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1917phat..proj..22l9c

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This book was examined for additional stars by M.A.H. July 9, 1917

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May 5, 1917

[illegible] 78 44 mk. from 46, 46

161	3	F0
162	2	A0
163	2	F5
164	1	K5
165	2	G5
166	2	K0

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161	+38°	3075	18	1.0	+39	0	7.6	93 on 37871
162	+39°	3330	18	3.9	+39	3	8.0	97 " "
163	+40°	3270	17	58.9	+40	31	8.3	←
164	+40	3272	17	59.2	+40	30	7.7	Also see 36757 Quad
165	+46	2441	18	8.1	+46	42	8.0	
166	+42	3024	18	8.4	+42	46	8.0	

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May 5, 1917
D 37871 Reagan

- 21 G5
- 23 K0
- 32 A or F
- 72 Perhaps A0
- 106 K0
- 124 G0
- 125 F8
- 139 K0

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Monday, May 7, 1917

B44163 Eng.

1	7	Ap	
2	5	Fb	
3	7	Ko	
4	6	Go	Lines sharp, enhanced lines sharp

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~	1	−5°	H560	17	55.0	− 5	21	7.0 5 on B39390.
~	2	−5°	H543	17	51.4	− 5	2	7.3 11 " "
✓	3	−4°	H395	17	58.5	− 4	46	6.0 127 " B38110
	4							

J. Oplumb.

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1917phae.proj.2219C

May 7, 1917

B40731 Reinmuth

77 B Confirmed on B1373 9.5 + 13.0

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Tuesday May 8, 1917

B 14619 cont. from 12, 30

102	6	B3
103	3	B
104	3	K2

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1917phae..proj..2219C

✓	102	−16°	4907	18	22.6	−16	40	8.5	79 on B24169
✓	103	−17°	5167	18	14.4	−17	31	9.1	101 " "
✓	104	−19°	5057	18	23.9	−19	34	8.7	294 " B40616

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1917phae.proj.2219C

Thursday, May 10, 1917

B3810T cmt for S-1, 18K

179	7	B9	
180	10	K	
181	4	F8	Star slightly out of focus, probably class A
182	4	G5	
183	2	F	

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1917phae.proj.2219C

✓	179	~~179~~ ~~180~~ TF1	-22	4906	18	45.4	-22	45"	8.5	118 on B3 8063
✓	180	~~179~~	-22	4907	18	45.4	-22	55"	6.0	5"2 on B10055
✓	181		-22	4908	18	45.5	-22	5"2	8.5	120 on B 3063
✓	182		-23°	14813	18	46.7	-23	3	8.8	—
✓	183		-23°	14618	18	33.7	-23	10	9.4	231 on B40616

Identn. on cards by Mitch. May 10, 1917

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1917phae.proj.2219C

Saturday, May 12, 1917

B40711 Re. repair

153 B
209 B
378 As-
431 B
432 B
618 B

B40616 Re. repair

112 AD

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1917phae.proj.2219C

May 12, 1917
B24169 Reagan

- 127 Certainly Knocks

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1917phae.proj.2219C

Sunday May 14, 1917

D38500 cont from 70, 88

73	7	A0	
74	5	K2	
75	6	A0	4128,31 as thin as K
76	2	K0	
77	2	A0	
78	3	A2	
79	1	A0	
80	2	A0	
81	1	K5	
82	2	G5	
83	1	K2	
84	1	F1	
85	1	K2	
86	4	K0	
87	1	K5	
88	2	G0	

D38500 Re-upon

5	K5	
18	A	~~Probably~~ peculiar hazy narrow lines. or possibly B 5-8.
89	3	K0

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1917phae.proj.2219C

73	+38°	3159	18	18.9	+38	17	7.0 96 on 37828
74	+38°	3160	18	19.1	+38	41	6.5 97 " "
75	+38°	3166	18	20.5	+38	22	7.5 98 on 37828
76	+39 +38°	3403 3166	18	18.3 20.5	+38 9	21 7	7.5 8 98 on 37828
77	+37°	3120	18	21.9	+37	22	7.9 99 " "
78	+37°	3156	18	27.9	+37	20	7.8 93 " "
79	+36°	3170	18	27.4	+36	34	8.3 92 " "
80	+36°	3190	18	29.5	+36	13	8.0 94 " "
81	+37°	3193	18	34.6	+37	24	7.7
82	+38°	3237	18	32.0	+38	24	7.8
83	+37°	3178	18	32.0	+37	18	8.0
84	+39°	3539	18	44.1	+39	54	7.9

Nos 75, 81–84 Identr. on cards by M.A.H. May 15, 1917
Nos. " " " in book " G.M.C. "

85	+41	3165	18	41.2	+41	33	7.3 3 on 37388
86	+41	3164					8.0 1 " "
87	+38	3157	18	1831.0	+38	14	7.7
88	+37	3173	18	30.7	+37	33	8.0

89	+41°	3028	18	11.3	+41	56	8.2 44m 37844

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1917phae.proj.2219C

May 14, 1917
D 38480 ent. fm 83, 192

27	4	K2
28	4	G0
29	3	A2
30	6	G0
31	1	F8
32	1	F8
33	3	K2

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1917phae.proj.2219c

✓	27 +30°	3138 18	3.7 +30	26	7.2	1 on 37828
✓	28 +29°	3190 18	3.8 +29	56	7.2	2 " "
✓	29 +29°	3199 18	5.8 +29	39	7.7	10 " "
✓	30 +29°	3213 18	9.1 +29	11	7.0	9 " "
✓	31 +28°	2955 18	7.3 + 28	13	8.2	
✓	32 +28°	2956 18	7.3 + 28	12	8.2	276 on 03780 6
✓	33 + 30	3144 18	5.9 + 30	6	7.9	

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1917phae.proj.2219C

Tuesday, May 15, 1917

D 3 80446 R. Cenh. from 59,130

52	6	A0
53	3	G0
54	2	G0
55	7	A5
56	2	K0
57	6	A5
58	6	K0
59	5	F0
60	3	F0

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1917phae.proj.2219c

52	+75°	655	18	8.2	+75	46	6.5	52 on 937240
53	+78°	632	18	24.8	+78	59	7.7	86 " "
54	+79°	579	18	23.0	+79	20	8.3	85 " "
55	+79	604	18	18.8	+79	46	6.5	5 on 937284
56	+77	717	19	12.5	+77	11	8.5	27 on 937261
57	+79	590a						1 on 937284
58	+79	587						87 on 937260
59	+73	845						53 on 937224
60	+73	848						54 " "

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1917phae.proj.2219C

May 15, 1917

d 37 2 40 R. Mem

- 37 g_5-
- 38 g_0

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1917phae.proj.2219C

May 15, 1917
I 20915- Comp.

	1	7	Fe	Sp. Comp.
	2	3	a_0	
✓	3	2	a_3	
✓	4	2	Fe	
	5	3	Bg	
	6	4	$a_0 f$	4077.9 Strong. K very pl.
	7	5	Fd	
	8	5	K_0	
	9	3	mb	

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✓	1	+16	3390	18	3.7	+16	27	6.0	69 on J37859
✓	2	+19°	3552	18	5.9	+19	4	8.0	86 on J37806
	3	+18°	3580	18	4.2	+18	16	7.7	✓
	4	+18°	3593	18	6.7	+18	38	8.4	✓
✓	√	+18°	3684	18	19.9	+18	47	7.8	49 on J37806

Nos. 3 + 4 identr. on cards by G.M.C. May 16, 1917
" " " in book by M.G.H.

✓	6	+19	3594	18	13.5	+19	7	7.8	61 on J37806
✓	7	+18	3734						16 " "
✓	8	+18	3728						17 " "
✓	9	+17	3570						84 on J37901

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1917phae.proj.2219C

Wednesday, May 16, 1917

1 3 & 4 5 6 cont. from 8 3, '16

53	2	A0
54	3	F0
55	2	K0
56	8	B3
57	6	A0
58	5	B9
59	6	B5
60	4	B9
61	4	A0
62	2	A0
63	1	Ma
64	1	A	+30°3250 suspected
65	2	A0
66	3	A2
67	4	A0
68	3	A0
69	1	K5
70	1	K0
71	6	A0
72	7	B9
73	5	K0
74	5	F0

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1917phae.proj.2219c

✓	53	+25°	3594	18	33.7	+25	45	8.5	225 on 237806
✓	54	+26°	3319	18	33.7	+26	28	7.7	226 " "
✓	55	+27°	3053	18	30.0	+27	6	8.0	227 " "
✓	56	+26°	3259	18	20.9	+26	22	6.1	238 " "
✓	57	+28°	3037	18	32.3	+28	30	7.0	123 " 237848
✓	58	+28°	3063	18	37.1	+28	10	7.3	126 " "
✓	59	+30°	3227	18	27.9	+30	47	7.5	59 " 237845
✓	60	+32	3236	18	28.6	+30	25	8.5	3 " "
✓	61	+29	3293	18	29.1	+29	52	7.7	5 " "
✓	62	+29°	3295	18	30.1	+29	59	8.5	6 " "
✓	63	+30°	3255	18	33.1	+30	20	7.4	14 " "
✓	64	+30°	3253	18	33.0	+30	38	8.9	13 " "
✓	65	+30°	3281	18	38.2	+30	16	8.0	23 " "
✓	66	+27°	3080	18	35.6	+27	47	8.0	124 " 237848
✓	67	+27°	3085	18	36.7	+27	59	7.5	125 " "
✓	68	+25°	3623	18	40.7	+25	23	8.0	130 " "
✓	69	+24°	3499	18	36.1	+24	53	8.2	74 " "
✓	70	+24°	3489	18	33.9	+24	52	8.2	✓
✓	71	+28	3021						257 on 237846
✓	72	+28	3013						260 " "
✓	73	+29	3291						4 on 237845
	74	+27	3095						127 " 237848

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May 16, 1917
137806 Re-exam

✓	131	Ko
✓	133	G5
✓	147	G0
✓	209	Ko

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1917phae..proj..22l9c

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1917phae.proj.2219C

Saturday May 19, 1917

D385-11 cont. from 128, 166

68	2	A0	
69	2	K0	
70	7	A0	
71	8	A0	
72	8	K0	
73	9	A0	
74	4	K5-	
75-	6	A0	
76	5	B5-	
77	3	B9	
78	2	G8	
79	2	K0	
80	2	A0	
81	2	A2	
82	9	G0	Composite
		A3	
83	5	A2	
84	2	F5	
85	1	G5	
86	2	K2	

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	68	+21°	3736	19	14.2	+21	31	8.1	20 m 937829
✓	69	+21°	3739	19	14.6	+21	32	8.0	19 " "
✓	70	+19°	4000	19	17.5	+19	59	6.5	24 " "
✓	71	+19°	4009	19	19.1	+20	0	6.6	28 " "
✓	72	+19°	4010	19	19.1	+19	31	5.0	27 " "
✓	73	+19°	4015	19	19.9	+19	49	6.1	29 " "
✓	74	+19°	4017	19	20.1	+19	36	6.2	30 " "
✓	75	+19°	4019	19	20.2	+19	58	6.6	31 " "
✓	76	+25°	3786	19	12.5	+25	48	7.2	107 " "
✓	77	+22°	3644	19	11.0	+22	10	8.0	4 " "
✓	78	+20°	4038	18	58.7	+20	25	8.2	1 " 938523
✓	79	+21°	3657	18	58.8	+21	1	7.7	2 " "
✓	80	+24°	3668	19	53	+24	55	8.5	20 " "
✓	81	+19°	3978	19	13.7	+19	7	8.6	25 " "
✓	82	+22	3524	18	48.6	+22	28	5.0	21 " 937848
✓	83								160 m 937202
✓	84	~~+18~~	~~4020~~	~~19~~	~~11.2~~				162 " "
✓	85	+18	4020	19	11.2	+18	54	8.0	
✓	86	+21	3674	19	2.0	+21	33	7.7	

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1917phae.proj.2219C

May 19, 1917
I 38509 cont. from 70, 106

104	3	a0	
105	6	K0 a0	Composite.
106	1	K5	
107	2	a2	
108	2	a	
109	K0 a0	(4)	Spectrum composite
110	2	B8	"
111	1	a	"
112	1	F1	"
113	7	F0	
114	1	K2	

cont. 145⁻ 28, where no. of stars should be 115⁻.

