8.9
60	+3°	1138	6	0.7	+3	25.0	8.2
61	+3°	1131	6	0.6	+3	18.2	8.5
62	+3°	1135	6	0.7	+3	41.5	9.0
63	+3°	1128	5	59.8	+3	7.2	8.0
64	+2°	1132	5	59.4	+2	11.5	8.0
65	+1°	1218	5	59.7	+1	30.9	8.1
66	+1°	1235	5	2.3	+1	0.0	8.2
67	+2°	1126	5	57.5	+2	7.0	8.4
68	+2°	1120	5	56.8	+2	5.3	9.1
69	+0°	1269	5	57.7	+0	52.2	7.7
70	+0°	1270	5	57.9	+0	37.1	7.0
71	+2°	1118	5	56.4	+2	57.9	7.8
72	+3°	1127	5	59.4	+3	21.6	8.8
73	+3°	1123	5	58.6	+3	20.7	8.5
74	+4°	1116	5	57.3	+4	9.5	6.0
75	+4°	1110	5	56.0	+4	18.7	8.4
76	+3°	1112	5	55.8	+3	51.8	7.6
77	+3°	1108	5	54.5	+3	7.4	8.7
78	+2°	1118	5	54.4	+2	10.3	8.6
79	+1°	1184	5	53.5	+1	58.7	8.7
80	+1°	1180	5	52.8	+1	46.9	8.6
81	+2°	1102	5	57.9	+2	27.4	8.3

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Tuesday, D 26.10, 1913.

E 3817

No.	Int.	Class	Remark
82	2	A	
83	3	A2	
84	1	K5	
85	1	K0	
86	2	A0	
87	3	G5	
88	2	G5	
89	2	A	
90	4	F2	
91	4	A0	
92	6	K2	
93	6	F8	
94	4	A3	
95	3	F5	
96	2	A3	
97	2	G5	
98	1	K0	
99	3	A2	
100	4	A2	
101	2	K0	
102	6	G5	
103	3	A2	
104	4	A3	
105	3	G5	
106	3	A0	
107	2	G5	
108	3r	A	

June: 11.50
D 20.11.13
June: 9.25

82	+2°	1104	s	52.0	+2	2.5 8 J
83	+4°	1096	s	52.4	+4	12.7 8.8 J
84	+4°	1100	s	53.0	+4	38.1 8.7 K
85	+4°	1098	s	52.8	+4	34.6 9.0 J
86	+4°	1102	s	53.8	+4	53.8 9.0 J
87	+4°	1090	s	51.6	+4	26.8 8.3 K
88	+4°	1089	s	51.3	+4	50.8 8.6 J
89	+4°	1087	s	50.9	+4	28.5 8.7 K
90	+5°	1066	s	53.0	+5	47.7 8.3 K
91	+6°	1087	s	53.4	+6	37.2 8.5 J
92	+7°	1103	s	55.3	+7	37.1 7.7 J
93	+7°	1099	s	54.7	+7	41.1 8.3 J
94	+8°	1156	s	54.8	+8	1.1 8.9 J
95	+7°	1095	s	53.7	+7	35.9 8.5 J
96	+7°	1092	s	53.3	+7	6.0 9.1 J
97	+7°	1091	s	53.2	+7	3.7 9.0 K
98	+7°	1088	s	52.9	+7	18.0 8.8 J
99	+6°	1081	s	51.9	+6	45.4 8.5 J
100	+8°	1144	s	52.8	+8	16.7 8.8 K
101	+8°	1145	s	52.9	+8	33.4 8.7 K
102	+9°	1055	s	53.4	+9	3.7 8.0 J
103	+8°	1138	s	52.3	+8	56.5 8.8 K
104	+9°	1040	s	51.9	+9	30.8 8.5 K
105	+9°	1043	s	52.8	+9	40.4 8.7 K
106	+9°	1020	s	49.6	+9	33.5 8.8 J
107	+9°	1071	s	53.2	+9	0.9 8.8 J
108	+9°	1072	s	53.3	+9	8.8 8.6 K

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Wednesday, Dec. 11, 1912.

I 38171

No.	Int	Class	Remark
109	4	F8	
110	5	F0	
111	2	A0	
112	1	A	
113	3	K0	
114	2	A	
115	1	K5	
116	5	A0	
117	5	A0	
118	3	A0	
119	2	A2	
120	4	A0	
121	5	F3g	
122	8	K0	
123	2	A2	
124	1	A	
125	1	G5	
126	2	K0	
127	1	K0	
128	1	A	
129	1	G	
130	2	A0	
131	1	A	
132	1	A	
133	1	A	
134	1	F	
135	3	F3g	

109	+8°	1161	5-	55.6	+8	35.3	9.0 N
110	+8°	1162	5-	55.6	+8	35.0	8.6 J
111	+8°	1160	5-	55.5	+8	10.7	9.1 J
112	+7°	1102	5-	55.2	+7	51.4	9.5- J
113	+8°	1173	5-	56.8	+8	13.3	8.2 J
114	+7°	1119	6-	57.4	+7	53.8	8.9 J
115	+7°	1121	5-	57.8	+7	32.0	9.0 J
116	+7°	1118	5-	57.3	+7	7.8	8.1 J
117	+6°	1100	5-	56.5-	+6	29.0	8.5 J
118	+6°	1095	5-	55.5-	+6	23.2	9.0 N
119	+6°	1107	5-	57.6	+6	17.4	9.0 J
120	+6°	1110	6-	58.4	+6	1.8	8.2 J
121	+5°	1089	5-	58.1	+5-	45.1	8.0 J
122	+5°	1085	5-	57.2	+5-	25.8	6.4 J
123	+5°	1081	5-	56.2	+5-	13.1	9.0 J
124	+5°	1072	5-	54.2	+5-	20.7	9.1 J
125	+5°	1073	5-	54.3	+5-	4.9	8.7 J
126	+4°	1104	5-	54.5-	+4	34.2	8.8 J
127	+4°	1113	5-	56.7	+4	47.1	9.0 J
128	+4°	1121	5-	58.5-	+4	35.3	9.3 J
129	+5°	1095	5-	58.6	+5-	8.0	9.3 J
130	+4°	1128	6	0.0	+4	25.3	8.7 J
131	+4°	1129	6	0.3	+4	0.3	9.0 J
132	+4°	1130	6	0.5-	+4	6.5-	9.0 J
133	+3°	1139	6	1.4	+3	49.2	9.2 J
134	+3°	1140	6	1.5-	+3	53.0	8.9 J
135	+4°	1131	6	0.5	+4	59.3	8.5 J
						cards made	out

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Wednesday Dec. 11, 1912.

I 38171

No.	Int.	Class	Remark
136	4	B9	
137	3	A2	
138	4	A2	
139	2	A	Lines faint. 6 mit!
140	1	G	Partly superposed on 139. Look up overexposed strip
141	5	K5	
142	2	A0	
143	4	A0	
144	1	A	
145	7	A0	
146	6	A3	
147	2	K0	
148	1	G	Nearly all superposed on 149.
149	1	G5	" " " " 148.
150	2	K0	
151	7	G0	
152	3	A2	
153	8	B2	
154	1	A0	
155	6	K0	
156	2	A2	
157	4	A0	
158	4	A0	
159	4	K5	
160	1	K0	
161	5	Ma	
162	2	A0	

136	+4°	1132	6	0.5	+4	53.7	8.5
137	+5°	1105	6	0.7	+5	0.5	8.5
138	+5°	1106	6	0.8	+5	48.5	8.5
139	+5°	1101	6	0.0	+5	35.2	8.8
140	+5°	1102	6	0.1	+5	36.7	9.2
141	+6°	1116	5	58.9	+6	44.4	8.2
142	+6°	1121	5	59.2	+6	42.8	9.0
143	+6°	1125	5	59.7	+6	26.9	8.3
144	+6°	1135	6	1.4	+6	15.8	9.2
145	+6°	1136	6	1.6	+6	17.3	8.4
146	+6°	1141	6	2.4	+6	20.4	8.1
147	+5°	1120	6	2.2	+5	44.0	8.4
148	+5°	1116	6	1.8	+5	40.9	8.5
149	+5°	1117	6	1.8	+5	41.0	8.5
150	+6°	1151	6	3.8	+6	22.4	8.9
151	+6°	1155	6	4.2	+6	50.0	7.3
152	+7°	1177	6	4.1	+7	6.8	8.4
153	+7°	1178	6	4.1	+7	25.6	7.4
154	+7°	1173	6	3.8	+7	21.6	9.2
155	+7°	1172	6	3.8	+7	48.5	7.9
158	+7°	1174	6	3.9	+7	38.3	8.8
157	+8°	1230	6	4.9	+8	7.9	8.5
158	+7°	1186	6	5.2	+7	34.2	8.2
159	+7°	1185	6	5.1	+7	11.9	8.2
160	+7°	1187	6	5.3	+7	11.2	9.3
161	+6°	1160	6	5.2	+6	2.7	7.0
162	+6°	1161	6	5.6	+6	24.1	9.2

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Wednesday Dec. 11, 1912.

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No.	Int.	Class	Remarks
163	2	A0	
164	2	A2	
165	2	A0	
166	2	F5	
167	5	A0	
168	9	B5	
169	4	A0	
170	5	F0	
171	8	F8	
172	3	F8	
173	1	G5	The northern of two.
174	2	A0	
175	4	F5	
176	4	A0	
177	5	A0	
178	3	A0	
179	2	A3	
180	1	K5	
181	3	A0	
182	1	G5	
183	2	A	
184	2	A2	
185	2	A0	
186	3	G5	
187	6	F0	
188	2	G5	
189	3	A5	

163	+6°	1164	6	6.0	+6	5.9	9.0	✓
164	+5°	1138	6	5.6	+5	31.9	9.0	✓
165	+5°	1137	6	5.5	+5	16.1	9.0	✓
166	+5°	1149	6	7.2	+5	49.0	8.6	✓
167	+6°	1170	6	7.5	+6	32.8	8.5	✓
168	+6°	1172	6	7.9	+6	6.4	7.3	✓
169	+6°	1173	6	7.9	+6	35.6	8.5	✓
170	+6°	1176	6	8.2	+6	34.8	8.3	✓
171	+7°	1216	6	9.2	+7	6.2	7.5	✓
172	+7°	1217	6	9.2	+7	0.0	8.5	✓
173	+6°	1183	6	9.4	+6	54.7	9.1	✓
174	+6°	1186	6	10.1	+6	44.2	9.0	✓
175	+6°	1191	6	11.0	+6	47.0	8.3	✓
176	+7°	1239	6	11.3	+7	18.0	8.4	✓
177	+6°	1193	6	11.3	+6	9.0	8.3	✓
178	+6°	1180	6	9.1	+6	2.7	9.0	✓
179	+5°	1161	6	9.0	+5	45.6	9.3	✓
180	+5°	1164	6	9.2	+5	58.6	8.7	✓
181	+6°	1181	6	9.4	+6	8.3	8.7	✓
182	+5°	1167	6	9.5	+5	46.1	9.0	✓
183	+5°	1171	6	9.9	+5	52.1	8.6	✓
184	+5°	1175	6	10.3	+5	58.0	8.9	✓
185	+5°	1181	6	11.1	+5	43.1	9.0	✓
186	+5°	1190	6	11.7	+5	9.1	8.7	✓
187	+5°	1197	6	13.0	+5	20.4	8.3	✓
188	+4°	1216	6	13.0	+4	59.8	8.8	✓
189	+5°	1203	6	13.8	+5	31.9	9.0	✓