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1917phae.proj.2219c

~	104	+27°	3480	19	36.9	+27	16	8.2	155 on 37829
~	105	+26°	3654	19	38.0	+26	48	6.8	158 " "
~	106	+24°	3750	19	21.5	+24	15	8.2	127 on 37829
✓	107	+29°	3655	19	29.7	+29	44	8.3	43 on I37885
✓	108	+30°	3690	19	35.6	+30	19	8.8	54 " "
✓	109	+30°	3692	19	35.6	+30	23	7.5	55 " "
✓	110	+32°	3486	19	30.0	+32	4	8.2	136 " "
✓	111	+32°	3438	19	22.1	+32	20	8.7	112 " "
✓	112	+32°	3434	19	21.1	+32	3	8.0	113 " "
✓	113	+28	3447						57 " "
✓	114	+28	3257	19	9.2	+28	9	8.0	

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1917phae.proj.2219C

Monday, May 21, 1917

D 3850 cent. for 70, 98

51	4	A0	
52	5	Ma	
53	8	B3	
54	2	A2	
55	3	A2	
56	2	A0	
57	7	B8	
58	7	F8p	Narrow lines. Like δ Can Maj.
59	5	B8	
60	7	B9	
61	1	K5	Leo dlas D 3513-64 short

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1917phae.proj.22196

✓	51 +30°	3479	19	8.7	+30	6	7.8	8	on I37885
✓	52+30°	3491	19	9.8	+30	16	5.8	7	" "
✓	53+33°	3409	19	13.6	+33	8	6.8	86	" "
✓	54+31°	3567	19	17.1	+31	28	8.2	18	" "
✓	55+30°	3578	19	21.7	+30	8	8.1	29	" "
✓	56 +30°	3589	19	23.5	+30	0	8.3	30	" "
✓	57 +27	3379	19	18.6	+27	48	7.0	14 on I3857	
✓	58 +27	3314	19	10.2	+27	40	6.2	4 " "	
✓	59 +28	3153						149 on I37848	
✓	60 +30	3442						96 on I38745	
✓	61 + 32	3321	19	0.9	+32	5.5	8.0		

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May 21, 1917
D 3 & 5 -20 cont. from 70, 134

77	7	Ao
78	2	Ao
79	2	A2
80	6	Ao
81	4	B9
82	3	A3
83	6	G5
84	3	Ao
85	1	Ao
86	2	Ao
87	6	Ao
88	7	B2
89	4	A2
90	5	Ao
91	2	A2 Cmps. the K sp. may be hydrogen around
92	3	Ao
93	6	Ao
94	2	Ao
95	6	G5
96	2	Ko
97	6	G5
98	5	B9
99	2	Ko
100	2	A2
101	2	Ko
102	5	Ao

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1917phae..proj..2219C

✓	77	+35°	3523	19	7.2	+35	56	6.8 155	on I37885
	78	+36°	3446	19	7.9	+36	6	8.4 ✓	
✓	79	+36°	3456	19	8.5	+36	4	8.2 158	on I37885
✓	80	+36°	3458	19	8.7	+36	10	6.9 159	" "
✓	81	+35°	3534	19	9.4	+35	55	7.8 160	" "
✓	82	+35°	3552	19	12.0	+35	43	8.2 166	" "
✓	83	+37°	3417	19	14.6	+37	4	6.2 164	" "
✓	84	+36°	3543	19	19.4	+36	55	7.8 168	" "
✓	85	+36°	3545	19	19.5	+36	51	8.1 169	" "
✓	86	+36°	3549	19	20.0	+36	50	8.4 170	" "
✓	87	+36°	3566	19	22.5	+36	14	7.3 178	" "
✓	88	+37°	3465	19	22.5	+37	39	6.4 213	" "
✓	89	+38°	3632	19	26.2	+38	6	7.5 214	" "
✓	90	+37°	3394	19	10.7	+37	3	7.5 161	" "
✓	91	+35°	3573	19	14.6	+35	16	7.3 90	" "
✓	92	+39°	3781	19	24.1	+39	38	8.4 91	" "
✓	93	+39°	3767	19	21.8	+39	40	6.7 89	on I37348
✓	94	+39°	3766	19	21.6	+39	51	7.7 88	" "
✓	95	+39°	3777	19	23.7	+39	38	7.0 90	" "
✓	96	+40°	3706	19	19.6	+40	2	8.2 82	" "
✓	97	+39°	3731	19	15.6	+39	39	6.5 77	" "
✓	98	+39°	3699	19	10.5	+39	52	7.8 62	" "
✓	99	+40°	3635	19	9.3	+40	19	8.0 59	" "
✓	100	+39°	3633	19	0.3	+39	54	8.1 34	" "
	101	+39°	3595	18	53.6	+39	35	6.7 ✓	
✓	102	+39°	3593	18	53.4	+39	27	6.8 8	on I37348

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1917phae.proj.2219C

May 21, 1917
I3 f. 20' cmb

103	7	A2
104	8	K0
105	5	F5
106	4	mb
107	2	F0
108	8	B9
109	9	B3
110	1	K5
111	3	G0
112	.7	B5
113	2	A3
114	3	A5
115	7'	K5
116	1	K0
117	2	K2

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1917phae.proj.2219C

✓	103	+39°	3580	18	50.7	+~~39~~ 40	0	6.7	7	on I 37348
✓	104	+41°	3177	18	50.2	+41	25	5.5	6	" "
✓	105	+41°	3174	18	49.5	+41	3	7.1	5	" "
✓	106	+40°	3512	18	48.6	+40	49	6.8	4	" "
	107	+40°	3519	18	49.2	+40	8	7.8 ✓		
✓	108	+41°	3136	18	47.5	+41	13	6.5	2	on I 37348
✓	109	+41°	3232	19	1.6	+41	12	6.3	39	" "

Nos. 78, 101, and 109 ident. on cards by A.M.C. May 24, 1917
" " " " in book " M.A.H. " 25, 1917
" " " " 107 compared by E.C.S. " 28, 1917

	110	+39°	3668	19	6.1	+39	38	7.8		
✓	111	+37	3273	18	46.7	+37	49	7.9	206	on I 37845
✓	112	+39	3602						208	" "
✓	113	+35	3528						156	on I 37855
✓	114	+35	3504						182	on "

✓	115	+38	3430	19	0.9	+38	~~55~~ 54	8.2	Identified by L.D.M.
✓	116	+38	3423	18	~~59~~.8	+38	41	8.3	on I 37242
✓	117	+40	3717	19	21.1	+40	54	7.6	

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1917phae.proj.2219C

Tuesday May 22, 1917

Denning 83, 172

63	5	A0
64	8	A0
65	2	A0
66	9	K0
67	4	A2
68	6	B8
69	3	B9
70	1	A0
71	1	A0
72	2	A2
73	2	B9
74	9	B9
75	7	B8
76	3	A0
77	2	B5
78	3	A2
79	10	B9
80	1	K5
81	1	B8
82	3	K2
83	3	A0
84	7	A0
85	3	A0
86	5	B8
87	5	B9
88	8	B
89	1	K5
90	2	K0

cmt. 146. 24

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1917phae.proj.22119C

✓	63	+35° 3826	19	45.0	+35	44	7.5	211 on 937885 127 " 937891
✓	64	+35° 3786 3787	19	40.3	+35	45 44	7.0 8.0	206 " 937885
✓	65	+35° 3764	19	37.7	+35	8	8.1	205 " "
✓	66	+37° 3586	19	39.0	+37	1	5.4	224 " "
✓	67	+37° 3584	19	38.9	+37	40	7.8	223 " "
✓	68	+37° 3582	19	38.7	+37	59	7.5	222 " "
✓	69	+38° 3711	19	36.3	+38	8	7.9	220 " "
✓	70	+36° 3648	19	33.5	+37	0	8.6	231 " "
✓	71	+36° 3644	19	33.2	+36	33	8.7	232 " "
✓	72	+36° 3629	19	31.3	+36	19	8.8	233 " "
✓	73	+35° 3708	19	31.6	+35	59	8.7	234 " "
✓	74	+36° 3619	19	30.6	+36	37	6.0	217 " "
✓	75	+38° 3677	19	31.9	+38	4	6.5	218 " "
✓	76	+37° 3495	19	26.7	+37	43	8.0	215 " "
✓	77	+36° 3572	19	23.4	+36	29	8.1	236 " "
✓	78	+36° 3709	19	43.0	+36	48	7.6	229 " "
✓	79	+38° 3758	19	42.3	+38	3	6.1	225 " "
✓	80	+34° 3648	19	33.8	+34	37	8.0	198 " "
✓	81	+34° 3572	19	23.8	+34	54	8.5	181 " "
✓	82	+39° 3675	19	7.0	+39	42	7.2	56 " 937348
✓	83	+39° 3676	19	7.0	+39	46	8.0	55 " "
✓	84	+40° 3856	19	38.0	+40	23	6.7	31 " 937349
✓	85	+39° 3881	19	37.6	+39	42	8.2	34 " "
✓	86	+40° 3870	19	40.9	+40	13	7.7	37 " "
✓	87	+39° 3905	19	40.9	+39	32	7.3	38 " "
✓	88	+40° 3902	19	45.6	+40	14	6.5	41 " "
	89	+36° 3439	19	7.1	+36	23	7.8	
	90	+41° 3377	19	28.5	+41	29	7.8	15 " 937349

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1917phae.proj.2219C

May 22, 1917
D 32263 shunt

1	3	K0
2	3	G0
3	3	K5

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1917phae.proj.2219C

1 +43° 3152
2 +43° 3151
3 +40° 3526 18 51.0 +40 1 8.5

{ 122 m 37348

Card mailed out Mar. 6, 1918

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1917phae.proj.2219C

May 22, 917

I 3 7 8 8 4 cnt. ~~85~~, 208

22	4	a_2	Cmps.
23	7	a_0	
24	8	a_3	
25	2	K_5'	
26	4	K_5	
27	7	a_4	2
28	1	K_2	

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1917phae.proj.2219C

22	+49°2871	18	43.8	+49	16	7.0	234m	d3734f
23	+48° 2767	18	43.9	+48	55	6.3	235 "	"
24	+48°2770	18	44.4	+48	36	6.0	236 "	"
25	+49°2898	18	53.4	+49	41	1	285 "	"
26	+49°2929	19	1.4	+49	43	6.3	263 "	"
27	+50 2734	19	x.9	+50	8	7.x	71 "	d3739g2
28	+51 2438	18	47.1	+51	x18.0			

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1917phae.proj.2219C

May 22, 17
13733 Reseau

✓ 163 Perhaps Qs

✓ 232 Qs

✓ 254 Qs Clearly emission

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1917phae.proj.2219C

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1917phae.proj.2219C

Wednesday, May 23, 1917

I 37348 cont. from 43, 142

	2897	7	a0
	2901	7	g5-
✓	2912	2	g0
✓	2924	4	f5-
	2935	5-	B9
✓	2942	2	g0
	2953	3	a0
✓	2962	2	f5-
	2973	3	a0
	2983	3	a2
	2993	3	g5-
	3002	2	a2
✓	3011	1	K
	3025	5-	K0
✓	3031	1	K

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1917phae.proj.22190

✓	289	+42°	3325	19	18.4	+42	41	6.5	1	on 937349
✓	290	+43°	3229	19	19.4	+43	6	5.6	2	" "
	291	+42°	3331	19	~~11.0~~ 19.7	+42	39	8.6 ✓		
	292	+42°	3338	19	20.8	+42	31	~~7.5~~ van. ✓		
✓	293	+41°	3352	19	22.7	+41	56	7.5	6	" 937349
	294	+44°	3121	19	19.4	+44	24	8.3 ✓		
✓	295	+44°	3123	19	19.8	+44	37	8.3	70	" 937349
	296	+45°	2893	19	20.4	+45	4	8.5 ✓		
✓	297	+47°	2802	19	13.5	+47	50	8.3	23	" 937392
✓	298	+48°	2871	19	14.4	+48	17	8.0	24	" "
✓	299	+48°	2865	19	11.9	+48	57	8.2	26	" "
✓	300	+48°	2869	19	12.9	+48	52	8.5	27	" "
	301	+48°	2870	19	13.3	+48	9	8.5 ✓		
✓	302	+49°	2977	19	14.8	+49	18	6.3	30	" 937392
	303	+48°	2876	19	15.7	+48	56	8.1 ✓		

Nos 291, 292, 294, 296, 301, 303 identd on cards by G.M.C. May 24, '17
" " " " " " " in book " " 25, '17
" " " " " compared by G.R.B. " 28, 1917

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1917phae.proj.2219C

Wednesday May 23, 1917

2 38660 long

	No.	Int.	class	
✓	1	1	G	
✓	2	1	K	
✓	3	2	G0	
✓	4	4	F8	
✓	5	2	K0	
✓	6	2	B5	
✓	7	2	B	
✓	8	2	A5	
✓	9	7	A0p	Lines 4077 and 4128-31 strong.
	10	6	F2	Lines 4077 4128 and 4131 strong
	11	3	M	
	12	5	F2	
	13	2	K5	
	14	9	A0	line 4026 strong
	15	3	K2	
	16	2	K2	
	17	5	K2	
	18	4	G5	

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1917phae.proj.22119C

1	+18°	2552	11	52.1	+18	58	8.3
2	+18°	2557	11	52.7	+18	44	8.7
3	+17°	2422	11	52.8	+17	25	8.5
4	+17°	2430	11	57.3	+17	6	7.6
5	+17°	2431	11.	58.6	+17	35	7.5
6	+18°	2564	11	57.5	+18	18	8.2
7	+19°	2530	11	59.0	+19	0	8.2
8	+18°	2568	11	59.8	+18	24	8.0
9	+17°	2469	12	14.7	+17	32	6.8

Identt on cards by A.M.C. May 23. 1917
" in book " M.A.H. " "

10	+18	2546	11	50.3	+18	17	6.5 Kl on 38229
11	+20	2664					25 " "
12	+18	2566					4 on 38260
13	+17	2439					10 " "
14	+17	2446					11 " "
15	+17	2464					28 on 33756
16	+17	2451					12 on 38260
17	+17	2454					13 " "
18	+17	2462					18 " "

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1917phae.proj.2219C

Thursday May 24, 1917

D38889 cont. from 128, 64

22	2	K_0	
23	3	a_0	
24	3+	a_0	
25	6	K_0	
26	1	K_2	
27	6	$K_2 P_5$	Hydrogen sharp Lines sharp
28	4	K_2	
29	6	P_5	

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1917phae.proj.2219C

~	22 +51°	2552 19	15.2 +51	59	8.0	127 on 737392
–	23 +53°	2219 19	15.0 +53	12:	8.1	152 " "
/	24 +53°	2220 19	15.0 +53	8	7.9	153 " "
~	25 +55°	2211 19	27.1 +55	7	6.3	7 " 737990
	26 +55°	2214 19.	27.8 +55	17	8.3 ~	
✓	27 +55°	2215 19	28.2 +55	25	6.3	6 " "
✓	28 +54°	2169 19	28.3 +54	57	6.6	8 " "
/	29 +56°	2291 19	40.7 +56	41	6.3	53 " "