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No.	Int.	Class	Remark
190	2	A3	
191	2	G	
192	2	K0	
193	3	A	E.
194	2	A5	E.
195	2	A	E. The preceding of two.
196	3	A0	
197	3	A0	
198	3	A2	
199	4	K0	
200	3	A0	
201	1	A	
202	2	A	
203	2	A	
204	2	A	E.
205	2	K5	
206	6	F2	
207	4	B8	
208	2	K0	
209	5	B9	
210	3	A0	
211	4	B9	
212	1	K0	
213	1	K0	
214	4	A3	
215	1	A	
216	8	B9	

190	+5°	1206	6	14.1	+5	28.7	8.7 ✓
191	+5°	1210	6	14.2	+5	26.3	8.7 ✓
192	+5°	1212	6	14.7	+5	38.7	8.3 ✓
193	+5°	1214	6	15.0	+5	11.5	8.5 ✓
194	+5°	1219	6	15.7	+5	40.4	8.8 ✓
195	+5°	1227	6	16.7	+5	23.8	8.9 ✓
196	+6°	1215	6	14.8	+6	32.8	8.7 ✓
197	+7°	1262	6	15.8	+7	33.5 41.3	9.0 8.7 ✓
198	+7°	1267	6	16.4	+7	8.7	8.6 ✓
199	+7°	1273	6	17.4	+7	10.1	Vak. ✓
200	+8°	1176	5	57.2	+8	57.4	8.6 ✓
201	+9°	1080	5	56.9	+9	33.4	9.0 ✓
202	+9°	1081	5	57.0	+9	35.1	9.0 ✓
203	+9°	1087	5	58.0	+9	52.7	8.7 ✓
204	+10°	991	5	56.7	+10	30.4	8.2 ✓
205	+9°	1088	5	58.4	+9	10.8	9.0 ✓
206	+9°	1092	5	59.2	+9	10.8	8.0 ✓
207	+9°	1094	5	59.4	+9	12.2	8.2 ✓
208	+8°	1196	5	59.9	+8	57.5	8.5 ✓
209	+8°	1193	5	59.6	+8	17.0	8.2 ✓
210	+7°	1138	5	59.7	+7	55.9	8.7 ✓
211	+7°	1131	5	58.7	+7	30.8	8.5 ✓
212	+7°	1134	5	59.3	+7	56.3	9.1 ✓
213	+8°	1197	6	0.0	+8	14.6	9.0 ✓
214	+8°	1198	6	0.2	+8	23.6	8.6 ✓
215	+8°	1199	6	0.6	+8	40.2	9.0 ✓
216	+8°	1202	6	0.9	+8	41.5	7.5 ✓

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Nr.	Fat.	Class	Remark
217	1	A	Nearly all superposed on 216.
218	3	A0	
219	5	B8	
220	7	A0	
221	2	K0	
222	2	K5	
223	1	A0	
224	2	A0	
225	1	G5	
226	1	K	
227	4	A0	
228	7	G0	
229	2	A0	
230	4	A0	
231	5	B9	
232	1	A	
233	4	A0	
234	3	A0	
235	3	B9	
236	1	A2	
237	3	B8	
238	1	A0	
239	5	B9	
240	4	B5	
241	2	B8	
242	4	K0	
243	4	B9	

217	+8°	1201	6	0.8	+8	39.2	9.1	✓
218	+8°	1204	6	1.1	+8	55.7	8.7	✓
219	+9°	1107	6	0.7	+9	39.4	8.4	✓
220	+8°	1112	6	2.0	+9	29.4	8.0	✓
221	+8°	1115	6	2.2	+9	10.1	8.5	✓
222	+8°	1210	6	1.9	+8	46.1	8.5	✓
223	+8°	1207	6	1.5	+8	19.1	9.3	✓
224	+8°	1213	6	2.0	+8	16.4	9.4	✓
225	+7°	1145	6	0.5	+7	8.3	8.8	✓
226	+7°	1145a	6	0.7	+7	19.4	9.5	✓
227	+7°	1148	6	0.9	+7	14.2	8.7	✓
228	+7°	1150	6	1.3	+7	32.3	7.5	✓
229	+6°	1133	6	1.3	+6	46.5	8.8	✓
230	+7°	1151	6	1.3	+7	4.2	8.5	✓
231	+7°	1155	6	2.2	+7	39.4	8.4	✓
232	+7°	1158	6	2.4	+7	48.6	9.2	✓
233	+9°	1120	6	2.9	+9	1.8	8.5	✓
234	+8°	1221	6	3.3	+8	32.9	8.7	✓
235	+8°	1224	6	3.9	+8	49.4	8.9	✓
236	+8°	1226	6	4.4	+8	28.8	9.1	✓
237	+8°	1231	6	5.0	+8	35.8	8.9	✓
238	+8°	1228	6	4.8	+8	53.8	9.0	✓
239	+9°	1134	6	5.0	+9	4.7	8.3	✓
240	+8°	1238	6	5.8	+8	44.5	8.7	✓
241	+8°	1237	6	5.7	+8	20.0	9.2	✓
242	+8°	1245	6	7.3	+8	29.2	8.0	✓
243	+8°	1250	6	7.9	+8	29.7	8.1	✓

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Wednesday, Dec. 11, 1912.
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No.	Int.	Class	Remarks
244	7	Bg	
245	4	A0	
246	1	A	
247	1	A0	
248	2	A5	
249	2	A0	
250	5	Bg	
251	10	A	E.
252	3	F5	
253	8	K0	
254	2	A3	
255	4	A0	
256	7	Bg	
257	2	F0	
258	2	A0	
259	5	A2	
260	3	F5	
261	1	K0	
1853	262	1	K0
10.25	263	2	G5
	264	2	K0
	265	2	A0
	266	4	A0
	267	6	B8
	268	5	B5
	269	9	Bg
	270	6	G5

244	+7°	1207	6	7.8	+7	41.8	8.0	J
245	+7°	1203	6	7.2	+7	29.4	8.5	J
246	+7°	1200	6	6.9	+7	14.1	9.3	J
247	+6°	1168	6	6.7	+6	37.4	9.0	J
248	+6°	1169	6	7.4	+6	55.9	8.8	J
249	+8°	1246	6	7.3	+8	53.8	8.8	J
250	+9°	1166	6	8.4	+9	4.2	8.1	J
251	+9°	1173	6	9.1	+9	57.4	6.3	J
252	+9°	1182	6	10.1	+9	22.2	8.3	J
253	+9°	1184	6	10.7	+9	6.2	7.0	J
254	+9°	1188	6	11.6	+9	4.4	8.8	J
255	+9°	1197	6	12.8	+9	1.1	8.5	J
256	+7°	1243	6	12.4	+7	46.7	7.2	J
257	+7°	1246	6	12.8	+7	37.7	8.5	J
258	+7°	1247	6	13.0	+7	31.9	8.5	J
259	+7°	1249	6	13.2	+7	35.7	8.2	J
260	+7°	1254	6	13.9	+7	15.4	9.0	J
261	+7°	1252	6	13.5	+7	0.3	8.9	J
262	+6°	1207	6	12.5	+6	49.6	9.1	J
263	+7°	1221	6	9.5	+7	29.4	9.0	J
264	+8°	1286	6	13.6	+8	46.0	8.3	J
265	+9°	1131	6	4.3	+9	31.8	8.9	J
266	+9°	1138	6	5.3	+9	38.8	8.2	J
267	+9°	1141	6	5.5	+9	39.4	7.9	J
268	+10°	1044	6	4.3	+10	22.1	7.5	J
269	+10°	1048	6	5.0	+10	19.5	6.9	J
270	+10°	1050	6	5.2	+10	46.3	6.5	J

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Wednesday, Dec. 11, 1912.

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No.	Int.	Class	Remark
271	3	A2	
Time: 10.30. 272	3	A2	

271	+10°	1054	6	5.5	+10	17.0	8.1 ↓
272	+9°	1160	6	7.4	+9	48.2	8.8 ↓

Identified by J. B. W. Jan. 10, 1913
Checked by A.N.C. Jan. 13, 1913
cards made out by M. C. W.
Cards checked 210 – 272 by E.R.B.

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Saturday, D 20.14, 1913.

Time: 9 10.10

I 38161

No.	Int.	Class	Remark
1	3	A3	
2	4	K0	
3	3	A0	
4	2	A5	
5	3	F8	
6	2	F0	Evidently an error in observation recorder. Sp. K0.
7	3	F5	
8	2	G5	
9	3	A0	
10	2	G5	
11	2	A0	
12	3	A	another star superposed?
13	2	A2	
14	2	A	
15	3	A0	
16	4	F2	
17	3	K0	
18	4	A0	
19	2	A	
20	1	[illegible]	The centering of [illegible]
21	3	A0	
22	1	G	
23	1	F5	
24	3	A0	
25	4	A0	
26	5	A0	
27	3	F5	

1	+31°	886	5	4.2	+31	16.8	8.5
2	+30°	825	5	4.1	+30	46.6	8.6
3	+30°	835	5	5.8	+30	24.1	8.8
4	+30°	820	5	3.3	+30	15.3	9.0
5	+30°	818	5	3.2	+30	3.0	8.7
6	+30°	808	5	1.8	+30	6.5	8.6
7	+29°	829	5	1.9	+29	36.1	8.4
8	+28°	754	5	0.5	+28	57.4	8.7
9	+28°	753	5	0.2	+28	54.7	8.7
10	+29°	820	5	0.1	+29	23.7	8.9
11	+29°	821	5	0.2	+29	46.4	8.8
12	+30°	796	4	59.2	+30	14.8	8.8
13	+30°	794	4	59.0	+30	59.1	8.5
14	+30°	790	4	58.8	+30	25.8	9.0
15	+29°	809	4	57.8	+29	62.1	8.5
16	+29°	806	4	57.0	+29	34.0	8.0
17	+29°	803	4	56.8	+29	46.3	7.8
18	+29°	800	4	56.3	+29	25.2	8.0
19	+29°	798	4	56.0	+29	41.1	8.8
20	+30°	774	4	55.3	+30	99	8.8
21	+30°	769	4	54.4	+30	25.2	8.5
22	+29°	792	4	53.2	+29	48.7	9.0
23	+29°	791	4	53.1	+29	46.9	8.8
24	+29°	787	4	52.6	+29	27.0	8.4
25	+29°	784	4	52.0	+29	6.8	8.2
26	+28°	792	4	52.9	+28	5.0	8.0
27	+28°	741	4	50.6	+28	30.2	8.9

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Saturday, Dec. 14, 1912

I 38161

No.	Int.	Class	Remark
28	2	F5	
29	1	G	
30	3	F8	
31	6	F5	
32	9	F0	
33	5	A2	
34	1	F2	
35	3	A	
36	4	G5	
37	6	A2	
38	4	G5	
39	2	G5	
Time: 10.17 40	2	A2	

Cont. on p. 214

28	+27°	712	4	48.7	+27	8.6	8.6 V
29	+28°	721	4	48.0	+28	1.5	8.8 J
30	+26°	797	5	3.6	+26	5.9	8.3 ✓
31	+27°	734	5	1.0	+27	22.3	7.3 J
32	+27°	732	5	0.7	+27	51.0	5.5 J
33	+28°	751	4	59.5	+28	5.0	7.0 J
34	+28°	750	4	59.0	+28	11.4	8.3 J
35	+26°	787	4	58.1	+26	48.5	8.3 J
36	+26°	789	4	59.0	+26	8.0	8.0 J
37	+26°	780	4	55.8	+26	30.7	7.5 J
38	+24°	739	4	55.0	+24	47.5	8.0 J
39	+25°	773	4	54.5	+25	33.0	8.5 J
40	+28°	759	5	3.4	+28	46.0	8.7 V

Identified by AMS. Dec. 26, 1912
Checked by J.B.W. Jan. 2, 1913
cards made out by Mr. C. W.
Cards checked by E.P.B.

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Saturday, Dec. 14, 1912.

Time: 10.37

B 12682 short disp.

No	Int.	Class	Remarks
1	4	Q_0	
2	4	H_0	
3	3	Q_0	
4	2	Q_0	
5	2	Q_0	
6	4	Q_2	
7	9	Q_2	
8	5	H_5	
9	3	Q_2	
10	7	H_2	
11	3	H_2	Partly superposed on 10.
12	5	Q_0	
13	5	K_5	
14	4	K_5	
15	2	Q_2	
16	3	K_0	
17	1	Q_2	
18	1	Q_2	
19	6	Q_0	
20	5	K_2	
21	2	K_5	
22	2	K_0	
23	2	Q_2	
24	4	Q_0	
25	7	K_0	
26	4	K_5	
27	2	Q_2	

1	−0°	1144	5	54.8	−0	5.5	8.9 ✓
2	−0°	1150	5	55.8	−0	35.3	8.0 ✓
3	−0°	1149	5	55.4	−0	56.3	9.0 ✓
4	−1°	1099	5	56.6	−1	30.3	9.4 ✓
5	−1°	1100	5	57.1	−1	27.2	9.5 ✓
6	−1°	1102	5	57.2	−1	33.4	9.1 ✓
7	−1°	1104	5	57.4	−1	34.1	7.4 ✓
8	−1°	1105	5	57.6	−1	7.0	8.5 ✓
9	−1°	1108	5	58.2	−1	13.8	9.0 ✓
10	−0°	1172	5	59.2	−0	57.8	9.0 ✓
11	−1°	1111	5	59.2	−1	1.3	9.0 ✓
12	−0°	1177	5	59.9	−0	53.4	8.9 ✓
13	−1°	1116	5 & 6	0.2	−1	13.0	8.8 ✓
14	−1°	1120	6	0.9	−1	24.1	8.4 ✓
15	−1°	1125	6	1.5	−1	21.2	9.3 ✓
16	−0°	1164	5	58.1	−0	31.7	8.5 ✓
17	−0°	1168	5	58.8	−0	43.2	9.3 ✓
18	−0°	1173	5	59.2	−0	41.1	9.5 ✓
19	−0°	1176	5	59.5	−0	12.6	8.8 ✓
20	+0°	1285	5	59.5	+0	5.9	7.8 ✓
21	+0°	1278	5	58.9	+0	1.3	8.9 ✓
22	−0°	1154	5	56.6	−0	12.7	8.7 ✓
23	+0°	1260	5	55.7	+0	25.7	9.1 ✓
24	+0°	1264	5	56.8	+0	37.3	9.7 ✓
25	+0°	1269	5	57.7	+0	52.2	7.7 ✓
26	+0°	1270	5	57.9	+0	37.1	7.0 ✓
27	+0°	1272	5	58.3	+0	28.5	9.0 ✓

cards made out.

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Saturday, Dec 14, 1912

B12683 dust disp.

No.	Int.	Class	Remark
28	4	Go	
29	7	fo	
30	1	Ro	
31	1	A	
32	2	Ao	
33	2	fgo	Another star partly superposed
34	3	fo	
35	6	Ao	
36	3	go	
37	7	Ao	
38	2	A	
39	2	go	Another star partly superposed.
40	3	A2	
41	3	Ao	
42	2	go	
43	3	R8	
44	2	A	
45	7	Ao	
46	6	Ao	
47	7	Ao	
48	3	fo	
49	2	Ao	
50	8	R3	
51	2	go	
52	7	Ao	
53	7	Ao	
54	2	A	

28	+0°	1286	5'	59.6	+0'	49.8	9.0 ✓
29	+1°	1218	5'	59.7	+1'	30.9	8.1 ✓
30	+1°	1226	6'	0.8	+1'	6.9	9.0 ✓
31	+0°	1295	6'	0.6	+0'	54.8	9.3 ✓
32	+0°	1294	6'	0.4	+0'	21.0	9.4 ✓
33	+0°	1299	6'	1.5	+0'	9.6	8.9 ✓
34	-0°	1192	6'	2.2	-0'	22.7	8.5 ✓
35	-0°	1193	6'	2.7	-0'	17.3	8.5 ✓
36	-0°	1194	6'	2.7	-0'	33.1	9.0 ✓
37	-0°	1204	6'	4.2	-0'	44.7	8.5 ✓
38	-1°	1140	6'	4.4	-1'	4.6	9.0 ✓
39	-1°	1149	6'	5.4	-1'	3.7	9.0 ✓ -1° 1148 mags. 9.5 superposed.
40	-1°	1152	6'	6.0	-1'	1.9	9.0 ✓
41	-0°	1216	6'	6.0	-0'	28.3	8.8 ✓
42	-0°	1220	6'	6.3	-0	16.2	8.5 ✓
43	+0°	1827	6'	5.8	+0'	11.7	8.5 ✓
44	-0°	1214	6'	5.3	-0'	9.8	9.0 ✓
45	+0°	1328	6'	5.8	+0'	37.1	8.5 ✓
46	+0°	1324	6'	5.5	+0	47.6	8.6 ✓
47	+0°	1317	6'	4.4	+0'	46.7	8.5 ✓
48	+0°	1307	6'	3.3	+0'	11.6	8.7 ✓
49	+0°	1302	6'	2.7	+0'	43.3	9.0 ✓
50	+1°	1235	6'	2.3	+1'	0.0	8.2 ✓
51	-0°	1199	6'	3.1	-0'	12.7	8.8 ✓
52	-1°	1114	6'	0.0	-1'	56.2	8.6 ✓
53	-1°	1121	6'	1.0	-1'	55.7	8.7 ✓
54	-2°	1489	6'	0.4	-2'	1.4	9.5 ✓

Cards made out.

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Saturday Dec. 14, 1912

B 1683 chart disp.

No.	Int.	Class	Remark
55	4	Ao	
56	2	K5	
57	8	B5	
58	4	B9	
59	5	B5	
60	2	K0	
61	1	A	
62	2	Ao	
63	3	A	
64	3	Ao	
65	3	A2	
66	3	K5	
67	3	A	
68	8	K5	
69	3	A	
70	8	K5	
71	4	K0	
72	5	B9	
73	2	A	Partly superposed on 72.
74	4	Ao	
75	4	B9	
76	2	A	
77	3	A	
78	5	A5	
79	3	Ao	
80	1	K5	
81	4	A	

55	−2°	1490	6	1.0	−2	34.6	9.0 ✓
56	−2°	1494	6	1.4	−2	28.3	8.7 ✓
57	−3°	1297	8.5	59.7	−3	19.2	7.0 ✓
58	−3°	1302	6	0.4	−3	35.0	8.3 ✓
59	−3°	1308	6	2.1	−3	46.5	8.0 ✓
60	−3°	1310	6	2.4	−3	22.7	9.0 ✓
61	−3°	1318	6	3.4	−3	34.1	9.0 ✓
62	−3°	1328	6	3.9	−3	48.2	9.0 ✓
63	−3°	1330	6	4.1	−3	23.4	8.9 ✓ 9.2 −3° 1331 superfond
64	−2°	1502	6	3.5	−2	44.8	8.9 ✓
65	−3°	1338	6	4.9	−3	20.3	8.5 ✓
66	−3°	1339	6	5.2	−3	36.4	8.3 ✓
67	−3°	1341	6	5.4	−3	42.2 (4282)	9.2 ✓
68	−3°	1345	6	6.7	−3	42.3	6.5 ✓
69	−3°	1349	6	6.9	−3	54.1	9.0 ✓
70	−3.4°	1423	6	7.6	−3.4	7.1	8.6 ✓
71	−3.4°	1422	6	7.6	−3.4	24.4	7.5 ✓
72	−4°	1426	6	7.9	−4	34.3	8.8 ✓
73	−4°	1427	6	8.0	−4	34.0	9.2 ✓
74	−4°	1435	6	9.0	−4	26.8	9.0 ✓ 9.5 −4° 1436 superfond
75	−4°	1442	6	10.1	−4	36.6	9.0 ✓
76	−4°	1443	6	10.3	−4	56.6	9.2 ✓
77	−4°	1448	6	11.5	−4	51.6	9.0 ✓
78	−5°	1581	6	11.7	−5	0.4	8.3 ✓
79	−5°	1582	6	11.7	−5	12.2	8.9 ✓
80	−6°	1477	6	9.3	−6	8.2	8.7 ✓
81	−6°	1478	6	9.4	−6	26.6	8.5 ✓

Cards made out.

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Saturday, Dec. 14, 1912

B 12682 short disp.

No.	Int.	Class	Remark
82	6	Bp	
83	6	Bp	
84	7	Mb	
85	3	Ly	
86	3	A0	Time: 10.50
87	2	A	Jan. 8, 1913 Time: 12.11
88	4	Ly	
89	4	A0	
90	6	Fs	
91	2	A	
92	3	F0	
93	4	A0	
94	3	F8	
95	3	A0	
96	1	K	
97	4	A0	
98	2	Ly	
99	2	A	
100	3	A2	
101	3	A0	
102	2	A	
103	4	A3	
104	5	Vnd	# 8 = 16 # g = 10. Bonn Bright
105	3	A	
106	3	A0	
107	9	A2	
108	2	A0	

82	−6°	1482	6	10.0	−6	4.0	8.3 ✓
83	−6°	1485	6	10.1	−6	11.8	8.3 ✓
84	−6°	1487	6	11.1	−6	46.6	7.0 ✓
85	−5°	1594	6	13.3	−5	52.7	8.5 ✓
86	−5°	1597	6	13.5	−5	56.4	9.0 ✓
87	−1°	1132	6	3.0	−1	44.1	9.1 ✓
88	−1°	1133	6	3.1	−1	59.1	8.4 ✓
89	−1°	1138	6	4.1	−1	58.9	9.1 ✓
90	−1°	1155	6	6.3	−1	47.0	8.5 ✓
91	−1°	1157	6	6.6	−1	52.1	9.2 ✓
92	−2°	1513	6	5.8	−2	35.8	8.5 ✓
93	−2°	1527	6	7.5	−2	55.7	8.7 ✓
94	−2°	1510	6	5.2	−2	55.7	9.0 ✓
95	−2°	1532	6	8.6	−2	35.2	9.0 ✓
96	−2°	1530	6	8.5	−2	20.5	8.7 ✓
97	−2°	1533	6	8.7	−2	13.8	8.9 ✓
98	−2°	1514	6	6.2	−2	38.9	9.0 ✓
99	−2°	1541	6	9.6	−2	17.2	9.1 ✓
100	−2°	1554	6	11.3	−2	25.6	8.6 ✓
101	−1°	1185	6	10.7	−1	37.3	9.0 ✓
102	−1°	1191	6	12.1	−1	39.2	9.0 ✓
103	−1°	1212	6	14.7	−1	57.8	8.7 ✓
104	−2°	1581	6	15.4	−2	7.7	var. ✓
105	−2°	1583	6	15.9	−2	34.7	8.8 ✓
106	−2°	1597	6	17.6	−2	56.8	9.0 ✓
107	−2°	1601	6	18.3	−2	54.4	7.0 ✓
108	−0°	1252	6	11.6	−0	35.5	0.1 ✓

Cards marked by E.C.P. 13. (Cor. + Bonn 58, 114)

Identified by Anne Jan. 14, 13

Checked by E.C.P. Jan. 24, 1913

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Monday Dec 16 1912

Time: 9.53 — B17 395 about disp.