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1917phae.proj.22196

Thursday May 24. 1917

J 37392 cmb. from 35, 68

	182	2	K_0
✓	183	2	K_0
✓	184	2	a
✓	185	2	a_0
✓	186	2	K_2
✓	187	1	g
✓	188	2	K_0
✓	189	1	K
✓	190	3	K_0
✓	191	1	K
✓	192	1	K
✓	193	2	g_5
✓	194	1	K
✓	195	2	g
✓	196	1	a
✓	197	1	$\mathfrak{F}$
✓	198	2	$\mathfrak{F}8$
✓	199	2	g_0
✓	200	1	K_2
✓	201	1	K
✓	202	1	K
	203	9	K_0
	204	10	B_0
	205	2	g_5
	206		

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1917phae.proj.22196

182	+49°	2947	19	6.2	+49	27	8.0	280 on D37392
183	+48°	2852	19	8.8	+48	27	8.5 ✓	
184	+47°	2782	19	8.7	+47	32	8.8 ✓	
185	+48°	2853	19	9.3	+48	54	8.5 ✓	
186	+49°	2965	19	10.4	+49	31	8.2 ✓	
187	+49°	2978	19	15.1	+49	36	8.7 ✓	
188	+48°	2876	19	15.7	+48	56	8.1 ✓	
189	+48°	2870	19	13.3	+48	9.0	8.5 ✓	
190	+49°	3009	19	22.4	+49	9	7.9 ✓	
191	approx.	1855	19	27.8	+48	46		
192	+47°	2897	19	36.5	+47	5	8.7 ✓	
193	+50°	2873	19	41.6	+50	24	8.2 ✓	
194	+50°	2889	19	43.9	+50	59	8.1 ✓	
195	+48°	2956	19	44.3	+48	52	8.5 ✓	
196	+48°	2960	19	46.1	+48	34	8.8 ✓	
197	+48°	2961	19	46.2	+48	22	8.8 ✓	
198	+48°	2966	19	46.5	+48	28	8.4 ✓	
199	+50°	2912	19	49.3	+50	41	8.1 ✓	
200	+50°	2914	19	49.8	+50	46	7.8 ✓	
201	+50°	2947	19	55.8	+50	11	8.0 ✓	
202	+50°	2952	19	56.5	+50	16	8.0 ✓	
203	+49°	3158	19	57.3	+49	42	5.1 ✓	
204	+46°	2793	19	44.6	+46	46	5.8	186 on D37349
205	+46°	2773	19	40.7	+46	17	7.8	179 " "

Ident on cards by A.M.C. May 24, 1917
" in book " M.A.H. " 25, 1917
" compared by E.R.B. " 28, 1917.

206 +48 2876 19 22.4 +48 5.3 7.6 1907 mv. 350 (3 mv Tycho)

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1917phae.proj.22190

May 24, 1917
H Vulpecu

I 14630 fl. Sp. hazy. Gr ork

I 18500 h. G5

I 36761 h. G5

I 30951 two pairs

I 36748 h. G5

I 13714 h. G0 as to hydrogen lines, G5 as to light

The hydrogen lines appear stronger in this plate, but this may be due to poor definition

No certain change found

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1917phae.proj.2219C

Saturday May 26, 1917
D 34823 Chart

1	3	B9
2	3	K2
3	1	K5

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1917phae.proj.22190

✓	1	+31° 3630	19	25.0	+31	34	8.4	q, n 13850 9
✓	2	+31.1° 3631	19	25.0	+31	40	7.5	
✓	3	+31, 3678	19	30.6	+31	12	8.0	

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1917phae.proj.2219C

Sunday May 28, 1917

~~3 8607~~ 3 8067 cont. 85, 126

78	3	a_0
79	10	K_0
80	2	g_0
81	8	F_0
82	2	f_8
83	1	g_5^-
84	2	g_5^-
85	1	g
86	5	a_3
87	5	g_5^-

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1917phae.proj.22190

c	78 +68°	1066	19	27.8 +68	21	8.7	219	on 9.37333
—	79 +69	1053	19	32.6 +69	25	5.0	222	" "
—	80 +69°	1056	19	34.7 +69	28	8.5	225	" "
—	81 +68°	1082	19	46.6 +68	4	6.4	244	" "
—	82 +64°	1378	19	41.5 +64	4	8.8	7	" "
—	83 +64°	1382	19	43.0 +64	11	8.8	10	" "
—	84 +64°	1406	20	0.6 +64	16	8.0	25	" "
—	85 +63°	1569	19	49.4 +63	37	9.3	15	" "
—	86 +65	1368					121	"
—	87 +67	1156					216	" "

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1917phae.proj.22190

May 28, 1917
D 37401 Lmf

1	1	G_0
2	1	G_5
3	3	a_0
4	6	B_9
5	1	K
6	1	a
7	1	g
8	1	g
9	3	a ε
10	2	4^5
11	1	a
12	9	K_2

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1917phae.proj.22190

–	1	+65°	1504	20	43.8	+65	59	9.0	214 on 937333
–	2	+64°	1471	20	47.4	+64	4	8.4	120 " "
	3	+63°	1676[a]	20	53.2	+63	58	8.2 ✓	
✓	4	+65°	1518	20	53.2	+65	8	7.3	215 on 937333
	5	+66°	1343	20	55.2	+66	11	7.7 ✓	
	6	+66°	1344	20	55.4	+66	18	8.7 ✓	
	7	+68°	1163	20	51.7	+68	1	8.4 ✓	
	8	+68°	1161	20	50.2	+68	28	8.4 ✓	
	9	+62°	1878	20	54.4	+62	17	8.0 ✓	
				20	44.4	+68	1	8.3 ✓	
	10	+68°	1155	Identd. on cards by M. A. Hawes June 15, 1917					
	11	+68	1153	20	44.1	+68	21	9.2 ✓	

Identd. in book by A.M.C. June 26, 1917
Identd. confirmed by G.R.C. June 28, 1917

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1917phae.proj.2219C

May 28, 1917

I 37333 Re-examination

Faint, perhaps near Action F

✓ 63

✓ 74 F2

✓ 78 A2

✓ 294 A5

I 39349 Re-exam

✓ 118 A0

✓ 183 A2

I 37235 Re-exam

✓ 152 A3

I 37845 Re-exam

✓ 115 K5

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1917phae.proj.2219C

Tuesday, May 29, 1917

B 38063 emb. from 112, 40

128 2 B9

129 2 F8

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1917phae..proj.2219C

–	128	−19°	5192	18	42.1	−19	49	9.5	503	on B 23765 23
/	129	−19°	5212	18	45.3	−19	54	9.3	+524	" "

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1917phae.proj.2219C

May 29, 1917
B 4 4 6 46 Leo

1 6 Fz
2 4 Ks

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1917phae..proj..2219C

~ 1	-7	5702	19	47.5	-7	6	6.3	155	nB	4 obs
~ 2	8	5750	19	46.3	-8	5.7	5.8	135		

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1917phae.proj.2219C

Wednesday, May 30, 1917

B 8377 Imp.

1	5	B3
2	6	90
3	4	F15
4	5	F18
5	5	F5

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1917phae..proj..2219C

~	1	−9°	5382	20	3.3	−9	16	6.5	48 on B40909
~	2	−10°	5285	20	0.6	−10	29	6.0	6 on B14149 115 " B16854
~	3	−12°	5641	19	−57.1	−12	0	6.2	112 " B16854
~	4	−10°	5238	19	51.9	−10	20	6.3	218 " B40604 229 " B40909
✓	5	−13	5608	24	4.4	−13	2	6.0	20 on B21825

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1917phae.proj.2219C

May 30, 1917
B 6230 lmy

1 5 a_2
2 7 a_3

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1917phae..proj..2219C

✓ 1	-15°	5484	19	43.5	-15	8	7.0	87 on B16854
✓ 2	-14°	5535	19	39.9	-14	3	6.4	97 " "

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1917phae.proj.2219C

Thursday, May 31, 1917

B ~~2645+5~~ .43220 comp.

1 6 a0
2 7 a2

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1917phae..proj..2219C

✓	1	−37°	13h6m	19	51.4	−37	43	7.3	30	on B 20510
✓	2	−36°	13856	19	55.3	−36	56	7.1	91	" "

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1917phae.proj.2219C

Friday, June 1, 1917

B B 6 3 6 0 Lmg.

1	5	Ko
2	5	Ko
3	6	Fe

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1917phae..proj..2219C

1	−53°	9678	19	39.2	− 53	12	7.1	151 on B19920
2	−49°	12949	19	51.2	− 49	41	6.3	100 " "
3	−55°	9317	19	57.7	− 55	22	7.2	142 " "

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1917phae.proj.22i9c

June 1, 1917

B12002 Eng.

1 7 a_2

" " 2 3 K_α

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1917phae.proj.2219C

✓	1	−41°	13807	19.	52.9	−41	10	6.6	189 on B3973
✓	2	−43°	13735	19	51.7	−43	23	6.7	111 " "

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1917phae.proj.2219C

Saturday June 2, 1917

B 36386 only

1 7 a0

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1917phae.proj.2219C

~1	-66.° 3445	19	27.5	-66	18	6.7	21 m	B20547.
	~~-13 5228~~	~~18~~	~~10.9~~	~~-12~~	~~46~~	~~6.9~~	~~36 m~~	~~B36080~~

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1917phae.proj.2219C

June 2, 1917
D 35508 cnt. from 81, 12

154	1	A	
155	1	A	
156	6	F8 p	Lines sharp. Color 5 Cam. Mag.
157	3	A0	
158	3	A0	
159	2	B8	
160	3	A0	
161	2	A0	
162	9	B	
163	2	A	
164	1	F0	
165	2	F0	
166	2	A	
167	2	G5	
168	4	B	
169	6	B2	
170	1	K2	
171	5	B1	Hβ may be bright.
172	3	A0	
173	2	A0	
174	1	A	very faint.
175	2	A	Perhaps B8
176	2	A	
177	2	B	Perhaps B0
178			
179			

cnt. fr. 94

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1917phae..proj..2219C

	154	+34°	4014	20	20.2	+34	.19	9.0	10 on 937891
-	155	+33°	3862	20	14.4	+33	29	8.5	21 " "
-	156	+36°	4105	20	25.5	+36	27	6.5	129 " "
-	157	+38°	4121	20	25.0	+38	4	8.4	317 " "
~	158	+38°	4114	20	24.2	+38	8	8.3	318 " "
~	159	+38°	4116	20	24.2	+38	28	8.8	319 " "
-	160	+36°	4072	20	21.1	+36	7	8.2	133 " "
~	161	+36°	4068	20	20.8	+36	43	8.4	350 " "
~	162	+37°	3916	20	18.3	+37	1	6.0	230 " "
~	163	+35°	4097	20	18.3	+35	37	9.0	141 " "
-	164	+36°	4027	20	16.1	+36	42	8.7	242 " "
~	165	+36°	4020	20	15.5	+36	29	8.4	241 " "
~	166	+35°	4040	20	10.4	+35	41	9.0	160 " "
~	167	+36°	3980	20	11.1	+36	30	8.2	286 " "
~	168	+37°	3860	20	11.2	+37	12	8.0	285 " "
~	169	+38°	3956	20	8.1	+38	29	7.2	256 " "
~	170	+38°	3939	20	6.2	+38	23	7.5	263 " "
~	171	+37°.	3879	20	13.5	+37	49	7.7	250 " "
~	172	+39°	4192	20	21.4	+39	1	7.2	324 " "
~	173	+39°	4176	20	20.0	+39	33	8.0	329 " "
~	174	+32	3803	20	17.0	+32	1	F.5	42 on 937891
	175	+40°	4086	20	11.1	+40	31	7.8	~
	176	+40°	4139	20	17.6	+40	15	8.3	~
	177	+40°	4150	20	18.1	+40	17	7.4	~

Nos 175, 176, 177 sent in book by A.M.C. June 5, 1917
" " " " " on cards " M.A.H. " " "

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1917phae.proj.2219C

Tuesday, June 5, 1917

D37947 cmt. from 02, 31

22	3	A0
23	2	A0
24	1	K0
25	4	A5
26	3	B
27	2	B
28	4	B5
29	7	G5
30	1	A
31	[illegible]	K5

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1917phae.proj.2219c

✓	22	+33°	3633	19	47.3	+33	49	7.7	100 on 937891
✓	23	+35°	3851	19	48.2	+35	28	8.5	121 " "
✓	24	+36°	3757	19	48.7	+36	4	8.5	120 " "
✓	25	+37°	3649	19	46.7	+37	1	8.1	125 " "
✓	26	+35°	3966	20	1.6	+35	59	8.1	186 " "
✓	27	+36°	3900	20	3.4	+36	49	8.5	300 " "
✓	28	+35	3994	20	3.8	+35	3	7.5	151 " 937890
✓	29	+36	3786	19	49.5	+36	37	6.0	119 on 937891
✓	30	+37	3657	19	~~48.2~~ 2.6	+37	~~2~~ 29	8.8	
✓	31	+37	3658	19	47.8	+37	1	8.1	

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1917phae.proj.2219C

Wednesday, June 6, 1917

B 4024 9 cmt. Jun 108, 44

183 10+ B

184 3 Ao

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1917phae.proj.2219C

183 -34°	10494	15	34.7	-34	18	5.1 Drew on redboard
184 -34°	10497	15	35.0	-34	18	8.3 ←

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1917phae.proj.2219C

Thursday, June 7, 1917

T37902

No	Int.	Class	Remark
1	5	B	Another star sup. at south
2	3	B	
3	3	B_0	
4	2	B	
5	7	K_5	
6	4	B_2	
7	3	a_0	
8	1	a	
9	1	K_5	
10	4	B_2	
11	2	B	
12	2	a_0	
13	7	a_2	
14	2	a_0	
15	4	B	
16	3	B_2	
17	4	B8	
18	3	B	
19			
19	3	B9	
20	4	B8	
21	1	a3	
22	1	K_5	
23	2	K_2	

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1917phae..proj..2219C

1	+41°	3765	20	23.4	+41	31	7.8 197 on 37874
2	+40°	4164	20	20.8	+40	52	7.5 279 " "
3	+40°	4150	20	18.1	+40	17	7.4 280 " "
4	+42°	3692	20	14.5	+42	33	7.6 185 " "
5	+39°	4114	20	11.8	+39	55	5.4 249 " "
6	+40°	4086	20	11.1	+40	31	7.8 ✓
7	+40°	4077	20	10.1	+40	52	7.7 248 on 37874
8	+40°	4059	20	7.1	+40	55	8.6 ✓
9	+40°	4053	20	6.2	+40	44	8.1 ✓
10	+40°	4050	20	5.9	+40	56	7.8 ✓
11	+41°	3682	20	6.1	+41	42	7.8 ✓
12	+41°	3650	20	7.0	+41	16	8.1 ✓
13	+40°	4046	20	5.7	+40	49	6.9 245 on 37874
14	+40°	4036	20	4.3	+40	41	8.3 ✓
15	+39°	4082	20	7.4	+39	50	7.5 ✓
16	+39°	4096	20	9.3	+39	53	8.1 ✓
17	+40°	4056	20	6.6	+40	58	7.9 ✓
18	+42°	3599	20	3.2	+42	11	7.8 242 on 37874

Ident on cards by M.A.H. June 15, 1917
Ident in book by A.M.C. June 26, 1917
Ident. compared by C.R.B. June 28, 1917

19	+39	4193					327 on 37891
20	+41	3599					108 " 37374
21	+44	3332					443 " "
22	+40	4057	20	6.0	+40	31	8.0
23	+41	3689	20	11.9	+41	22	8.0

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1917phae.proj.2219C

Thursday, June 7, 1917
T 9666

No	Fnt	Class	Remark
1	6	B2p	Hβ bright but very ft.
2	5.	B8	:.

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1917phae.proj.2219C

—	1	+40°	4103	20	13.0	+40	17	6.3	251	m 7 37 5 7 4
✓	2	+41°	3668	20	9.4	+41	40	6.2	246	" "

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1917phae.proj.2219C

June 7, 1910

I 38874 Re-exam

- 46 K5
- 78 A0

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1917phae.proj.2219C

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1917phae.proj.2219C

June 7, 1917
D38588 cont. from p. 82

178	3		A0
179	8		B8
180	9	.	B8
181	2		G5
182	1		A0
183	3		F8
184	6		B9
185	4		F5
186	1		K5
187	1		G5

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1917phae.proj.2219C

~	178 +40°	4246	20	31.2	+40	33	7.5 240 on 37874
~	179 +40°	4266	20	34.3	+40	4	6.0 223 " "
~	180 +41°	3856	20	36.7	+41	12	5.3 220 " "
✓	181 +39°	4180	20	20.3	+39	37	7.6 ✓
✓	182 +39°	4183	20	20.5	+39	35	9.2 ✓
~	183 +40°	4251	20	32.2	+40	53	7.3
~	184 +40	4276					222 on 37874
c	185 +37	3950					220 " "
~	186 +36	4198	20	36.1	+36	15	7.9
~	187 +39	4386	20	45.8	+38	6	8.0

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1917phae.proj.2219C

~~Thursday~~ Friday June 8, 1917

D 38796 cont. from 90, 152

100	2	G5-	
101	2	G5-	Comp.?
102	9	B5-	
103	2	K0	
104	2	K2	
105	6	K0	Lines sharp
106	2	K2	
107	3	A0	
108	3	A0	
109	3	B2	
110	1	Mb	
111	5	A0	

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1917phae.proj.2219C

c	100	+47°	3387	21	18.1	+47	27	8.1	41 on 937946
–	101	+48°	3347	21	14.9	+48	1	8.0	127 " "
–	102	+48°	3345	21	14.5	+48	54	5.4	132 " "
–	103	+48°	3326	21	11.0	+48	30	8.2	133 " "
–	104	+47°	3276	20	59.4	+47	31	8.3	150 " "
–	105	+49°	3448	20	58.7	+49	46	6.2	91 " "
–	106	+47°	3257	20	56.9	+47	15	7.9	86 " "
–	107	+48°	3257	20	53.4	+48	12	8.2	96 " "
–	108	+47°	3237	20	52.4	+47	44	8.3	97 " "
–	109	+48°	3242	20	49.2	+48	59	7.0	118 " "
–	110	+47	3321	21	5.5	+47	4	7.8	
–	111	+49	3531						32 on 937946

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1917phae.proj.2219C

Friday June 8, 1917

I 37946 cont. 128, 80

271 1 a

277 1 a

278 3 Ao E

~~279~~

279 9 Bo

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1917phae.proj.2219C

276 +45°	3307	20	48.5 + 45	29	8.8 ✓
277 +45°	3309	20	47.6 + 45	55	9.0 ✓
278 +47°	3192	20	44.1 + 47	41	8.0 ✓

Identf. on cards by M.A.H. June 18, 1917
Identf. in book by A.M.C. June 25. 1917
Identf. compared by G.R.B. June 28, 1917

279 +44° 3839 97 on I37878

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1917phae.proj.2219C

June 8, 1917

D 3889 ent. from 128, 76

102	6	K0
103	7	K0
104	7	B1
105	8	A5
106	7	F8
107	8	F2
108	1	F0
109	1	A0
110	1	K2
111	1	F
112	2	A
113	2	F8
114	2	F8
✓ 115	3	F5 Partly superposed on a star at north.
116	2	B5
117	1	F8
118	2	F2
119	1	K5
120	3	B0
121	7	A0
122	6	B8
14		Appears like A with narrow lines

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1917plate.proj.22196

– 102	+29°	4354	21	8.0	+29	18	7.0	9 on 937948
– 103	+35°	4357	20	55.5	+35	28	6.2	132 " "
– 104	+35°	4426	21	5.2	+35	42	6.5	154 " "
– 105	+36°	4470	21	7.6	+36	2	6.5	160 " "
– 106	+36°	4537	21	17.5	+36	47	6.3	174 " "
– 107	+37°	4271	21	13.6	+37	38	6.2	190 " "
– 108	+37	4228	21	7.6	+37	39	8.5–116	" d 389 42
– 109	+37	4227	21	7.6	+37	33	8.1	115 " "
110	+36°	H465	21	7.0	+36	49	8.3 ✓	
111	+36°	4457	21	6.4	+36	50	8.6 ✓	
112	+37°	H198	21	3.5	+37	12	8.7 ✓	
113	+36°	HH37	21	4.1	+36	44	8.7 ✓	
114	+36°	H514	21	13.9	+36	50	8.7 ✓	
✓115	+35°	HH89	21	14.7	+35	52	8.4	170 on d 37948
116	+34°	H406	21	18.3	+34	H1	8.1 ✓	
117	+32°	H177	21	24.2	+32	49	8.5 ✓	
118	+33°	H282	21	25.5	+33	54	8.2 ✓	
119	+32°	H150	21	18.4	+32	20	7.8 ✓	
120	+34°	H383	21	14.2	+34	59	7.9 ✓	
121	+38	4471	21	17.0	+38	1	7.0	183 m d 37948

Ident. on cards by M.A.H. July 7, 1917
Ident in book by a.m.c. July 10, 1917
Ident. compared by G.R.B. July 11, 1917

122 +33 4203 75 m d 32848

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1917phae.proj.2219C

Monday June 11, 1917

I 19317

	No.	Int.	class.	Remark
✓	1	2	A0	
✓	2	3	G0	
✓	3	2	B9	
✓	4	2	F8	
✓	5	2	F0	
✓	6	2	K0	
✓	7	2	F0	
✓	8	2	K0	
✓	9	2	B	Almost Cont.
✓	10	1	K5	
✓	11	2	G0	
✓	12	3	F0	
✓	13	1	A	
✓	14	1	F5	
✓	15	2	F5	
✓	16	1	K2	
✓	17	1	F8	
✓	18	2	G0	
✓	19	2	A	E
✓	20	2	G	E
✓	21	2	K0	
✓	22	2	A0	
✓	23	2	K5	
✓	24	2	K0	
✓	25	1	F8	

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1917phate.proj.22i9c

1	+51°	2929	20	38.6	+51	35	8.2 ✓
2	+51°	2932	20	38.8	+51	46	7.2 ✓
3	+52°	2783	20	38.5	+52	7	7.9 ✓
4	+54°	2393	20	36.1	+54	44	8.4 ✓
5	+54°	2391	20	35.5	+54	53	8.4 ✓
6	+53°	2485	20	41.4	+53	29	7.9 ✓
7	+55°	2463	20	40.9	+55	56	8.3 ✓
8	+56°	2484	20	41.2	+56	16	7.9 ✓
9	+54°	2429	20	47.2	+54	57	7.4 ✓
10	+53°	2514	20	50.1	+53	13	7.1 ✓
11	+53°	2551	21	1.9	+53	26	8.3 ✓
12	+53°	2554	20	2.4	+53	22	7.8 ✓
13	+53°	2559	21	4.0	+53	4	8.7 ✓
14	+53°	2560	21	4.1	+53	12	8.5 ✓
15	+53°	2563	21	5.4	+53	10	8.1 ✓
16	+54°	2491	21	8.0	+54	6	8.3 ✓
17	+53°	2572	21	8.1	+53	52	8.3 ✓
18	+52°	2910	21	14.8	+52	19	8.2 ✓
19	+51°	3058	21	19.8	+51	53	9.0 ✓
20	+51°	3061	21	20.3	+51	51	8.4 ✓
21	+54°	2538	21	22.6	+54	58	8.1 ✓
22	+56°	2560	21	17.9	+56	4	8.3 ✓
23	+56°	2561	21	17.9	+56	4.3	8.3 ✓
24	+57°	~~2299~~ 2300	21	~~8.5~~ 9.1	+57	~~16~~ 27	~~9.1~~ 8.3 ✓
25	+56°	2527	21	0.5	+56	30	8.7 ✓

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1917phae.proj.2219C

Monday June 11, 1917

I 19317

	No	Dist	Class	Remarks
✓	26	2	A0	
✓	27	1	A0	
✓	28	1	G5	
✓	29	2	G5	
Tuesday June 12, 1917 ✓	30	3	B9	
	31	9	B9	
✓	32	1	K2	
	33	10	A0	
✓	34	1	K0	
✓	35	1	G0	
✓	36	1	A	
✓	37	2	F8	
	38			
	39			
	40			
	41			
	38	6	F2 A2	confirmed.
	39	1	K5	
	40	3	Pec. Nearly constant. Late O nearly B.	

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1917phae.proj.22190

26 +58°	2191	20	52.4	+58	34	8.4 ✓	
27 +58°	2200	20	55.2	+58	35	9.0 ✓	
28 +58°	2204	20	56.7	+58	51	8.7 ✓	
29 +58°	2231	21	6.5	+58	19	8.5 ✓	
30 +58°	2248	21	14.9	+58	19	8.0 ✓	
31 +54°	2544	21	24.3	+54	47	6.1	40 on D37945
32 +56°	2569	21	20.1	+56	50	8.0 ✓	
33 +56°	2524	20	58.2	+56	5	5.8	68 on D37945
34 +57°	2264	20	52.2	+57	32	8.3 ✓	
35 +57°	2256	20	49.6	+57	29	8.9 ✓	
36 +57°	2259	20	50.3	+57	26	9.3 ✓	
37 +56°	2462	20	35.1	+56	5	8.0 ✓	

Ident on cards by G.M.C. June 12, 1917
" in book " M.A.H. " 13, 1917
" compared by G.R.B. June 13, 1917

38 +58° 2187 .7m √32545

✓ 39 +58 2144 20 34.1 +58 20 7.8
✓ 40 +53 2495 20 44.4 +53 22 7.5 3m √31135

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1917phae.proj.2219C

Tuesday June 12, 1917

D 2 3 4 21 short

	No.	Ent.	class	Remark.
✓	1	3	Ko	
✓	2	5	Ao	
✓	3	3	F5	

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1917phae.proj.22190

1 +36°	3189	18	29	28.4 +36	0.9	7.6 ~
2 +36°	3190	18	29	29.2 +36	12.8	8.0 ~
3 +36°	3186	18	29	5.3 +36	7.7	8.0 ~

Identr on cards A.M.C. June 12. 1917
" in book M.A.H. " "

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1917phae.proj.2219C

June 12, 1917

J 3727 8

No	Int	Class	Remark
1	2	B_3	Hβ bright? Image very hazy.
June 15, 1917 2	3	A_2	
3	2	B8	
4	1	K_0	
5	2	A	
6	2	A_0	
7	2	K_0	
8	2	A_0	
9	1	K_0	
10	4	B	
11	1	A	Partly sup. on 10
12	2	A_0	
13	2	A_2	
14	3	A_0	
15	2	A_0	
16	2	A	Perhaps B8
17	2	A_2	
18	2	A_2	
19	8	A_2	
20	1	K	
21	2	k	Partly sup. on 22
22	1	d	
23	2	A_0	
24	2	A_{0p}	Line 4128 very strong.
25	1	A_0	
26	1	K_0	