No	Int.	Class	Remark
1	6	F5	
2	3	K2	
3	5	Ma	
4	2	F?	Too much superposed on 5
5	3	F5	
6	5	G0	
7	8	G0	
8	8	G5	
9	3	F5	
10	10+	B5	Burned out.
11	1	G0	
12	2	G0	
13	3	K0	
14	2	F8	
15	3	K0	
16	3	K0	
17	2	K0	
18	5	A0	
19	6	K2	
20	2	F5	
21	5	K0	
22	4	A0	
23	3	F5	
24	4	A0	
25	3	K5	
26	5	A2	
27	6	F5	

1	−21°	1260	5	40.5	−21	4.6	8.0	1 J
2	−21°	1267	5	41.6	−21	10.1	8.7	1 J
3	−21°	1262	5	41.0	−21	35.9	7.9	1 K
4	−21°	1257	5	40.2	−21	48.5	9.0	1 J
5	−21°	1256	5	40.2	−21	53.8	9.0	1 K
6	−21°	1261	5	40.6	−21	52.9	8.7	1 K
7	−21°	1245	5	37.7	−21	20.7	7.2	1 K
8	−21°	1244	5	37.6	−21	29.5	6.7	1 J
9	−21°	1251	5	38.7	−21	34.4	9.1	1 K
10	−21°	1252	5	38.7	−21	43.1	7.2	1 J
11	−22°	1208	5	38.2	−22	1.5	9.3	1 J
12	−22°	1218	5	39.0	−22	19.5	9.0	1 K
13	−22°	1227	5	40.6	−22	41.4	9.1	1 J
14	−22°	1228	5	40.6	−22	47.7	9.0	1 K
15	−22°	1229	5	40.7	−22	53.6	9.0	1 J
16	−23°	3083	5	41.8	−23	3.2	8.9	1 J
17	−22°	1232	5	41.9	−22	45.5	8.8	1 K
18	−22°	1235	5	42.4	−22	32.8	8.8	1 J
19	−22°	1234	5	42.2	−22	6.2	8.0	1 K
20	−21°	1271	5	42.2	−21	52.3	9.1	1 J
21	−22°	1238	5	42.9	−22	6.4	8.2	1 K
22	−21°	1275	5	43.4	−21	43.4	9.1	1 J
23	−21°	1276	5	43.7	−21	40.4	9.0	1 J
24	−21°	1280	5	44.5	−21	54.0	9.0	1 J
25	−22°	1244	5	44.9	−22	15.3	9.1	1 K
26	−22°	1249	5	45.5	−22	4.1	9.0	1 K
27	−21°	1287	5	46.1	−21	54.0	8.3	1 J

Cardo made out

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Monday, Dec. 16, 1918.

B17395 short exp

No.	Int.	Class	Remark
28	3	Ma	
29	2	F5	
30	3	F2	
31	2	F	Too much superposed on 32.
32	2	F2	
33	5	G5	
34	3	G2	
35	9	G	
36	8	G2	
37	2	F5	
38	1	G	
39	7	K2	
40	10+	K2	
41	1	K	
42	2	F8	
43	7	K3	Another F superposed.
44	2	F5	
45	3	F2	
46	3	F0	
47	1	G	
48	5	G5	
49	2	F	Partly superposed on 48.
50	4	F0	
51	3	F8	
52	2	F2	
53	4	F5	
54	4	G0	

28	-21°	1284	5	45.5	-21	39.8	8.4	
29	-21°	1283	5	45.2	-21	38.0	9.4	
30	-21°	1277	5	43.9	-21	26.8	9.0	
31	-22°	1241	5	43.5	-22	12.6	9.1	
32	-22°	1240	5	43.5	-22	16.5	9.1	
33	-22°	1243	5	44.4	-22	36.7	8.7	
34	-22°	1245	5	45.1	-22	49.0	9.3	
35	-22°	1246	5	45.4	-22	57.8	6.9	
36	-23°	3146	5	45.2	-23	16.0	8.8	
37	-23°	3151	5	45.5	-23	16.0	9.0	
38	-23°	3152	5	45.6	-23	25.0	9.2	
39	-23°	3160	5	46.0	-23	26.2	8.3	
40	-23°	3135	5	44.7	-23	1.2	6.2	
41	-22°	1242	5	44.2	-22	46.4	9.4	
42	-23°	3110	5	43.4	-23	2.0	9.1	
43	-22°	1256	5	47.3	-22	24.5	8.2	
44	-22°	1254	5	47.1	-22	30.3	9.0	
45	-21°	1294	5	47.1	-21	50.6	8.9	
46	-21°	1290	5	46.4	-21	42.2	9.0	
47	-21°	1289	5	46.3	-21	38.9	9.0	
48	-20°	1213	5	45.4	-20	52.4	8.6	
49	-20°	1211	5	45.1	-20	53.9	11.3	
50	-20°	1217	5	46.4	-20	50.1	8.8	
51	-20°	1219	5	46.7	-20	44.9	9.2	
52	-20°	1225	5	47.8	-20	54.9	9.0	
53	-21°	1298	5	48.6	-21	18.4	8.5	
54	-21°	1302	5	49.1	-21	37.6	9.2	
	-21°	1300	5	49.1	-21	27.6	9.0	

This is spectroscopic companion of

and chr. plate A 4250 shows only one star only one is given in C.P.D cat. 8th cat. cards made out

5 H7 mags: 9.4 superposed

1205 -22 24.0

May be superposed on chart plate B 20906

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Monday Dec. 16, 1912.

B 17395 short exp.

No.	Int.	Class	Remark
55	10	I_{p}	
56	7	I_{p}^{5}	
57	3	A_5	
58	4	I_{0}	
59	6	I_{0}	
60	8	I_{p}^{5}	
61	4	A_2	
62	2	I_{p}^{5}	
63	1	I_{p}^{5}	
64	1	I_{p}	
65	2	I_{p}^{5}	
66	2	I_{5}	
67	1	I_{5}	
68	2	I_{2}	
69	1	I_{p}	
70	3	I_{0}	
71	5	A_5	
72	2	I_{1}	
73	3	I_{0}	
74	6	I_{5}	
75	4	A_2	
76	2	I_{0}	
77	1	I_{0}	
78	2	I_{0}	
79	5	A_3	
80	4	I_{2}	
81	4	A_2	

53	-21°	1304	5	49.7	-21	42.3	7.0	∧ ∨
56	-21°	1309	5	50.1	-21	30.9	8.3	∧ ∨
57	-21°	1311	5	50.2	-21	40.5	9.1	∧ ∨
58	-21°	1312	5	50.7	-21	48.4	8.8	∧ ∨
59	-21°	1314	5	51.9	-21	31.1	8.8	∧ ∨
60	-21°	1316	5	52.4	-21	33.7	7.8	∧ ∨
61	-22°	1259	5	48.7	-22	52.0	9.0	∧ ∨
62	-23°	3213	5	48.7	-23	11.2	9.2	∧ ∨
63	-23°	3188	5	47.3	-23	17.9	9.0	∧ ∨
64	-23°	3194	5	47.5	-23	26.2	9.3	∧ ∨
65	-23°	3196	5	47.6	-23	38.7	8.9	∧ ∨
66	-23°	3181	5	46.8	-23	54.0	9.4	∧ ∨
67	-24°	3440	5	43.0	-24	3.0	9.5	∧ ∨
68	-24°	3448	5	43.6	-24	11.0	8.7	∧ ∨
69	-23°	3102	5	42.7	-23	51.4	9.3	∧ ∨
70	-23°	3230	5	49.7	-23	58.4	8.8	∧ ∨
71	-24°	3548	5	50.3	-24	17.2	8.8	∧ ∨
72	-25°	2772	5	49.5	-25	16.8	8.5	∧ ∨
73	-25°	2783	5	50.3	-25	9.4	9.0	∧ ∨
74	-24°	3567	5	58.2	-24	58.7	7.9	∧ ∨
75	-25°	2823	5	53.2	-25	15.1	8.8	∧ ∨
76	-25°	2827	5	53.4	-25	9.6	8.6	∧ ∨
77	-24°	3556	5	53.6	-24	49.6	8.6	∧ ∨
78	-24°	3581	5	53.7	-24	38.6	8.6	∧ ∨
79	-24°	3572	5	52.6	-24	12.2	8.8	∧ ∨
80	-24°	3557	5	51.1	-24	6.2	7.7	∧ ∨
81	-23°	3247	5	50.5	-23	45.4	9.1	∧ ∨

Cards made out

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Thursday, Dec. 16, 1912.

B 17395 short exps.

No.	Int.	Class	Remark
82	3	F8	
83	2	G0	
84	10	K0	
85	1	K0	
86	2	G0	
87	5	B8	
88	10	K0	
89	3	F2	
91	6	F8	
91	3	B8	
93	2	F5?	Image very hazy.
93	2	F5	
94	4	F8	
95	2	A	
96	2	K5	
97	7	A3	
98	6	A2	
99	3	A2	
100	2	G0	
101	4	A5	
102	5	K0	
103	8	A2	
104	8	B9	
105	4	K0	
106	4	B8	Stars superposed N south.
107	1	K	
108	5	A3	

82	-23°	3253	5	50.8	-23	27.9	9.2	∧ ✓
83	-23°	3259	5	51.2	-23	23.0	9.3	∧ ✓
84	-23°	3263	5	51.4	-23	13.5	6.7	∧ ✓
85	-23°	3262	5	51.3	-23	25.4	9.0	∧ ✓
86	-22°	1273	5	50.8	-22	56.2	9.5	∧ ✓
87	-22°	1270	5	50.3	-22	40.5	9.0	∧ ✓
88	-22°	1269	5	50.2	-22	52.1	6.7	∧ ✓
89	-22°	1261	5	49.4	-22	40.7	9.2	∧ ✓
90	-22°	1268	5	50.1	-22	17.5	8.7	∧ ✓
91	-22°	1271	5	50.7	-22	19.3	9.2	∧ ✓
92	-22°	1274	5	51.4	-22	11.6	9.3	-22° 1278 superposed on knots
93	-22°	1276	5	51.6	-22	26.6	9.3	∧ ✓
94	-22°	1281	5	52.9	-22	35.2	8.9	∧ ✓
95	-22°	1284	5	53.2	-22	39.0	9.5	∧ ✓
96	-22°	1287	5	53.9	-22	6.0	8.9	∧ ✓
97	-21°	1325	5	54.7	-21	56.9	8.4	∧ ✓
98	-21°	1330	5	55.9	-21	48.5	8.5	∧ ✓
99	-22°	1293	5	55.5	-21	9.3	9.1	∧ ✓
100	-22°	1282	5	53.9	-22	47.5	9.5	∧ ✓ (number misplaced in original record)
101	-22°	1297	5	56.2	-22	18.6	8.9	∧ ✓
102	-21°	1321	5	53.9	-21	25.4	8.2	∧ ✓
103	-21°	1324	5	54.7	-21	0.7	8.0	∧ ✓
104	-21°	1323	5	54.7	-21	9.2	8.5	∧ ✓
105	-20°	1260	5	55.3	-20	38.8	8.0	∧ ✓
106	-23°	3295	5	53.2	-23	14.9	9.2	∧ ✓ -23° 3293 mags. 9.7 and -23 3291 Mags 9.5 superposed
107	-23°	3291	5	53.0	-23	48.9	8.4	∧ ✓
108	-23°	3317	5	54.4	-23	42.0	9.0	∧ ✓

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Monday Dec 16, 1912.