Cont. on P. 122

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1917phae.proj.22190

~	1	+57°	2689 22	59.1	+57	28	8.1 28 m J38078
~	2	+58	2869 23	6.7	+56	40	8.0 19 " "
	3	+56°	2962 23	5.4	+56	19	9.0 ✓
	4	+56°	2956 23	3.8	+56	4	8.5 ✓
	5	+57°	2705 23	4.6	+57	20	8.8 ✓
	6	+57°	2693 23	1.3	+57	38	8.3 ✓
	7	+58°	2532 22	56.6	+58	5	8 ✓
	8	+56°	2899 22	48.5 (9.)	+56	36	8.7 ✓
✓	9	+58°	2500 22	48.2	+58	8	8.0 43 on J38078
✓	10	+58°	2492 22	45.8	+58	14	7.0 45 " "
	11	+58°	2493 22	45.8	+58	7	8.8 ✓
	12	+56°	2862 22	41.5	+56	27	9.1 ✓ +56° 286 3 x mean 9.1 3, superposed. ~~poor~~ fair 2.2 all 0.9
	13	+56°	2872 22	43.2	+56	4	8.5 ✓
✓	14	+56°	2836 22	36.6	+56	51	7.9 73 on J38078
✓	15	+56°	2838 22	36.6	+56	41	8.5 72 " "
✓	16	+55°	2796 22	37.1	+55	54	8.7 70 " "
	17	+55°	2792 22	36.5	+55	33	8.7 ✓
✓	18	+56°	2825 22	34.1	+56	38	8.5 74 on J38078
	19	+55°	2789 (7) 22	~~28.1~~ (30.2)	+55	~~53~~ (19)	6.8 ✓
	20	+55°	2787 22	34.1	+55	24	8.6 ✓
	21	+54°	2816 22	30.4	+54	18	9.0 ✓
	22	+54°	2818 22	30.5	+54	21	8.9 ✓
✓	23	+54°	2836 22	35.0	+54	15	8.7 125 on J38078
✓	24	+54°	2846 22	38.3	+54	50	8.5 [illegible] "
	25	+54°	2849 22	39.2	+54	12	9.0 ✓
	26	+53°	2973 22	39.4	+53	57	8.4 ✓

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1917phae.proj.2219C

Tuesday June 12, 1917

l 36119 short

	No		
✓	1	3	K0
✓	2	2	K5
✓	3	2	K5
	4	5	K5

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1917phae.proj.22190

1	+50°	2904	19	47.6	+50	25	7.3	
2	+50	2858	19	~~59.6~~ 58.0	+50	26	7.8	From 3rd Separation
3	+50°	2870	19	41.0	+50	26	7.9	
4	+49°	3170	19	59.1	+49	524	7.0	

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1917phae.proj.2219C

Tuesday June 12, 1917

Cont. Bl. 86, 52 38526 long

✓	62	3	F5
✓	63	1	a
✓	64	1	K0
✓	65	1	K2
✓	66	1	K0
✓	67	2	B
✓	68	1	a
✓	69	1	a
✓	70	1	F5
	71	8	B3
	72	5	Ma
	73	9	B2
	74	10	B0
	75	9	B8
	76	4	A5
	77	1	K (overlaps 78 & 72 (then somehow this))
✓	78	1	a
	79	2	A2

80	4	B3
81	3	A2
82	6	K5
83	5	K0
84	9	Map

cont. 145, 94

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1917phae..proj..221GC

62	+59°	2362	21	17.8	+59	58	7.7 ✓
63	+60°	2229	20	17.6	+60	6	8.3 ✓
64	+58°	2261	21	20.3	+58	58	8.3 ✓
65	+59°	2371	21	20.3	+59	8	8.6 ✓
66	+58°	2263	21	22.0	+58	5	7.9 ✓
67	+58°	2272	21	24.8	+58	6	7.8 ✓
68	+57°	2337	21	25.9	+57	37	9.2 ✓
69	+57°	2338	21	26.2	+57	40	8.6 ✓
70	+57°	2342	21	27.0	+57	37	8.7 ✓
✓ 71	+57°	2309	21	13.4	+57	59	6.5 22 on D37945
✓ 72	+60°	2300	21	45.1	+60	36	6.5 113 " D37277
✓ 73	+61°	2193	21	41.0	+61	47	6.2 180 " "
✓ 74	+59°	2395	21	27.0	+59	49	5.7 216 " "
✓ 75	+62°	1903	21	6.4	+62	42	7.0 189 " "
✓ 76	+62°	1889	21	1.1	+62	48	6.5 184 " "
77	+61°	2153	21	29.1	+61	28	9.1 205 ~~77~~ on D37277
78	+61°	2153	21	29.1	+61	28	9.1 ✓
✓ 79	+57°	2402	21	43.8	+57	10	8.5 83 on D37351

Ident in book by M.A.H. June 15, 1917
Ident on cards " O.M.C. June 26, 1917
Ident. compared by E.R.C. June 28, 1917

✓ 80 +60° 2233 217 on D37277
✓ 81 +60 2271 215 " "
✓ 82 +60 2318 99 " "
✓ 83 +59 2409 90 " D37357
✓ 84 +58 2316 on cepheus

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1917phae.proj.2219C

Thursday, June 14, 1917

D 37028 comb. Jan 86, 124

128	6	K2	
129	1	K0	
130	4	A8	Lines of +52° 3204 Amp.
131	4	B2	
132	10	B8	
133	7	B8	
134	8	A0	Comp. K lines f.l.
135	1	A	Perhaps B8.
136	4	B8	
137	2	K0	

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1917phae..proj.2219C

~	128 +50°	3673 22	14.9 +50	15	6.5	146 on 37351
-	129 +51°	3329 22	13.5 +51	57	8.2	8 " "
-	130 +52°	3203 22	19.0 +52	0	8.2	184 " "
-	131 +54°	2756 22	17.6 +54	30	8.3	234 " "
-	132 +56°	2765 22	17.7 +56	33	6.7	243 " "
-	133 +55°	2750 22	21.5 +55	42	6.5	230 " "
~	134 +46	3719 22	23.5 +46	58	4.8	66 on 38844
~	135 +47	3814 22	23.5 +47	2	8.6	67 " "

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1917phae.proj.2219C

Tuesday June 12, 1917

l 35136 short

1 2 Ko

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1917phae.proj.2219C

L +37° 877 3 57.8 +37 38 8.0 L

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1917phae.proj.2219C

June 14, 1917

338803 cent. from 90,200

86	10	B	102 sup. at K.
87	5	A0	
88	2	G0	
89	3	A0	
90	2	An	
91	1	G	
92	2	G0	
93	1	K5	
94	1	F5	
95	5	A0	
96	3	A0	Parity sup. on 95
97	1	K0	
98	3	A0	
99	4	G0	
100	3	B9	
101	1	G5	
102	3	A	Nearly all sup. on 86
103	8	K0	
104	6	K0	
105	6	F0	
106	3	K0	
107	4	B0	Hβ not seen clearly. Bright?

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1917phae.proj.2219c

86	+57°	2441	21	57.2	+57	18	6.4 72 m T37351
87	+58°	2381	21	59.5	+58	5	7.3 280 " "
88	+58°	2392	22	1.9	+58	7	8.5 278 " "
89	+58°	2416	22	11.5	+58	16	8.2 287 " "
90	+57°	2478	22	6.7	+57	0	8.4 273 " "
91	+56°	2739	22	9.6	+56	59	8.5 ✓
92	+57°	2489	22	10.1	+57	33	8.6 ✓
93	+57°	2493	22	11.1	+57	15	8.2 ✓
94	+57°	2471	22	5.1	+57	6	8.4 ✓
95	+58°	2395	22	3.8	+58	05	6.5 ✓ Bw. 11542 7.2 8.0 and 8.0
96							
97	+57°	2521	22	18.7	+57	2	8.5 ✓
98	+56°	2776	22	21.5	+56	28	8.6 244 on T37351
99	+56°	2781	22	22.4	+56	49	8.0 245 " "
100	+56°	2784	22	23.0	+56	54	8.5 ✓
101	+54°	2773	22	20.2	+54	57	8.5 ✓
102	+57°	2442	21	57.2	+57	21	8.1 ✓
✓ 103	+55	2769	22	28.1	+55	53	6.3 ✓ 125 m I37028

Ident. on cards by M.A.H. June 18, 1917

Ident in book by A.M.C. June 26, 1917

Ident. compared by G.R.B. June 28, 1917

✓ 104	+57	2578	248 m I37351
✓ 105	+57	2520	247 " "
✓ 106	+56	2783	246 " "
✓ 107	+58	2412	45 m I38078

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1917phae.proj.2219C

June 14, 1917

I 3½351 Rentam

/ 99 Ea Both spectra seen

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1917phae..proj..221gc

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1917phae.proj.2219C

Friday, June 15, 1917

♀ 37 278 (cont. from P. 108)

No	♀nt	class	Remark
27	2	a_0	
28	1	a	Sup. on 29
29	1	g	
30	3	a_0	
31	2	F_5	Partly sup. on 30
32	4	B8	
33	8	B3	
34	2	B2	
35	3	B2	
36	1	K_0	
37	3	a_5	
38	2	a_0	
39	3	B8	
40	1	K_0	
41	1	a	
42	1	K2	
43	2	F_5	
44	2	a	
45	2	a	
46	1	K_0	
47	1	K_0	
48	1	a	
49	1	a	
50	1	g_5	
51	1	d	
52	2	a_0	

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1917phae.proj.2219C

27						
28	+53°	2975	22	39.7	+53	35	8.5 ✓
28	+53°	2983	22	40.8	+53	5	8.3 ✓
29	+53°	2984	22	40.9	+53	2	8.1 ✓
30	+52°	3293	22	41.0	+52	59	8.2 ✓
31	+53°	2985	22	40.9	+53	11	8.6 ✓
32	+53°	2987	22	41.2	+53	59	7.6 ✓
✓	33	+53°	2993	22	42.8	+53	39	6.0 117 on γ38078
✓	34	+54°	2865	22	42.7	+54	22	8.5 116 " "
35	+52°	3315	22	45.9	+52	57	8.3 ✓
36	+53°	3008	22	45.0	+53	22	8.9 ✓
37	+52°	3312	22	46.7	+52	25	7.9 ✓
38	+51°	3497	22	47.2	+51	57	8.7 ✓
✓	39	+51°	3499	22	47.4	+51	55	8.5 161 on γ38078
✓	40	+53°	3032	22	49.8	+53	29	8.0 160 " "
✓	41	+53°	3038	22	51.3	+53	17	8.5 159 " "
✓	42	+52°	3339	22	53.1	+52	56	8.6 158 " "
43	+53°	3039	22	51.7	+53	52	8.3 ✓
✓	44	+54°	2884	22	51.0	+54	55	8.5 106 on γ38078
✓	45	+55°	2871	22	54.2	+55	15	8.5 144 " "
46	+53°	3055	22	55.3	+53	52	8.5 ✓
47	+53°	3062	22	56.5	+53	41	8.3 ✓
48	+51°	3536	22	58.2	+51	40	8.8 ✓
49	+52°	3366	22	58.3	+52	15	8.4 ✓
50	+53°	3067	22	58.3	+53	14	8.3 ✓
51	+54°	2901	22	56.7	+54	44	8.7 ✓
52	+52°	3379	23	4.0	+52	52	8.8 ✓

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1917phae.proj.2219C

Friday, June 15, 1917

† 37278

No	Int	Class	Remark
53	6	B0	
54	2	A0	
55	1	A	
56	1	A	
57	3	A	Another star class A: sup. at south
58	1	A	
59	1	K5	
60	2	K5	
61	1	A	
62	2	B	
63	2	A	Another star sup. at north ? yes ^ not in cat.
64	4	A0p	Line 4077 and 4128-31 very strong
65	8	G0	Like † Can. Maj. Lines very narrow.
66	5	F0	
67	3	F8	
68	2	F2	
69	4	B8	K line strong
70	2	K2	
71	6	K2	
72	8	B9	
73	9	F8	
74	1	A	
75	1	K5	

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1917phot.proj.22190

✓	53	+52°	3383	23	4.7	+52	16	7.2 168 on T38078
✓	54	+52°	3390	23	5.7	+52	2	8.2 167 " "
✓	55	+52°	3389	23	5.6	+52	24	8.6
	56	+52°	3388	23	5.5	+52	34	8.5
	57	+53°	3085	23	3.1	+53	49	8.1 ✓ +53° 308H marg. 8.5
	58	+53°	3107	23	8.3	+53	9	8.5 ✓
	59	+53°	3109	23	8.7	+53	34	8.5 ✓
	60	+53°	3115	23	9.7	+53	37	8.4 ✓
	61	+53°	3117	23	10.6	+53	47	9.0 ✓
	62	+55°	2942	23	13.7	+55	0	8.2 ✓
	63	+54°	2954	23	13.9	+54	44	8.8 ✓
✓	64	+58°	2497	22	46.8	+58	3	7.9 44 on T38078
✓	65	+56°	2923	22	54.0	+56	10	6.0 97 " "
✓	66	+51°	3558	23	5.8	+51	26	7.5 166 " "

Ident. on cards by M.A.H. June 16, 1917
Ident in book by A.M.C. June 26, 1917
Compared by E.R.B. June 28, 1917

✓	67	+56°	3009	23	20.0	+56	5	8.0 45 on D37241
✓	68	+56°	3002	23	18.6	+56	3	8.6 44 " "
✓	69	+55°	2946	23	15.6	+55	34	7.8 98 " "
✓	70	+54°	2970	23	18.8	+54	38	7.5 102 " "
✓	71	+51°	3514	22	52.9	+51	52	6.0 155 on T38078
✓	72	+54°	2900	22	56.5	+54	28	6.5 143 " "
✓	73	+52°	3410	23	10.1	+52	26	5.4 134 " "
✓	74	+57	2613	22	41.8	+57	47	8.2 54 on "
✓	75	+55	2831	22	46.6	+55	45	7.7 ~~75~~