B 17395 clear disp.

No.	Int.	Class	Remark
109	1	K5	
110	1	A	
111	2	K5	
112	2	K0	
113	2	K5	
114	6	A0	
115	3	A0	
116	3	K0	
117	6	K0	
118	4	A0	
119	3	K2	
120	4	K0	
121	2	A2	
122	3	K0	
123	3	K5	
124	8	F0	
125	2	Ma	
126	2	A0	
127	6	F0	
128	5	K0	
129	5	F0	
130	2	A0	
131	4	K0	
132	2	A0	
133	3	K2	
134	1	A	
135	1	M	

109	−23°	3316	5	54.3	−23	0.2	8.3	∧ ∨
110	−22°	1286	5	53.9	−22	47.5	9.5	∧ ∨
111	−23°	3344	5	55.8	−23	10.1	9.2	∧ ∨
112	−23°	3338	5	55.6	−23	55.7	8.5	∧ ∨
113	−23°	3347	5	56.0	−23	54.7	8.5	∧ ∨
114	−24°	3615	5	55.9	−24	6.2	8.3	∧ ∨
115	−24°	3599	5	54.5	−24	29.1	9.0	∧ ∨
116	−23°	3366	5	57.5	−23	50.1	9.0	∧ ∨
117	−23°	3373	5	57.8	−23	12.7	7.5	∧ ∨
118	−23°	3380	5	58.7	−23	8.9	9.1	∧ ∨
119	−22°	1304	5	57.4	−22	49.0	8.8	∧ ∨
120	−22°	1303	5	57.1	−22	44.8	8.8	∧ ∨
121	−22°	1298	5	56.3	−22	43.1	9.6	∧ ∨
122	−21°	1338	5	56.7	−21	48.3 55.6	9.3	∧ ∨
123	−21°	1887	5	57.3	−21	40.4	8.7	∧ ∨
124	−21°	1886	5	57.3	−21	47.2	7.6	∧ ∨
125	−20°	1184	5	40.3	−20	31.7	8.5	∧ ∨
126	−20°	1185	5	41.3	−20	17.7	9.4	∧ ∨
127	−20°	1188	5	41.9	−20	4.5	8.2	∧ ∨
128	−20°	1193	5	42.9	−20	8.8	8.5	∧ ∨
129	−20°	1191	5	42.4	−20	40.9	8.3	∧ ∨
130	−20°	1192	5	42.4	−20	46.0	9.4	∧ ∨
131	−20°	1203	5	43.7	−20	23.5	8.0	∧ ∨
132	−20°	1205	5	43.9	−20	8.5	9.1	∧ ∨
133	−20°	1210	5	45.1	−20	20.6	8.5	∧ ∨
134	−20°	1200	5	43.4	−20	46.3	9.2	∧ ∨
135	−20°	1207	5	44.1	−20	45.3	9.2	∧ ∨

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Monday. Dec. 16. 1912.

B17395 short exp.

Var.	Int.	Class	Remark
136	1	I_p	
137	4	III_5	
138	7	III_0	
139	10	A_0	
140	3	III_5	
141	10	A_0	
142	7	I_{p5}	
143	4	I_{p0}	
144	3	A_5	
145	4	A_0	
146	2	I_{p0}	
147	10	A_0	
148	3	III_0	
149	2	I_{p5}	
150	14	F_5	
151	7	F_0	
152	2	A_3	
153	2	A_0	
154	2	I_{p5}	
155	3	A_2	
156	7	A_2	
157	2	A	
158	6	F_0	
159	3	A_0	
160	4	F_2	
161	7	III_2	
162	3	F_5	

136	-21°	1273	5	43.0	-21	27.1	9.4	1 v
137	-19°	1287	5	45.5	-19	25.6	7.7	1 v
138	-19°	1289	5	45.9	-19	5.4	7.2	1 v
139	-19°	1278	5	42.9	-19	27.2	7.1	1 v
140	-20°	1221	5	47.2	-20	10.8	8.3	1 v
141	-19°	1293	5	47.7	-19	40.2	6.3	1 v
142	-19°	1297	5	48.2	-19	44.1	7.5	1 v
143	-20°	1232	5	50.2	-20	3.4	8.2	1 v
144	-20°	1233	5	50.2	-20	21.7	8.8	1 v
145	-20°	1236	5	50.7	-20	41.4	9.0	1 v
146	-21°	1306	5	49.9	-21	2.7	9.2	1 v
147	-21°	1307	5	50.0	-21	8.9	8.0	1 v
148	-21°	1313	5	51.2	-21	4.9	8.6	1 v
149	-20°	1238	5	51.4	-20	48.8	9.1	1 v
150	-20°	1239	5	51.5	-20	33.3	9.0	1 v
151	-20°	1243	5	52.2	-20	10.7	8.0	1 v
152	-19°	1316	5	51.8	-19	58.5	9.4	1 v
153	-20°	1237	5	51.1	-20	27.9	9.4	1 v
154	-20°	1240	5	51.8	-20	46.3	9.4	1 v
155	-20°	1241	5	52.2	-20	40.0	9.2	1 v
156	-20°	1244	5	52.9	-20	20.3	8.7	1 v
157	-20°	1245	5	53.1	-20	14.3	9.2	1 v
158	-20°	1246	5	53.1	-20	35.3	8.9	1 v
159	-20°	1253	5	53.8	-20	25.1	9.1	1 v
160	-19°	1323	5	53.7	-19	51.6	8.5	1 v
161	-19°	1314	5	51.5	-19	24.2	7.8	1 v
162	-19°	1309	5	50.8	-19	14.1	8.8	1 v

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Monday, Dec. 16, 1912.

B 17395 short disp.

No.	Int.	Class	Remark
163	5	A3	
164	5	K0	
165	4	F0	
166	3	K0	
167	7	K0	
168	5	F0	
169	4	F2	
170	7	G5	
171	7	F5	
172	10	G0	
173	3	K5	
174	4	G0	
175	4	A2	Partly superposed on 174.
176	5	A2	
177	2	G0	Partly superposed on 176.
178	3	G0	
179	3	G0	
180	3	G5	
181	2	G0	
182	4	A0	
183	4	A0	
184	2	K0	
185	5	A0	
Time: 10.29	186	6	A0

ends 133, 136

163	-19°	1301	5	49.6 50.5	-19	11.2 ~~11.1~~	9.0 ~~8.8~~	∧ ∨
164	-18°	1235	5	49.3	-18	59.6	7.7	∧ ∨
165	-18°	1228	5	48.4	-18	53.4	8.5	∧ ∨
166	-19°	1231	5	33.1	-19	52.4	8.2	∧ ∨
167	-20°	1149	5	34.4	-20	22.4	7.7	∧ ∨
168	-20°	1159	5	36.3	-20	13.5	8.5	∧ ∨
169	-20°	1162	5	37.1	-20	15.4	8.3	∧ ∨
170	-19°	1248	5	37.5	-19	43.0	7.5	∧ ∨
171	-19°	1250	5	37.8	-19	37.9	8.0	∧ ∨
172	-20°	1171	5	38.2	-20	11.6	6.5	∧ ∨
173	-20°	1177	5	39.1	-20	9.2	8.5	∧ ∨
174	-20°	1166	5	37.4	-20	25.5	8.8	∧ ∨
175	-20°	1165	5	37.4	-20	27.5	9.2	∧ ∨
176	-20°	1163	5	37.1	-20	44.1	8.3	∧ ∨
177	-20°	1164	5	37.1	-20	47.8	9.1	∧ ∨
178	-21°	1240	5	36.7	-21	6.6	9.0	∧ ∨
179	-20°	1172	5	38.4	-20	45.6	9.0	∧ ∨
180	-20°	1175	5	38.7	-20	33.1	8.7	∧ ∨
181	-20°	1180	5	39.7	-20	33.9	9.4	∧ ∨
182	-19°	1261	5	39.5	-19	20.4	9.2	∧ -19° 1280 magn. 8.8 superposed
183	-19°	1263	5	39.7	-19	28.3	9.1	∧ ∨
184	-19°	1266	5	40.0	-19	1.9	9.0	∧ ∨
185	-19°	1276	5	42.1	-19	4.5	8.9	∧ ∨
186	-18°	1194	5	42.1	-18	45.0	8.6	∧ ∨

Identified by AMC Dec. 24, 1912

Checked Jan. 7. 1913 HHW.

cards made out by Mr C.W.

Cards checked by SKB.

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Tuesday, Dec. 17, 1913.

Time: 10.20 — B 1263 2 short disp.

Nr.	Int	Class	Remark
1	10+	A2	Classified from trail.
2	3	Ao	
3	2	A	
4	2	Ko	
5	2	Ko	
6	2	Ko	
7	2	Ko	
8	4	F5	
9	3	A	
10	3	F5	
11	3	K5	
12	2	A2	
13	4	F8	
14	6	A3	
15	4	A5	
16	2	A5	
17	2	K5	
18	2	F2	
19	2	F8	
20	3	F2	
21	3	K2	
22	4	Ao	
23	2	Ko	
24	3	A2	
25	3	Ko	
26	3	Ko	
27	3	Ao	

1	−14°	1232	5	40.4	−14	52.7	4.0
2	−15°	1159	5	39.6	−15	17.7	9.0
3	−15°	1156	5	39.4	−15	20.9	9.2
4	−15°	1160	5	39.7	−15	36.0	9.1
5	−15°	1157	5	39.4	−15	51.5	9.0
6	−15°	1158	5	39.6	−15	54.2	8.5
7	−16°	1235	5	39.7	−16	0.8	9.0
8	−16°	1232	5	39.3	−16	0.4	8.7
9	−16°	1229	5	39.0	−16	0.0	9.0
10	−16°	1248	5	40.8	−16	9.7	9.0
11	−16°	1245	5	40.7	−16	27.9	9.0
12	−16°	1252	5	41.7	−16	50.9	9.4
13	−16°	1259	5	42.4	−16	38.8	8.7
14	−16°	1263	5	43.1	−16	32.6	8.8
15	−16°	1269	5	44.0	−16	14.6	9.0
16	−16°	1271	5	44.2	−16	2.5	9.1
17	−15°	1177	5	43.1	−15	30.3	9.1
18	−15°	1175	5	42.6	−15	0.4	8.9
19	−15°	1196	5	45.6	−15	42.0	9.1
20	−15°	1201	5	46.1	−15	11.4	8.9
21	−14°	1266	5	45.7	−14	49.8	8.5
22	−15°	1208	5	47.1	−15	30.0	8.8
23	−15°	1198	5	46.0	−15	52.8	9.0
24	−16°	1290	5	46.9	−16	1.9	9.2
25	−16°	1294	5	47.1	−16	2.3	8.6
26	−16°	1288	5	46.3	−16	41.5	9.0
27	−16°	1289	5	46.6	−16	45.1	9.0

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Tuesday. Dec. 17, 1912.

B 12639 chart disp.

No.	Mt.	Class	Remark
28	4	F5	
29	2	A2	
30	2	A0	
31	1	K5	
32	4	K0	
33	4	K2	
34	6	A0	
35	4	F8	
36	3	A0	
37	2	A0	
38	2	K0	
39	2	K0	
40	2	G5	
41	1	G5	
42	2	A2	
43	1	K2	
44	2	A2	
45	3	F0	
46	5	G5	
47	2	F8	
48	2	G5	
49	4	K0	
50	3	K0	
51	5	F5	
52	5	F0	
53	1	G	
54	2	A0	

28	-16°	1291	5	46.9	-16	19.6	8.9
29	-16°	1280	5	44.9	-16	54.3	9.4
30	-17°	1266	5	45.0	-17	10.4	9.8
31	-17°	1263	5	44.3	-17	9.9	9.0
32	-17°	1253	5	43.0	-17	37.9	8.5
33	-18°	1196	5	42.7	-18	6.5	8.5
34	-18°	1194	5	42.1	-18	45.0	8.6
35	-18°	1206	5	43.8	-18	19.8	8.7
36	-17°	1260	5	44.0	-17	59.0	8.8
37	-18°	1214	5	44.7	-18	12.8	9.2
38	-18°	1204	5	43.6	-18	48.0	9.0
39	-19°	1271	5	41.2	-19	3.0	8.8
40	-19°	1286	5	45.2	-19	7.1	9.0
41	-18°	1211	5	44.5	-18	39.7	9.0
42	-18°	1213	5	44.7	-18	46.5	9.1
43	-18°	1215	5	45.4	-18	47.4	9.0
44	-18°	1216	5	45.7	-18	47.8	9.4
45	-17°	1272	5	46.0	-17	40.0	9.0
46	-17°	1277	5	46.8	-17	48.7	8.3
47	-18°	1219	5	46.8	-18	4.7	9.0
48	-18°	1226	5	47.5	-18	10.7	9.0
49	-17°	1284	5	48.1	-17	48.4	8.2
50	-17°	1278	5	47.0	-17	18.1	8.6
51	-17°	1281	5	47.7	-17	8.2	8.8
52	-17°	1288	5	48.6	-17	0.3	9.0
53	-16°	1301	5	49.3	-16	50.4	9.0
54	-17°	1293	5	49.1	-17	13.4	9.4

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Tuesday, Dec. 17, 1912.

B 12632 short wisp.

No.	Int.	Class	Remark
55	2	A0	
56	3	Ap5	
57	2	Ap	
58	4	B8	
59	7	A2	
60	9	F5	
61	2	F6	
62	1	F8	
63	3	F8	
64	1	Gp5	
65	3	Gp5	
66	1	Gp5	
67	2	A0	
68	3	Gp	
69	4	K2	
70	1	M	
71	6	A0	
72	3	Gp5	
73	3	M2	
74	6	Gp5	
75	6	A3	
76	1	Gp5	
77	2	Gp	
78	2	Gp	
79	1	A	
80	6	A3	
81	2	A	

55	−17°	1292	5	49.1	−17	57.0	9.1
56	−18°	1236	5	49.4	−18	1.9	8.7
57	−17°	1298	5	49.7	−17	54.5	8.4
58	−17°	1303	5	50.0	−17	51.2	8.9
59	−18°	1240	5	50.4	−18	18.6	7.8
60	−18°	1247	5	51.2	−18	4.5	7.0
61	−18°	1254	5	51.9	−18	0.3	8.6
62	−18°	1243	5	50.6	−18	36.8	9.1
63	−18°	1249	5	51.3	−18	46.1	8.9
64	−18°	1253	5	51.9	−18	48.0	9.0
65	−19°	1318	5	52.5	−19	5.1	8.7
66	−19°	1319	5	52.5	−19	38.7	9.1
67	−19°	1320	5	52.9	−19	49.9	9.2
68	−17°	1319	5	52.9	−17	55.3	8.8
69	−18°	1262	5	53.6	−18	30.5	8.9
70	−18°	1265	5	54.4	−18	41.8	9.1
71	−18°	1269	5	55.1	−18	17.6	8.3
72	−18°	1270	5	55.4	−18	3.9	8.0
73	−18°	1272	5	55.5	−18	31.0	8.3
74	−18°	1276	5	56.1	−18	34.2	8.0
75	−18°	1278	5	56.3	−18	23.5	8.3
76	−18°	1279	5	56.4	−18	9.2	9.0
77	−17°	1334	5	56.1	−17	51.4	8.6
78	−17°	1339	5	56.7	−17	48.1	8.5
79	−17°	1335	5	56.3	−17	35.9	9.2
80	−17°	1327	5	54.8	−17	30.8	8.3
81	−17°	1329	5	55.2	−17	18.7	9.0

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Tuesday, Dec. 17, 1912.

B 1263 2 slant disps

Nr.	Int.	Class	Remark
82	2	A5	
83	7	F2	
84	1	K2	
85	3	A3	
86	2	F2	
87	3	A5	
88	2	A0	The preceding of two.
89	2	G0	
90	2	G5	
91	3	A	Another stem of class A unperfocused to north.
92	4	A3	
93	2	F8	
94	2	G0	
95	2	A0	
96	5	K0	
97	4	A0	
98	3	A5	
99	6	F8	
100	7	B9	
101	7	A2	
102	1	G5	
103	9	A2	
104	2	A0	
105	7	K0	
106	3	K0	
107	6	K0	
108	3	G5	

82	−16°	1326	5	53.6	−16	53.3	9.2 ∧∨
83	−16°	1320	5	53.2	−16	47.8	8.0 ∧∨
84	−17°	1321	5	53.4	−17	5.8	8.8 ∧∨
85	−17°	1320	5	53.0	−17	5.8	9.0 ∧∨
86	−17°	1309	5	51.1	−17	8.4	9.0 ∧∨
87	−17°	1312	5	51.5	−17	24.8	9.2 ∧∨
88	−16°	1309	5	51.2	−16	7.7	9.3 ∧∨
89	−15°	1227	5	51.2	−15	45.6	9.0 ∧∨
90	−15°	1229	5	51.4	−15	44.2	9.0 ∧∨
91	−15°	1230	5	51.7	−15	26.9	8.9 ∧∨ −15° 1231 magn. 8.9 Superposed
92	−15°	1217	5	49.2	−15	13.0	8.8 ∧∨
93	−15°	1216	5	48.7	−15	32.8	9.3 ∧∨
94	−15°	1220	5	49.5	−15	26.8	9.0 ∧∨
95	−14°	1287	5	49.8	−14	38.8	9.3 ∧∨
96	−14°	1297	5	52.2	−14	12.8	8.5 ∧∨
97	−13°	1316	5	53.4	−13	58.5	9.0 ∧∨
98	−14°	1304	5	53.8	−14	1.7	9.0 ∧∨
99	−14°	1302	5	53.6	−14	11.3	8.6 ∧∨
100	−14°	1300	5	53.1	−14	43.1	8.5 ∧∨
101	−15°	1239	5	53.5	−15	4.5	8.8 ∧∨
102	−15°	1236	5	53.0	−15	22.6	9.0 ∧∨
103	−15°	1238	5	53.3	−15	48.7	8.0 ∧∨
104	−16°	1329	5	54.3	−16	20.1	9.2 ∧∨
105	−16°	1333	5	55.1	−16	23.8	7.2 ∧∨
106	−15°	1248	5	55.0	−15	32.3	8.7 ∧∨
107	−15°	1249	5	55.1	−15	35.4	7.2 ∧∨
108	−15°	1242	5	54.2	−15	0.9	8.5 ∧∨

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Tuesday, Dec. 17, 1912.

B 1632 short disp.

No.	Int.	Class	Remark
109	4	A3	
110	1	g5	
111	10	g5	
112	8	B9	
113	6	g0	
114	2	A	Nearly all superposed on 113.
115	2	A5	
116	2	g5	
117	1	A	
118	1	A	
119	2	g0	
120	3	g5	
121	5	g5	
122	1	g5	
123	8	A0	
124	3	A0	
125	5	F2	
126	8	g5	
127	2	g	Nearly all superposed on 126.
128	5	g5	
129	3	g0	
130	3	g5	
131	1	F	
132	3	F5	
133	4	A0	
134	8	F5	
135	7	A0	

109	−14°	1307	5	54.5	−14	31.4	9.0	∧ ∨
110	−14°	1310	5	55.3	−14	6.2	9.1	∧ ∨
111	−14°	1315	5	56.0	−14	30.0	7.0	∧ ∨
112	−15°	1261	5	57.6	−15	40.3	8.4	∧ ∨
113	−16°	1343	5	56.8	−16	2.2	8.0	∧ ∨
114	−16°	1342	5	56.8	−16	1.2	9.1	∧ ∨
115	−15°	1253	5	55.7	−15	42.1	9.1	∧ ∨
116	−16°	1337	5	55.5	−16	46.9	8.8	∧ ∨
117	−17°	1330	5	55.6	−17	7.5	9.3	∧ ∨
118	−17°	1333	5	56.0	−17	5.5	9.3	∧ ∨
119	−16°	1345	5	57.8	−16	52.7	9.0	∧ ∨
120	−16°	1347	5	58.1	−16	36.8	9.0	∧ ∨
121	−16°	1353	5	59.3	−16	13.7	8.2	∧ ∨
122	−16°	1352	5	59.3	−16	31.2	9.0	∧ ∨
123	−16°	1354	5	59.3	−16	56.7	7.8	∧ ∨
124	−17°	1349	5	59.2	−17	13.2	8.8	∧ ∨
125	−16°	1356	6	0.1	−16	52.7	8.2	∧ ∨
126	−16°	1357	6	0.2	−16	30.4	7.0	∧ ∨
127	−16°	1358	6	0.2	−16	76.1	9.0	∧ ∨
128	−16°	1359	6	0.2	−16	14.9	8.4	∧ ∨
129	−15°	1265	5	58.5	−15	25.3	8.8	∧ ∨
130	−15°	1269	6	0.1	−15	7.4	8.9	∧ ∨
131	−15°	1272	6	0.9	−15	14.8	9.2	∧ ∨
132	−15°	1274	6	1.3	−15	11.1	9.0	∧ ∨
133	−15°	1277	6	1.7	−15	24.7	9.0	∧ ∨
134	−15°	1275	6	1.6	−15	52.4	1.8	∧ ∨
135	−15°	1280	6	2.6	−15	40.7	8.0	∧ ∨ −15 1281 9.5 surface proof?