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1917phae.proj.2219C

Tuesday June 19 1917

23009 (Jupiter)

1	1	K_2
2	1	K_2
3	4	F_0
4	1	K_0
5	1	K_2
6	3	A_1
7	2	K_0
8	1	G
9	1	K
10	2	A_3
11	1	G
12	1	K_5
13	2	F_8
14	2	F_8
15	1	K_5

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1917phae.proj.2219C

1	+23°	H400	21	H1.9	+23	H2	8.9 ✓
2	+24°	H477	21	H1.1	+24	12	8.7 ✓
✓ 3	+25	4621	21	42.3	+25	2	7.5 8 sm D3881 9
4	+26°	H268	21	H0.5	+26	59	8.6 ✓
✓ 5	+27°	H163	21	H0.8	+27	25	8.4 ✓
✓ 6	+27	4166	21	41.5	+27	19	f. 4 13 sm D3881 9
7	+29°	H508	21	40.5	+29	27	8.4 ✓
8	+29°	4499	21	38.7	+29	44	8.7 ✓
9	+29°	4496	21	38.1	+29	39	8.2 ✓
10	+28°	H167	21	37.2	+28	45	8.6 ✓
11	+28°	H166	21	36.0	+28	3	8.8 ✓
12	+26°	H215	21	30.6	+26	43	8.6 ✓
13	+26°	H221	21	31.5	+26	33	8.7 ✓
14	+24° (Trace of)	4463	21	38.1	+24	59	4.1 ✓
15	+25°	4611	21	38.7	+25	16	9.0 ✓

Identf. on cards by M.A.H. July 7, 1917
Identf in book by A.M.C. July 10, 1917
Identf. compared by E.R.C. July 11, 1917

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1917phae.proj.2219C

June 19, 1917
B 14196 cont from 92, 32

109	5	Fz	
110	2	F5	
111	3	No	21 m D 38122
112	2	G0	30 " 38122

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1917phae..proj..22190

✓	109	+6° 4892	21	36.9	+6	29	8.0	3 m	38596
✓	110	+6 4891	21	36.8	+6	30	9.0	2 "	"
✓	111								
✓	112								

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1917phae.proj.2219c

June 20, 1917
B 17 A S P Cont 93, 114

52	2	G0
53	2	G0
54	1	G5
55	1	K5
56	2	K0
57	2	K5
58	4	F0
59	3	F2
60	5	K0
61	1	K5
62	2	K2
63	3	F5
64	2	F5
65	1	K5
66	3	F0
67	2	K5
68	4	A5
69	3	F0

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1917phae.proj.22i9c

~	52	+5°	5210	23	34.2 ~~36.5~~	+5	29 44	8.8	147 on D37350
-	53	+5°	5219	23	38.1	+5	40	8.7	153 " "
-	54	+3°	4893	23	38.4	+3	29	9.3	145 " "
-	55	+4°	5059	23	43.0	+4	6	9.0	79 " "
-	56	+5°	5226	23	45.0	+5	8	9.0	165 " "
-	57	+5°	5233	23	46.8	+5	11	9.0	166 " "
-	58	+4°	5076	23	50.9	+4	51	9.0	171 " "
-	59	+3°	4913	23	51.7	+3	54	8.8	172 " "
~	60	+5	5257						1 on B12386
	61	+10	4978						57 " D37360
	62	+9	5260						68 " "
	63	+9	5281						2 on D38107
	64	+10	4991						23 " "
	65	+10	4983						25 " "
	67	+11	5059						27 " "
	68	+8	5139						42 on D38069
	69	+7	5098						4 " "

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1917phae.proj.2219C

Thursday June 21, 1917

B9782 cmth. from 91,208

83	2	gs-
84	1	g
85	1	gs-
86	1	g
87	2	f1
88	9	a0

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1917phae..proj..22190

83	+3°	4797	22	48.9	+3	35	8.7 ✓
84	+4°	4929	22	50.2	+4	8	8.7 ✓
85	+5°	5122	22	56.3	+5	16	9.3 ✓
86	+1°	4656	22	43.3	+1	6	8.8 ✓
87	+0°	4957	22	54.9	+0	29	8.8 ✓
✓ 88	+6°	5092	22	51.4	+6	34	7.3 SO m B1902

Identt. on cards by M.A.H. July 6, 1917
Identt in book by G.M.C. July 10, 1917
Identt. compared by G.A.B. July 11, 1917

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1917phae.proj.22190

June 21, 1917

B1489 Extn. from 128, 112

20	1	K2
21	3	G0
22	2	F0
23	2	G0
24	2	G0
25	2	F8
26	2	G0
27	1	F
28	1	K5
29	2	G0
30	2	K0

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1917phae.proj.22190

20	+5°	5198	23	29.6	+5	22	8.8	129 on D 37350
21	+5°	5195	23	29.2	+5	47	8.5 ✓	
22	+5°	5194	23	27.5	+5	41	8.8 ✓	
23	+5°	5191	23	26.5	+5	10	9.1 ✓	
24	+5°	5190	23	25.7	+5	7	8.8 ✓	
25	+4°	5026	23	26.3	+4	46	9,0	125 " "
26	+4°	5027	23	26.6	+4	20	8.8	127 " "
27	+4°	5024	23	25.4	+4	38 9	9.0 ✓	
28	+4°	5023	23	24.7	+4	29	9.0 ✓	
29	+5°	5188	23	24.2	+5	57	9.1 ✓	

Ident. on cards by M.A.H. July 6, 1917
Ident in book by A.M.C. July 10, 1917
Ident. compared by G.R.B. July 11, 1917

30 +7 5041 38m D 37360

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1917phae.proj.22119C

June 21, 1917
D 8617 Cont. from 93, 36

140	2	g5-	
141	1	K	
142	2	g0	
143	2	f8	
144	2	a3	
145	1	g	
146	2	g5-	
147	3	g0	
148	2	f0	
149	3	a2	E.
150	2	g0	
151	2	g5	
152	1	a	
153	2	a	
154	2	f	E.
155	2	f5-	
156	1	a	
157	2	g	Parity sup. on 158
158	2	g	" " " 157
159	2	g0	
160	2	g5-	
161	1	g5-	
162	7	f8	
163	2	a	E
164	1	a	E
165	2	f5	E

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1917phae.proj.2219C

140	+20°	5319	23	16.3	+20	0	9.0 ✓
141	+21°	H927	23	17.2	+21	28	8.9 ✓
142	+21°	H929	23	18.1	+21	24	9.1 ✓
143	+21°	H930	23	18.9	+21	12	8.8 ✓
144	+20°	5332	23	19.6	+20	54	9.0 ✓
145	+20°	5333	23	19.7	+20	44	9.5 ✓
146	+20°	5334	23	20.3	+20	36	9.5 ✓
147	+20°	5336	23	20.8	+20	34	8.2 ✓
148	+20°	5337	23	21.0	+20	29	8.5 ✓
149	+20°	5338	23	21.8	+20	59	8.7 ✓
150	+18°	5149	23	19.1	+18	H7	8.8 ✓
151	+18°	5103	23	19.5	+18	2	8.4 ✓
152	+19°	5106	23	20.2	+19	12	8.7 ✓
153	+19°	5107	23	20.4	+19	24	9.0 ✓
154	+17°	H920	23	21.2	+17	54	9.1 ✓
155	+19°	5099 ~~5101~~	23	17.7	+19	H9	9.2 ✓
156	+19°	5102	23	18.5	+19	38	9.3 ✓
157	+15°	H764	22	59.9	+15	29	9.0 ✓
158	+15°	H763	22	59.9	+15	H3	9.0 ✓
159	+16°	H884	23	3.8	+16	2	8.8 ✓ superposed +16° H883 magn. 8.9
160	+15°	H779	23	6.3	+15	34	8.8 ✓
161	+15°	H781	23	6.9	+15	H7	8.8 ✓
162	+19	5058	22	57.3	+19	7	6.2 ✓ 5-1 m 38107
163	+24°	H756	23	14.2	+24	8	8.5 9.2 ✓
164	+24°	H761	23	15.5	+24	9	8.8 ✓
165	+24°	H764	23	16.5	+24	30	8.3 ✓

Ident. on cards by M.A.H. July 6, 1917 Compared by S.R.B. July 11, 1917
Ident in book by A.M.C. July 9, 1917

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1917phae.proj.2219C

June 21, 1917
I 38617 Remeasure

59 Fl Certainly means Fl Chart G.
Can not get good observation
on many plates.

166 Fl 2 Ins 7m I 38618
167 Fl 2 " 14 " "

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1917phae..proj..221 9C

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1917phae.proj.2219C

Friday, June 22, 1917

+ 55107 emt. from 12 9, 34

49	1	G
50	1	G
51	1	G
52	2	K0
53	1	G
54	2	G5
55	2	K0
56	5	A5
57	6	F0
58	3	A0
59	8	F0
60	5	F2
61	3	K5

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1917phae.proj.2219C

49	+11°	5074	23	46.8	+11	51	8.7 ✓	
50	+12°	5036	23	45.1	+12	44	8.7 ✓	
51	+12°	5033	23	44.0	+12	58	8.7 ✓	
52	+12°	5039	23	46.0	+12	45	8.5 ✓	
53	+14°	5064	23	~~42.8~~ 43.0	+14	44	8.6 ✓	
54	+13°	5196	23	54.2	+13	51	7.9 ✓	
55	+12°	5059	23	56.3	+12	34	8.0 ✓	
✓ 56	+11°	5090	23	56.1	+11	31	7.0	13 on 39704
✓ 57	+11°	5092	23	56.6	+11	20	7.0	12 " "

Ident. on cards by M.A.H. July 6, 1917
Ident in book by A.M.C. July 9, 1917
Ident. compared by G.R.B. July 11, 1917

58	+12°	5048	23	49.9	+12	25	8.1	50 on 238069
59	+7	5083						81 on 237360
60	+12	5056						52 on 238069
61	+11	5072						48 " "

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1917phae.proj.2219C

June 22, 1917

D 22266 Chart

1	3	G. Parity Ref. on 2
2	4	do.

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1917phae.proj.22196

✓ 1 +16°4989 23 40.5 +16 17 7.8 2 im 13 8 13,
✓ 2 +16 4990 23 40.5 +16 16 8.0 2 im " "

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1917phae.proj.2219C

June 22, 1917

3 & 131 cmb. from 55, 88

48	1	G
49	1	F
50	1	F5
51	1	A
52	2	K0

53	5	K0
54	2	K2
55	4	F5
56	2	A3

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1917phot.proj.22190

48 +15°	H887	23	H0.9 + 15	8	8.9 ✓
49 +14°	5058	23	H1.0 + 14	15	8.5 ✓
50 +15°	H899	23	H5.0 + 15	40	8.8 ✓
51 +~~16~~ 14°	~~H917~~ 5080	23	52.~~3~~ 4 + ~~15~~ 14	9 58	9.~~3~~ 5 ✓
52 +16°	50~~+9~~ 27	23	53.4 +16	12	8.5 ✓

Ident. on cards by M.A.H. July 6, 1917
Ident in book by a.m.c. July 9, 1917
Ident. compared by B.R.B. July 9, 1917

53 +17 4958 30 m 138123
54 +19 5174 47 " "
55 +16 4973 31 " "
56 +14 5028 23 32.7 +14 1 7.9

1917phae.proj.2219c

Saturday, June 29, 1917

D 16935

1	9	B8	
2	8	a0	
"	3	5 "	a0

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1917phao..proj..221GC

~	1	+31°	4897	23	14.9	+31	1	5.8	33	on 038620
~	2	+31°	4904	23	17.8	+31	35	6.0	32	" "
~	3	+27°	4568	23	24.0	+27	36	6.3	16	" "

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1917phae.proj.2219C

June 23, 1917
D 3862 cont. from 93, 12

139	1	K0
140	2	F5
141	1	A
142	2	G5
143	2	K2
144	2	A, a
145	2	A0 e
146	2	G0
147	1	G
148	1	F
149	1	K0
150	1	G
151	2	K0
152	2	G
153	1	G
154	1	K0
155	1	A
156	1	K0
157	2	F5
158	1	K The nucleus of Lun.
159		
160		

159	7	F5

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1917phae..proj..2210C

139	+33°	H732	23	25.5	+ 33	31	8.2 ✓
140	+33°	H734	23	26.3	+ 33	54	8.7 ✓
141	+33°	H741	23	28.1	+ 33	55	9.1 ✓
142	+33°	H744	23	30.0	+ 33	51	8.3 ✓
143	+34°	H951	23	26.0	+ 34	45	8.2 ✓
144	+35°	5047	23	25.3	+ 35	12	8.2 ✓
145	+35°	5028 → 30	23	19.5 → 20.1	+ 35	18 → 11	8.0 → 4 ✓
146	+30°	4926	23	13.9	+ 30	23	9.0 ✓
147	+28°	4568	23	13.7	+ 28	3.3	8.5 ✓
148	+28°	4566	23	13.7	+ 28	27	9.1 ✓
149	+27°	4533	23	13.5	+ 27	39	8.7 ✓
150	+27°	4534	23	13.8	+ 27	17	8.8 ✓
151	+27°	4540	23	15.3	+ 27	20	8.5 ✓
152	+26°	H617	23	15.7	+ 26	47	8.5 ✓
153	+28°	4569	23	14.0	+ 28	27	8.9 ✓
154	+28°	4570	23	14.1	+ 28	31	8.6 ✓
155	+26°	H625	23	18.0	+ 26	18	8.5 → 8 ✓
156	+25°	4934	23	18.4	+ 25	24	7.5 ✓
157	+26° → 27°	H642 → 4565	23	23.7 → 24.1	+ 26 → 27	59 → 8	9.9 → 9.2 ✓
158	+28°	4562	23	12.7	+ 28	5	8.5 ✓

Identf. on cards by M.A.H. July 7, 1917
Identf in book by A.M.C. July 9, 1917
Identf. compared by G.R.B. July 11, 1917

90 m 38607

157 +31 4901

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1917phae.proj.2219C

June 23, 1917
√ 38842 cont. from 94, 70

24	8	g_5	
25	2	a_2	
26	5	a_0	
27	2	g_5	
28	2	g	Partly sup. in atlewah N
29	2	a_2	
30	1	K_0	
31	6	g_0	

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1917phae..proj..221906

24	+35°	5110	23	42.4	+35	38	5.9	5 on D38615
25	+33°	4801	23	48.4	+33	58	8.7	73 " D37382
26	+35°	5159	23	55.3	+35	1	7.0	69 " "
27	+36°	5144	23	54.6	+36	19	8.4	136 " "
28								Dim nothing else
29	+40°	5133	23	35.7	+40	30	8.8	74 on D38140
30	+40°	5134	23	35.9	+40	10	8.7	75 " "
31	+40	5200						80 on D37810

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1917phae.proj.22119c

June 23, 1917
135-104 short

1	3	a	Perhaps a5
2	2	G5	
3	3	K2	
4	2	K0	
5	3	K0	
6	3	G0	
7	4	G5	
8	4	K0	
9	4	G0	
10	3	G0	
11	2	F8	
12	2	K0	
13	3	G0	
14	2	F0	
15	2	K5	
16	1	K5	

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1917phae.proj.2219c

✓	1	+22	4845	23	57.9	+22	x3	8.8
✓	2	+22	4946	23	56.0	+22	x6	8.8
	3	+26°	4721	23	51.9	+26	28	8.1
	4	+25°	5050	23	51.5	+25	50	8.3
	5	+25°	5051	23	51.5	+25	16	8.5
	6	+26°	4692	23	41.2	+26	20	8.5
	7	+26°	4685	23	39.7	+26	24	8.4
	8	+25°	5012	23	41.6	+25	31	8.0
	9	+25°	5015	23	42.5	+25	21	8.3
	10	+25°	5004	23	40.1	+25	~~17~~ 30	~~8.5~~ 9.1

4 x on 3810z

#

Identr. in book by M.A.H. Aug. 24, 1918

†

" on cards " J.C.Mr. " "

11	+23	4839	26 on 3888
12	+25	5058	41 " "
13	+20	5403	51 on 3810z
14	+20	5413	57 " "
15	+20	5419	58 " "
16	+20	5425	61 " "

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1917phae.proj.2219C

Monday, June 25, 1917

J 385.242 cont. from 90, 144

24	9	Ao	
25	6	Ma	
26	7	Ao	
27	4	B9	
28	4	Ar	
29	5	B9	Traces of numerous fl. lines seen
30	4	Ao	

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1917phae.proj.2219c

24	+40°	4615	21	36.6	+40	25	5.9 32 on D37913
25	+40°	4623	21	37.3	+40	30	5.1 34 " "
26	+42°	4204	21	40.5	+42	23	6.5 41 " "
27	+38°	4476	21	18.3	+38	44 55	7.8 194 on I37948
28	+37	4330	21	24.9	+37	20	7.3 196 " "
29	+37°	4346	21	27.7	+37	53	8.0 198 " "
30	+37°	4367	21	30.2	+37	13	7.6 200 " "

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1917phae.proj.2219c

Tuesday, June 26, 1917

T 3858 & emb. from 128, 208

253	4	Ao
254	2	Ao
255	3	Ks
256	2	Ao
257	2	Ao
258	2	Az
259	3	Ao
260	2	Az
261	2	Ko
262	2	Ko
263	4	Ma
264	4	Ao

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1917phae.proj.22199

–	253	+51°	3435	23	18,0	+52	37	7.8	163 on 937241
–	254	+52°	3441	23	19.0	+52	48	8.9	166 " "
–	255	+52°	3446	23	19.6	+52	12	7.8	168 " "
c	256	+53°	3158	23	20.1	+53	46	8.5	172 " "
–	257	+54°	2995	23	24.0	+54	31	8.6	107 " "
c	258	+53	3172	23	23.7	+53	28	8.5	173 " "
c	259	+51°	3640	23	26.6	+51	22	8.2	213 " "
c	260	+55°	2992	23	31.2	+55	9	8.7	113 " "
c	261	+53°	3218	23	34.9	+53	54	8.6	186 " "
–	262	+53°	3175	23	24.4	+53	30	8.4	174 " "
	263	+50	4087						218 " "
	264	+45	4316						30 on 937810

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1917phae.proj.2219c

Wednesday June 27, 1917

D38902 cont from 124, 60

134	2	B8	
135	2	B	
136	2	A3	
137	3	B8	
138	2	G5	
139	2	A2	Another star superp at north—
140	1	G5	
141	3	A0	Another star superp at north. yes, but not given in Cat.
142	3	A	
143	2	A	
144	2	A0	
145	2	G5—	
146	5	B8	

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1917phot.proj.22190

		+62°	2162	22	57.6	+62	47	8.3 ✓
✓	134	~~+62°~~	~~2163~~	~~22~~	~~58.2~~	~~+62~~	37	7.8 98 on J37257
	135	+62°	2161	22	57.3	+62	56	7.8 ✓
	136	+62°	2179	22	59.6	+62	56	8.5 ✓
	137	+62°	2156	22	55.4	+62	10	8.2 ✓
	138	+63°	1901	22	48.3	+63	40	8.7 ✓
	139	+59°	2568	22	41.3	+59	52	8.0 ✓ +59° 2569 magn. 8.0
	140	+63°	1890	22	44.6	+63	14	8.6 ✓
	141	+67°	1498	22	~~56.3~~ 54.7	+67	~~00~~ 12	~~7.9~~ 8.5 ✓
	142	+67°	1469	22	45.4	+67	37	8.6 ✓
	143	+66°	1535	22	35.4	+66	23	8.3 ✓
	144	+65°	1781	22	28.4	+65	54	9.0 ✓
	145	+65°	1778	22	27.8	+65	55	8.5 ✓
	146	+62°	2163	22	58.2	+62	37	7.8 ✓ 98 on J37257

Ident. on cards by M. A. H. July 7, 1917

Ident. in book by A. M. C. July 10, 1917

Ident. compared by G. R. B. July 11, 1917

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1917phae.proj.2219c

June 27, 1917
I 37 Eq Reman

3 Bg
5 K5
6 G0
20 K0

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1917phae.proj.2219C

June 27, 1917
D 38937 cont from 127, 190

45	9	A0
46	2	B0
47	6	B8
48	2	B0
49	5	K5
50	5	K5
51	1	K0
52	2	K5
53	5	F5
54	4	A0
55	2	A2
56	2	A0
57	8	K5
58	3	F5
59	4	A3
60	2	A2
61	2	A0
62	2	A5
63	1	K5 Another star super on prism?
64	2	A0
65	2	A2
66	3	B9
67	2	F2
68	2	A0 4128-31 strong
69	2	F8
70	1	A

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1917phae.proj.22196

45	+64°	1861 23	41.7 +64	4	6.5 77 on T37909
46	+64°	1814 23	23.6 +64	53	8.3 93 " "
47	+61°	2413 23	10.3 +61	10	6.5 117 " "
48	+61°	2424 23	13.8 +61	21	8.0 ✓
49	+61°	2427 23	13.9 +61	11	6.5 119 on T37909
50	+61°	1428 13	14.3 +61	25	6.0 120 " "
51	+61°	2433 23	14.7 +61	13	7.5 ✓
52	+61°	2423 23	13.2 +61	56	7.2 ✓
53	+61°	2426 23	13.9 +61	50	7.3 ✓
54	+61°	2430 23	14.5 +61	37	7.6 ✓
55	+62°	2204 23	9.1 +62	6	8.5 ✓
56	+62°	2199 23	7.8 +62	27	8.4 ✓
57	+61°	1444 23	18.4 +61	29	5.3 121 on T37909
58	+60°	2539 23	19.4 +60	38	8.2 ✓
59	+60°	1550 23	21.6 +60	40	7.9 133 on T37909
60	+60°	2555 23	22.4 +60	38	8.7 ✓
61	+60°	2567 23	24.8 +60	40	8.5 ✓
62	+59°	2740 23	25.1 +59	44	9.0 ✓
63	+61°	2471 23	26.3 +61	5	23 26 8 +61 8.5 9.5 8.3 ✓ +61° 2470 magn. 9.5
64	+61°	2469 23	26.0 +61	28	8.8 ✓
65	+60°	2578 23	27.6 +60	38	8.5 ✓
66	+60°	2586 23	29.1 +60	6	8.1 ✓
67	+60°	2583 23	28.9 +60	34	8.5 ✓
68	+61°	2492 23	32.5 +61	17	8.8 ✓
69	+61°	2493 23	32.7 +61	38	8.5 ✓
70	+62°	2275 23	35.2 +62	9	8.7 ✓

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1917phae.proj.2219C

Wednesday June 27, 1917

D 38937

71	3	F8
72	1	a
73	1	K2
74	2	a E.
75	2	F5
76	1	a
77	2	K0
78	2	G5 (northern star)
79	2	F0
80	2	a
81	2	A0 (Prec of K5)
82	2	B
83	2	K0
84	2	G0
85	1	K0
86	1	K2
87	1	K5
88	2	A0
89	5	K2
90	7	A2
91	3	K0
92	4	A0
93	4	K0
94	5	A0
95	3	K0
96	3	G5

cont. 145, 766

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1917phae..proj..221GC

71	+63°	2030	23	33.2	+63	31	8.0 81 on I37909
72	+63°	2026	23	31.6	+63	32	8.9 ✓
73	+63°	2022	23	30.1	+63	44	8.0 ✓
74	+59°	2773	23	40.2	+59	30	8.5 ✓
75	+60°	2625	23	42.6	+60	4	8.6 ✓
76	+60°	2628	23	43.4	+60	12	9.2 ✓
77	+60°	2633	23	45.6	+60	29	8.5 ✓
78	+62°	2246	23	26.5	+62	20	8.0 ✓
79	+61°	2455	23	22.5	+61	47	8.4 ✓
80	+61°	2435	23	15.8	+61	45	8.5 ✓
81	+63°	1966	23	11.7	+63	17	8.0 ✓
82	+59°	2813	23	54.3	+59	39	9.0 6 on I38060
83	+66°	1648	23	43.4	+66	46	8.5 ✓
84	+66°	1658	23	48.9	+66	3	8.2 ✓
85	+65°	1969	23	49.2	+65	56	7.9 ✓
86	+65°	1958	23	46.1	+65	36	8.2 ✓
87	+65°	1959	23	46.2	+65	58	8.0 ✓
88	+65°	11	0	4.0	+65	42	8.3 ✓

Identr. on cards by M.A.H. July 7, 1917
Identr. in book by A.M.C. July 9, 1917
Identr. compared by S.R.B. July 11, 1917

89	+62	2174	23	3.0	+62	8	6.6	101 on I37257
90	+61	2490	23	32.0	+61	20	6.5	140 on I37909
91	+61	2466	23	24.7	+61	18	8.0	138 " "
92	+61°	2454	23	21.6	+61	7	7.9	132 " "
93	+59	2769						21 on I37244
94	+59	2745						9 " "
95	+59	2744						10 " "
96	+62	2286						130 on I37809

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1917phae.proj.2219C

Thursday June 28, 1917

7 1 33 8 45 plate

1	2	K0			
2	2	G0	moisture streaks		
3	2	F8	E	18m	38.00
4	4	G0		125	"
5	2	F		19	"
6	3	F8		20	"
7	1	K5		22	"
8	2	G0		72	"
9	2	K5		71	"
10	2	F0		70	"
11	2	K5		87	"

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1917phae.proj.22196

1	+23°4603	22	39.2	+23	29	8.7	{ 112 on J3810
2	+23 4604	2	39.2	+23	28	8.7	

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1917phae.proj.2219c

June 28, 1917

I 34209 Shut

1 2 K0
2 2 9

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1917phae.proj..2219C

{ 122 on 137348
Combined light
Classified F.

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1917phae.proj.2219C

June 28, 1917

I 3 8936 Emb. June 12 & 28, 6P

51	10	F5
52	6	K5
53	1	A
54	1	K
55	2	G0
56	2	F5
57	1	K0
58	3	F8
59	2	K1
60	3	G0
61	1	G
62	1	A

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1917plate.proj.22196

51	+72°	1009	21	57.2	+72	28	5.0	30 on 7 38025
52	+74°	946	21	56.5	+74	17	6.4	109 " "
53	+73°	939	21	38.2~~9~~	+73	57	8.9 ✓	
54	+76°	840	21	32.2	+76	11	8.9 ✓	
55	+76°	832	21	16.0	+76	2	8.8	122 on 7 38025
56	+76°	831	21	15.7	+76	1	8.9	123 " "
57	+77°	819	21	26.7	+77	16	9.2 ✓	
58	+77°	841	21	59.6	+77	27	8.7 ✓	
59	+76°	862	22	27.5	+76	50	8.2 ✓	
60	+76°	863	22	28.6	+76	16	8.7 ✓	
61	+76°	841	21	32.8	+76	34	9.5 ✓	
62	+76°	842	21	35.3	+76	31	9.4 ✓	

Ident. on cards by M.A.H. July 7, 1917

Ident. in book by A.M.C. July 10, 1917

Ident. compared by G.R.C. July 11, 1917

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1917phae.proj.2219c

Friday, June 29, 1917
B 44061 long

1	5	F10
2	4	a9
3	6	F12

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1917phae.proj.2219c

✓	1 −7°	5433 20	46.2 −7	26	6.5	61 on B 22768
✓	2 −8°	5529 20	49.9 −8	16	7.3	62 " "
/	3 −6°	5604 20	43.7 −6	10	6.5	59 " "

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1917phae.proj.2219c

June 29, 1917
B37018 long

19 Fe
25 Ma

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1917phot.proj.22190

~	1	-26	15344	20	49.4	-26	46	6.1	Grad cam.
✓	2	-26	16975	20	46.6	-26	24	6.7	61 m B+6133.