Cards made out

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Tuesday, Dec. 17, 1913.

312632 short exp.

No.	Grt.	Class	Remark
136	2	A3	
137	3	A0	
138	1	A0	
139	4	K5	
140	5	M2	
141	7	B8	
142	4	K0	
143	2	K5	
144	2	M8	
145	7	A3	
146	4	A2	
147	8	B9	
148	2	M2	
149	7	A0	
Time: 10.50	150	1	N
	151		
	152		
	153		
	154		

Cond. 133, 120

136	−16°	1368	6	1.2	−16	51.5	9.0 1 V
137	−16°	1371	6	2.0	−16	52.4	9.2 1 V
138	−17°	1377	6	7.9	−17	16.0	7.5 1 V
139	−17°	1360	6	0.9	−17	47.9	8.5 1 V
140	−18°	1301	5	59.8	−18	2.7	8.5 1 V 18 5 59.8 −18 211 9.0 subexposure
141	−17°	1344	5	58.4	−17	56.9	7.0 1 V
142	−18°	1291	5	58.5	−18	4.5	7.5 1 V
143	−18°	1285	5	57.5	−18	33.1	8.8 1 V
144	−18°	1287	5	57.9	−18	40.5	9.2 1 V
146	−18°	1289	5	58.0	−18	59.7	8.2 1 V
146	−19°	1341	5	58.2	−19	16.7	8.8 1 V
147	−19°	1345	5	58.5	−19	29.1	8.3 1 V
148	−19°	1343	5	58.2	−19	43.5	8.7 1 V
149	−19°	1329	5	55.9	−19	41.5	7.7 1 V
150	−20°	1261	5	56.0	−20	1.6	8.4 1 V

Identified by Anne. Dec. 18, 1912

Checked Jan. 9. 1913 — D.W.

cards made out by Mr. C.W.

Cards checked by Anne.

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Tuesday. Dec. 17, 1913.

Time: 11.08

B 12466 shot disp.

No.	Int.	Class	Remark
1	3	A	E
2	1	K0	
3	8	Ma	
4	5	A0	
5	4	F0	
6	5	A0	
7	1	A	E.
8	3	A2	
9	1	K	
10	2	F5	
11	2	A	E.
12	2	K0	
13	2	K2	
14	7	B9	
15	4	A0	
16	8	A0	
17	4	A0	
18	10+	A2	
19	7	A0	
20	5	K0	
21	2	K0	
22	1	K	
23	4	A0	
24	3	G5	
25	2	G	
26	2	A	
27	10+	F5	

1	−18°	1299	5	58.8	−18	52.8	9.1	∧ ∨
2	−19°	1356	6	0.7	−19	4.4	8.5	∧ ∨
3	−19°	1361	6	1.4	−19	8.6	5.8	∧ ∨
4	−19°	1365	6	1.9	−19	14.6	8.3	∧ ∨
5	−19°	1364	6	1.8	−19	45.7	8.3	∧ ∨
6	−19°	1355	6	0.6	−19	55.8	8.2	∧ ∨
7	−19°	1349	5	59.7	−19	56.9	9.3	∧ ∨
8	−20°	1282	5	59.7	−20	39.6	8.6	∧ ∨
9	−20°	1279	5	59.2	−20	16.5	8.8	∧ ∨
10	−20°	1271	5	57.9	−20	37.1	9.0	∧ ∨
11	−20°	1278	5	57.8 58.5	−20	58.8 58.9	9.8	∧ ∨
12	−20°	1275	5	58.5	−20	53.9	9.0	∧ ∨
13	−21°	1345	5	58.8	−21	40.9	9.0	∧ ∨
14	−22°	1313	5 6	0.3	−22	8.2	8.2	∧ ∨
15	−22°	1314	6	0.6	−22	23.6	8.8	∧ ∨
16	−22°	1320	6	1.2	−22	33.6	8.5	∧ ∨
17	−22°	1322	6	1.8	−22	27.2	9.0	∧ ∨
18	−23°	3481	6	1.3	−23	5.4	5.8	∧ ∨
19	−23°	3486	6	1.6	−23	4.6	8.2	∧ ∨
20	−23°	3482	6	1.5	−23	31.0	8.1	∧ ∨
21	−23°	3443	6	2.0	−23	30.3	8.8	∧ ∨
22	−23°	3460	6	2.8	−23	36.0	8.8	∧ ∨
23	−23°	3482	6	3.7	−23	23.0	9.1	∧ ∨
24	−23°	3478	6	3.6	−23	45.7	8.9	∧ ∨
25	−23°	3491	6	4.3	−23	32.6	8.6	∧ ∨
26	−23°	3471	6	3.3	−23	59.6	9.1	∧ ∨
27	−22°	1330	6	3.7	−22	46.3	6.5	∧ ∨

cards made out

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Tuesday Dec. 17, 1912.

B 12466 slant drift

No.	Int.	Class	Remark
28	10+	A0	
29	3	F0	
30	5	K0	
31	3	A2	
32	3	A0	
33	3	K5	
34	6	B8	
35	2	A0	
36	8	B8	
37	4	Fx	
38	4	F0	
39	8	Mb	
40	1	K0	
41	6	B9	
42	2	F	
43	4	K2	
44	4	A0	Partly superposed on 45.
45	6	B9	Another star superposed on fol. side.
46	3	A	
47	6	A3	
48	3	A	
49	1	K0	
50	8	K0	
51	2	K0	
52	1	K0	
53	5	A0	
54	3	F8	

28	-22°	1327	6	2.9	-22	24.1	6.2	1 v
29	-22°	1328	6	3.5	-22	17.4	9.0	1 v
30	-22°	1329	6	3.6	-22	54	8.1	1 v
31	-22°	1332	6	4.5	-22	20.1	9.0	1 v
32	-22°	1333	6	4.7	-22	3.5	9.1	1 v
33	-21°	1377	6	4.5	-21	48.9	8.7	1 v
34	-21°	1383	6	5.4	-21	26.4	8.8	1 v
35	-21°	1386	6	6.4	-21	28.2	8.9	1 v
36	-21°	1391	6	7.3	-21	13.8	8.2	1 v
37	-21°	1357	6	1.2	-21	11.1	8.3	1 v
38	-21°	1356	6	1.1	-21	31.0	8.5	1 v
39	-21°	1353	6	0.8	-21	47.9	6.1	1 v
40	-20°	1294	6	2.6	-20	51.0	9.1	1 v
41	-20°	1299	6	3.1	-20	54.0	8.8	1 v
42	-20°	1302	6	3.3	-20	46.7	9.0	1 v
43	-20°	1303	6	3.5	-20	28.4	8.0	1 v
44	-20°	1307	6	4.4	-20	21.9	9.1	1 v
45	-20°	1308	6	4.4	-20	19.1	8.5	1 v - 20° 1310 Superposed a magn. 8.7
46	-20°	1313	6	4.6	-20	46.7	9.0	1 v
47	-20°	1316	6	5.1	-20	44.7	8.7	1 v
48	-20°	1319	6	5.6	-20	28.2	9.0	1 v
49	-20°	1326	6	7.1	-20	36.8	8.7	1 v
50	-20°	1336	6	8.9	-20	13.5	6.3	1 v
51	-20°	1339	6	9.4	-20	9.2	8.2	1 v
52	-20°	1345	6	10.4	-20	9.4	8.0	1 v
53	-20°	1347	6	10.4	-20	35.3	8.3	1 v
54	-19°	1399	6	9.3	-19	45.3	8.2	1 v

Cards un a de ont

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Tuesday, Dec. 17, 1912.

B 1966 short disp.

No.	Int.	Class	Remark
55	1	g^5	
56	2	Ma	
57	6	B9	
58	4	A_3	
59	8	g^5	
60	4	g^0	
61	5	A_2	
62	56	A_0	
63	6	A_0	
64	9	g^5	
65	7	B9	
66	3	A_0	66 = the following. Another star superposed - of same class. ~~The~~
67	7	B9	
68	2	g^5	
69	3	g^0	
70	2	A	
71	3	F0	
72	4	A_0	
73	2	A_2	
74	4	g^5	
75	2	g^5	
76	7	A_0	
77	8	g^0	
78	1	K	
79	4	g^5	
80	4	A_3	
81	8	g^5	

55	-19°	1394	6	8.5	-19	41.0	8.7	∧ ∨
56	-19°	1391	6	8.0	-19	29.4	8.0	∧ ∨
57	-19°	1398	6	9.3	-19	26.8	7.8	∧ ∨
58	-19°	1400	6	10.1	-19	18.4	8.3	∧ ∨
59	-18°	1352	6	9.0	-18	25.9	8.2	∧ ∨
60	-18°	1365	6	10.6	-18	33.6	7.7	∧ ∨
61	-22°	1342	6	6.4	-22	20.9	8.5	∧ ∨
62	-22°	1343	6	6.5	-22	31.5	8.5	∧ ∨
63	-23°	3575	6	8.5	-23	19.4	8.5	∧ ∨
64	-23°	3577	6	8.6	-23	50.0	7.1	∧ ∨
65	-23°	3582	6	6.3	-23	45.3	8.3	∧ ∨
66	-23°	3514	6	5.4	-23	10.1	9.0	∧ ∨ magn. 9.3 -23° 3510 superposed
67	-22°	1336	6	5.1	-22	48.2	8.7	∧ ∨
68	-22°	1337	6	5.6	-22	52.2	9.1	∧ ∨
69	-22°	1339	6	5.7	-22	46.4	9.2	∧ ∨
70	-22°	1347	6	7.3	-22	30.8	9.2	∧ ∨
71	-22°	1354	6	8.5	-22	10.8	8.4	∧ ∨
72	-22°	1356	6	9.6	-22	8.7	8.7	∧ ∨
73	-21°	1406	6	9.9	-21	49.2	9.1	∧ ∨
74	-21°	1410	6	11.2	-21	41.6	8.5	∧ ∨
75	-21°	1411	6	11.5	-21	43.3	8.9	∧ ∨
76	-22°	1365	6	11.0	-22	19.4	8.0	∧ ∨
77	-22°	1364	6	11.0	-22	39.4	4.0	∧ ∨
78	-22°	1358	6	9.9	-22	42.2	9.0	∧ ∨
79	-23°	3624	6	10.8	-23	6.9	9.0	∧ ∨
80	-23°	3591	6	9.4	-23	41.3	8.6	∧ ∨
81	-24°	3862	6	12.0	-24	1.5	7.5	∧ ∨

cards made out

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Tuesday, Dec. 17, 1912.
B 1246 chart disp.

No.	Int.	Class	Remark
82	2	g_5	
83	6	A_2	
84	3	f_0	
85	7	A_5	
86	8	g_0	
87	1	g	
88	4	A_2	
89	7	f_2	
90	7	A_0	
91	3	g_2	
92	2	A_2	
93	7	B8	
94	3	A_0	
95	3	g	
96	2	g_5	
Time 11.33 97	3	g_5	
98			
99			
100			
✓ 98	4	A_0	
✓ 99	2	A_2	
✓ 100	1	K_5	Purity esp. in 101
✓ 101	3	A_0	

82	−23°	3651	6	12.0	−23	55.4	9.3	∧ ∨	
83	−23°	3660	6	12.4	−23	30.1	8.4	∧ ∨	
84	−23°	3696	6	13.9	−23	29.7	8.1	∧ ∨	
85	−23°	3718	6	14.9	−23	2.8	7.9	∧ ∨	
86	−23°	3729	6	15.4	−23	36.0	7.3	∧ ∨	
87	−22°	1381	6	13.7	−22	37.1	8.9	∧ ∨	
88	−22°	1378	6	13.8	−22	17.8	8.7	∧ ∨	
89	−22°	1379	6	13.5	−22	2.6	7.2	∧ ∨	
90	−21°	1418	6	12.8	−21	58.8	8.1	∧ ∨	
91	−23°	3716	6	14.8	−23	43.0	8.5	∧ ∨	
92	−24°	3922	6	14.7	−24	4.1	9.3	∧ ∨	
93	−24°	3935	6	15.6	−24	14.6	7.4	∧ ∨	
94	−24°	3943	6	16.1	−24	11.6	9.0	∧ ∨	
95	−24°	3942	6	16.1	−24	27.5	8.8	∧ ∨	
96	−24°	3897	6	13.4	−24	14.6	8.5	∧ ∨	
97	−24°	3893	6	13.3	−24	16.8	8.4	∧ ∨	
98									

Identified by AMC. Dec. 31, 1912
Checked Jan. 4, 1913 D.F.W
cards made out by M. C. W.
Cards checked by E.C.P.

✓ 98	−24°	4005	6	19.7	−24	45	8.4	182 on B2055	
✓ 99	−25°	3223	6	21.2	−25	3	9.0	183	" "
✓ 100	−22°	1411	6	20.5	−22	35	9.1	176	" "
✓ 101	−22°	1412	6	20.6	−22	32	9.5	177	" "

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Wednesday December 18, 1912 Cont from Bott. 38, 56

A few stars added. I 37 42 8

Time

No.	Int. ~~Exp~~	Class ~~Qual~~	Remarks
105	1	Ko	
106	2	Ko	
107	1	Ao	
108	1	Fo	The southern of a cluster.
109	1	P	Southern of 5007, 4959, 4347, H8 Bright.
110	2	Ao	
111	2	A3	
112	1	Ma	
113	1	M	
114	2	Fo	

115 1 A superposed on 116

116 1 A

105	+45°	1209	5	47.3	+45	5.3	8.4	✓
106	+45°	1212	5	48.2	+45	49.3	7.8	✓
107	+47°	1220	5	47.5	+47	23.1	8.8	✓
108	+46°	1070	5	46.0	+46	36.3	8.8	✓
~~109~~	~~+46° 1067~~	~~1068~~	~~5~~	~~46.6~~	~~+46~~	~~5~~	~~9.5~~	* ✓
109	+46°	1068	5	46.7	+46	11.0	9.2	✓ Curious.
110	+45°	1191	5	43.1	+45	44.0	8.5	✓
111	+45°	1186	5	42.4	+45	21.1	9.1	+45° 1187 Superposed mean. 8.9
112	+47°	1200	5	39.7	+47	25.4	8.2	✓
113	+47°	1198	5	39.3	+47	14.6	8.8	✓
114	+47°	1196	5	38.6	+47	48.6	8.4	✓

Identified by AMS. Dec. 26, 1912

Checked by J.E.M. Feb. 27, 1913.

cards made out by M.C.W.

* This is the corrected pos. of +46°1067 according to note in gas. neb. list published in Vol. LVI, No. VI, p. 176.

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Thursday. June 2. 1913.
B12390 short disp.

Term: 11.18

No	Int.	Class	Remarks
1	6	F	E.
2	3	F5	
3	2	A	
4	2	F8	
5	2	K2	
6	2	F2	
7	2	G	
8	3	G5	
9	B4	F2	
10	2	A0	
11	1	G	
12	4	A2	
13	2	A	
14	2	K0	
15	1	K	
16	7	A2	
17	2	K2	
18	3	A3	
19	2	K5	
20	3	M	
21	2	K2	
22	3	A5	
23	2	G	
24	2	F8	
25	2	K0	
26	2	K2	
27	2	K2	

1	-1°	619	4	13.2	-1	39.0	7.5
2	-1°	632	4	16.2	-1	55.5	8.9
3	-0°	697	4	17.3	-0	40.8	9.0
4	-0°	696	4	16.8	-0	5.0	8.7
5	+0°	754	4	18.6	+0	20.3	9.0
6	+0°	757	4	19.3	+0	4.3	9.0
7	+0°	762	4	20.6	+0	3.3	9.0
8	+0°	764	4	21.1	+0	26.2	9.3
9	+0°	770	4	22.4	+0	22.2	9.0
10	-0°	707	4	22.6	-0	27.8	9.0
11	-0°	708	4	22.8	-0	28.5	9.0
12	-1°	653	4	22.4	-1	14.9	9.2
13	-1°	656	4	23.2	-1	9.4	9.3
14	-1°	659	4	23.9	-1	9.1	8.8
15	-0°	712	4	24.3	-0	59.9	8.7
16	-0°	716	4	25.6	-0	28.6	8.5
17	-0°	717	4	25.7	-0	22.3	8.8
18	+0°	787	4	26.3	+0	2.2	8.7
19	-0°	724	4	27.5	-0	37.1	8.5
20	-0°	726	4	27.6	-0	37.4	8.8
21	-0°	730	4	29.5	-0	24.5	8.3
22	-0°	732	4	29.9	-0	1.1	8.4
23	+0°	797	4	29.2	+0	35.4	9.0
24	+0°	799	4	29.9	+0	56.6	8.9
25	-0°	733	4	30.4	-0	29.9	8.5
26	-1°	686	4	31.4	-1	10.1	8.8
27	+0°	811	4	31.7	+0	1.4	8.8

Cards made out

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Thursday January 2, 1913.
B 12340 slant disp

No.	Int	Class	Remark
28	3	J5	
29	2	F5	E.
30	2	G5	
31	4	F0	
32	1	K0	
33	3	K0	
34	2	K5	
35	3	K0	
36	2	Ma	
37	3	G0	
38	2	K2	
39	3	A0	
40	2	K0	
41	2	G0	
42	2	K2	
43	1	K0	
44	1	G	
45	2	G0	
46	2	K2	
47	2	A5	
48	1	K0	
49	2	A	
50	2	K5	
51	2	G0	
52	3	K0	
53	3	A2	
54	1	K0	

28	-0°	77.4	4	40.9	- 0	38.8	8.3 ✓
29	-2°	88.7	4	16.2	- 2	49.7	8.8 ✓
30	-3°	77.0	4	17.7	- 3	1.1	8.8 ✓
31	-4°	83.1	4	19.4	-4	5.4	8.0 ✓
32	-3°	77.8	4	19.7	- 3	27.2	8.6 ✓
33	-3°	78.0	4	19.9	- 3	31.3	8.3 ✓
34	-3°	77.5	4	19.6	- 3	14.2	8.8 ✓
35	-2°	90.4	4	19.6	- 2	29.6	8.5 ✓
36	-2°	90.6	4	20.1	- 2	20.9	8.6 ✓
37	-3°	89.5	4	22.8	- 3	22.8	8.9 ✓
38	-3°	81.1	4	26.1	- 3	18.7	8.7 ✓
39	-3°	81.8	4	26.7	- 3	22.6	9.0 ✓
40	-2°	90.9	4	26.4	- 2	45.6	8.9 ✓
41	-2°	91.8	4	22.5	- 2	48.1	9.1 ✓
42	-2°	92.9	4	24.7	- 2	14.0	8.9 ✓
43	-1°	67.1	4	27.2	- 1	16.3	8.5 ✓
44	-1°	67.3	4	28.1	- 1	39.1	9.0 ✓
45	+0°	78.1	4	26.0	+0	48.2	9.2 ✓
46	+1°	76.5	4	24.8	+1	12.8	9.0 ✓
47	+1°	76.9	4	26.4	+1	22.1	9.2 ✓
48	+1°	76.8	4	26.3	+1	29.7	9.1 ✓
49	-0°	78.7	4	43.6	- 0	5.8	8.5 ✓
50	+1°	82.6	4	43.0	+1	16.6	8.8 ✓
51	+0°	84.2	4	38.8	+0	57.6	9.2 ✓
52	-0°	79.2	4	48.7	- 0	18.8	8.5 ✓
53	-0°	79.3	4	45.4	- 0	7.7	8.4 ✓
54	+0°	86.1	4	41.3	+0	29.2	8.7 ✓

Cards made out

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	No.	Int	Class	Remark
	55	1	Ko	
Time 11.49	56	2	A2	
	57			
	57	2	A3	
	58	2	Go	
	59	~~3~~ 3	A2	
	60	2	F5	

	55	+0°	8.58	4	41.1	+0	33.2	8.7	✓
	56	-0°	7.50	4	34.4	-0	14.9	9.3	✓

Identified by A.M.C. Jan. 10, 1913
Checked by E. J. B. W. Jan. 10, 1913
cards made out by Mr. C. W.
Cards checked by E.R.B.

✓	57	-5°	9.56	4	27.2	-5	4	9.0	12 m B12645
✓	58	-5	9.57	4	27.6	-5	45	8.9	29 " "
✓	59	-6	9.53	4	31.3	-6	11	8.5	68 " "
✓	60	-6	9.35	4	26.8	-6	49	9.0	18 " "

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Cont. from 162 I 38161 Long

No.	Dist.	Class	Remark
✓41	10	A0	
✓42	2	A0	
✓43	2	B9	
✓44	1	A	
✓45	7	B5	
✓46	2	G5	
✓47	1	G5	
✓48	2	A2	
✓49	2	K0	
✓50	3	K0	
✓51	2	K5	
✓52	3	A	
~~53~~			
~~54~~			
53	2	G5	Pardy sup. on +26° 775 mags 7.2
54	2	K0	
55	5	A0	
56	3	A2	
57	1	A0	

41	+29°	869	5	12.0	+29	25.4	6.0 ✓			
42	+29°	860	5	9.6	+29	33.3	8.7 ✓			
43	+~~29~~ 31°	898	5	5.6	+~~29~~ 31	33.7	8.2			
44	+31°	894	5	5.2	+31	31.5	8.5 ✓			
45	+26°	783	4	56.9	+26	13.4	6.5 ✓			
46	+24°	772	5	1.9	+24	57.0	8.3 ✓			
47	+24°	753	4	58.8	+24	37.0	9.0 ✓			
48	+24°	750	4	58.1	+24	14.4	8.8 ✓			
49	+23°	833	4	56.0	+23	48.7	8.5 ✓			
50	+23°	830	4	55.8	+23	26.8	8.5 ✓			
51	+23°	828	4	55.6	+23	19.0	8.0 ✓			
52	+23°	815	4	54.5	+23	36.5	8.7 ✓			
53										

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Compared by G. R. B.

✓	53 +26°	776	4	52.8	+26	26	8.7		~~on I 37387~~	
✓	54 +26°	750	4	39.4	+26	43	7.8	18	on I 37387	
✓	55 +25°	731	4	37.3	+25	46	7.5	19	"	"
✓	56 +27°	694	4	37.5	+27	39	8.3	20	"	"
✓	57 +29°	738	4	38.2	+29	4	8.8	59	"	"

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