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1917phae.proj.2219C

June 29, 1917
~~B40~~ B4320 J Cmy

1 7 B9

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1917phae.proj.2219c

✓ 1 −30 18 01 32.0 27.1 −30 54 6.4 22m B40728

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1917phae.proj.2219C

June 29 (91)
B8369 long.

1 7 Ao
2 7 B8

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1917phae.proj.2219c

✓ 1 −31 18291 24 21.6 −31 4'8 6.1 — 82m B4074

✓ 2 −30 18703 21 27.5 −30 15 6.4 74 " "

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1917phae.proj.2219C

June 29, 1917
B 39368 Re-exam

✓ 111 Fs

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1917phae.proj.2219c

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1917phae.proj.2219C

June 29, 1917
B 427 08 Long.

1 10 F0
2 7 95

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1917phae.proj.2219C

1	-44 1445	20	40.0	-44	27	5.4	2Fom	B3967
2	-42 1502	20	32.1	-42	8	6.3	119	" "

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1917phae.proj.2219C

Saturday, June 30, 1917

B 9783 cmt. 116, 178

53	2	G5
54	2	G5
55	1	K0
56	1	K0
57	1	G
58	1	K2
59	1	K2
60	2	F8
61	8	K0
62	2	G
63	1	K5
64	1	K0
65	2	K0
66	2	G0
67	3	F8
68	2	G0 (The prec. of two)
69	1	K2
70	1	K0
71	1	K5
72	3	A5
73	1	K5
74	2	G0

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1917phae.proj.2219C

53	−2°	5861	22	52.8	−2	58	9.0 ✓
54	−3°	5529	22	52.7	−3	3	9.2 ✓
55	−3°	5546	22	52.5	−3	38	9.1 ✓
56	−4°	5797	22	51.9	−4	14	9.0 ✓
57	−4°	5800	22	52.8	−4	6	9.3 ✓
58	−3°	5554	22	54.5	−3	46	9.3 ✓
59	−4°	5811	22	55.5	−4	36	9.0 ✓
60	−5°	5909	22	53.9	−5	9	9.0 ✓
✓ 61	−5°	5910	22	54.0	−5	29	6.0 1m B1733 ✓
62	−5°	5911	22	54.6	−5	44	9.2 ✓
63	−5°	5912	22	54.9	−5	44	9.3 ✓
64	−2°	5886	23	0.2	−2	53	8.9 ✓
65	−0°	4461	22	59.1	−0	59	8.8 ✓
66	−2°	5879	22	57.7	−2	25	9.3 ✓
67	−3°	5534	22	49.6	−3	36	9.0 ✓
68	−3°	5524	22	45.8	−3	15	9.2 ✓
69	−5°	5870	22	42.4	−5	7	9.0 ✓
70	−4°	5766	22	42.0	−4	24	9.2 ✓
71	−3°	5509	22	40.4	−3	39	9.0 ✓
72	−3°	5507	22	40.3	−3	36	9.0 ✓
73	−3°	5508	22	40.3	−3	48	9.2 ✓
74	−3°	5516	22	49.4	−3	14	9.1 ✓
~~75~~							

Ident in book by A.M.C. July 10, 1917
Ident. on cards by M.A.H. July 9, 1917
Ident. compared by G.R.B. July 11, 1917

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1917phae.proj.2219C

June 30, 1917
B 4 2007 long

1 7 Ko
2 7 Fe

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1917phae.proj.2219C

~ 1 - 9 6277 23 45.4 - 8 48 6.2 2 m 13 20146
~ 2 - 11 6146 6 " "

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1917phae.proj.2219C

Sunday, July 2, 1917

93 = 4596 cont from 48,212

141	3	F5
142	3	F8
143	4	Ma
144	2	G0
145	2	F8
146	3	F8
147	2	F8
148	2	F
149	2	K2
150	2	K0
151	2	A
152	2	A
153	3	B5
154	2	K0
155	2	G0
156	3	F8
157	2	A5
158		

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1917phae.proj.2219C

–	141	−19°	6552 23	52.4 −19	33	9.1 66 on B14623
–	142	−20°	6685 23	52.1 −20	20	8.8 68 " "
–	143	−22°	6225 23	48.6 −22	48	7.0 71 on B10109
	144	−19°	6564 23	58.0 −19	24	9.1 ✓
	145	−18°	6418 23	56.5 −18	32	9.1 ✓
	146	−19°	4 0	7.9 −19	18	8.8 ✓
	147	−19°	5 0	2.8 −19	40	9.4 ✓
	148	−19°	6 0	2.9 −19	40	9.5 ✓
	149	−18°	11 0	4.2 −18	46	8.7 ✓
	150	−17°	14 0	4.6 −17	37	8.7 ✓
	151	−18°	30 0	7.7 −18	4	9.2 ✓
	152	−18°	31 0	8.1 −18	43	9.0 ✓
	153	−19°	25 0	9.1 −19	4	8.8 ✓
	154	−19°	23 0	8.5 −19	45	9.0 ✓
	155	−21°	26 0	9.9 −21	17	9.1 ✓
	156	−18°	6416 23	56.2 −18	24	8.8 ✓
	157	−23°	1806 23	42.2 −23	22	9.5 ✓

Ident. ~~on~~ cards by M.A.H. July 7, 1917
Ident ~~in~~ bwl. by A.M.C. July 9, 1917
Ident. compared by G.R.B. July 11, 1917

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1917phae.proj.2219C

July 2, 1917
B837 8 comp

1	6	B2
2	7	A0

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1917phae..proj..221gC

✓	1	−17°	655422	28.3 −17	8	7.0 102 on B 40869
✓	2	−15°	623122	22.5 −15	19	6.8 52 " B 14183

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1917phae.proj.2219c

Tuesday, July 3, 1917

B 3 9 6 7 5 cont. from 56, 48

149 2 Fe

150 2 K

151 8 As

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1917phae.proj.22t9c

149 -51°	13717	23	49.4	- 51	53	9.3 ✓
150 - 53°	10562	23	52.6	- 53	12	9.4 ✓

Idents. on cards by M.A.H. July 6, 1917

Idents in book by A.M.C. July 9, 1917

Idents. compared by G.R.B. July 11, 1917

157 -54 10393

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1917phae.proj.2219C

July 3, 1917
B 12003 Lmp.

1 7 Fz

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1917phae.proj.2219C

✓ 1 −30°18′43″23 0.2 −30 44 6.)36 m B41896

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1917phae.proj.2219C

July 3, 1917
B 3 6 1-9 Lmg

1 8 Fig

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1917phae.proj.2219C

/ 1 -50 N929 20 12.6 -5 U 23 5:5 Wm B39666

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1917phae.proj.2219C

July 3, 1917
B37182 lmg

18 a3

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1917phae.proj.2219c

✓ 1 -47°14651 23 32.8 -47 20 6.29 m B3 9 6 7

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1917phae.proj.2219C

Wednesday July 4, 1917

B5 42095 comb from B5, 13 P

156	4	F10
157	2	F1
158	3	As-

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1917phae.proj.2219C

156 − 56°	~~111~~ 109	0	29.2 − 56	53	7.9 ✓
157 − 56°	82	0	22.7 − 56	26	8.6 ✓
158 − 59°	7946	23	51.1 − 59	31	8.7 ✓

Ident. on cards by M.A.H. July 9, 1917
Ident in book by A.N.C. " "
Ident. compared by G.R.B. " 10 1917

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1917phae.proj.2219C

Thursday, July 5, 1917

B 39669 cont. from 122, 120

183	2	70
184	2	90
185	2	90
186	2	75
187	4	78
188	1	95
189	2	95
190	3	95
191	3	90
192	3	90
193	3	75
194	3	78
195	2	90
196	2	80
197	2	90
198	1	95
199	2	80

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1917phae.proj.2219C

183	−48°	14025	21	42.0	−48	57	9.6 ✓
184	−51°	13187	22	0.9	−51	14	9.4 ✓
185	−51°	13200	22	3.6	−51	28	9.5 ✓
186	−50°	13605	22	4.6	−50	54	9.3 ✓
187	−52°	11993	22	4.9	−52	19	8.7 ✓
188	−52°	11996	22	6.3	−52	8	9.3 ✓
189	−53°	10262	22	6.1	−53	55	9.2 ✓
190	−53°	10274	22	8.5	−53	15	9.4 ✓
191	−53°	10282	22	13.1	−53	16	9.2 ✓
192	−53°	10283	822	13.8	−53	49	9.2 ✓
193	−53.4°	10059	22	12.1	−53.4	21	9.2 ✓
194	−53.4°	10052	22	9.6	−53.4	23	9.0 ✓
195	−53.4°	10050	22	9.0	−53.4	42	9.4 ✓
196	−53.4°	10039	22	6.5	−53.4	52	9.2 ✓
197	−54.5°	9810	22	5.9	−54.5	13	8.9 ✓
198	−54.5°	9801	22	4.0	−54.5	16	9.0 ✓
199	−50°	13598	22	1.0	−50	30	9.3 ✓

Ident. on cards by M.A.H. July 6, 1917

Ident in book by A.M.C. July 10, 1917

Ident. compared by G.R.B. July 11, 1917

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1917phae.proj.2219C

July 5, 1917
B 19941 emb. from 122, 98

107	2	K0
108	5-	F2
109	2	A2
110	1	K5-
111	2	K5-
112	3	F8
113	3	A2

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1917phae.proj.2219C

107	−47°	1h119	22	7.6	−47	24	8.9 ✓
108	−47°	1h118	22	7.4	−47	9	8.2 ✓
109	−47°	1h117	22	7.3	−47	6	9.2 ✓
110	−46°	14254	22	8.2	−46	28	8.9 ✓
111	−46°	14253	22	8.1	−46	26	8.7 ✓
112	−45°	14626	22	6.1	−45	58	8.8 ✓
113	−45°	14621	22	5.4	−45	55	8.8 ✓

Ident. on cards by M.A.H. July 9, 1917
Ident in book by A.M.C. July 10, 1917
Ident. compared by E.R.B. July 11, 1917

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1917phae.proj.2219C

July 5, 1917
B20549 cont. from 123, 30

105	2	g_0
106	2	g_0
107	2	g_0
108	2	a_0
109	2	g Partly super. on 110
110	1	K_5
111	2	a_0
112	2	g_5
113	2	K_2
114	3	g_5
115	3	a_0
116	2	g
117	3	g_0
118	3	g_0
119	2	K_0
120	2	g_5
121	2	g_5
122	2	g_0
123	1	g
124	2	g_0
125	2	F_2
126	2	g_5
127	2	a_0
128		

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1917phae.proj.2219C

105	−44°	1H839 22	9.6	−44	16	9.5 ✓
106	−44°	1H843 22	10.6	−44	16	9.5 ✓
107	−44°	1H848 22	10.9	−44	29	9.6 ✓
108	−44°	1H840 22	9.7	−44	51	9.8 ✓
109	−44°	1H833 22	8.7	−44	59	9.0 ✓
110	−45°	1H647 22	8.8	−45	7	9.4 ✓
111	−45°	14650 22	9.1	−45	11	9.8 ✓
112	−45°	14653 22	9.6	−45	22	9.4 ✓
113	−45°	14657 22	5.7	−45	17	8.7 ✓
114	−44°	14815 22	5.6	−44	22	8.7 ✓
115	−43°	1H999 22	13.6	−43	52	9.8 ✓
116	−43°	15012 22	14.6	−43	43	9.6 ✓
117	−43°	15010 22	14.5	−43	51	9.4 ✓
118	−44°	1H882 22	15.1	−44	22	9.5 ✓
119	−42°	15897 22	15.8	−42	34	9.1 ✓
120	−42°	15890 22	15.2	−42	30	9.3 ✓
121	−42°	15886 22	13.9	−42	11	9.4 ✓
122	−42°	15869 22	11.8	−42	22	9.1 ✓
123	−42°	15870 22	11.8	−42	30	9.6 ✓
124	−41°	1H833 22	11.7	−41	55	9.4 ✓
125	−41°	1H823 22	9.7	−42	0	9.3 ✓
126	−42°	15839 22	8.2	−42	27	9.2 ✓
127	−45°	14637 22	7.1	−45	7	9.8 ✓

Ident. on cards by M. A. H. July 9, 1917
Ident in book by A.M.C. July 10, 1917
Ident. confirmed by S.B.B. July 11, 1917

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1917phae.proj.2219C

July 5 1917

B 21397 Re-exam

✓ 88 Ao

B 38368 Re-exam

✓ 77 Ko

B 38109 Re-exam

✓ 110 F5 Faint

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1917phae.proj.2219C

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1917phae.proj.2219C

July 5, 1917
B 3626 Long.

1 7 Ap
2 5 Ko

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1917phae.proj.2219C

✓	1	-75°	16 97 21	4.6	-75	52	7.0 46 m B 1996 4
✓	2	-76°	14 73 20	54.3	-76	42	7.2 38 " "

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1917phae.proj.22190

July 5, 1917

B ~~5603~~ 5063

1 5 As

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1917phae.proj.2219C

✓ 1 -78° 1430 21 48.7 -78 16 7.3 82 on B19964

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1917phae.proj.2219C

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1972ApJ...176..219C

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