

1916phae.proj.2214C

This book has been examined for additional stars by
A.M.C. October 7, 1916

April 10, 1916
 9 13 50 87 Re-examination

✓	22	A
✓	23	A
✓	24	As
✓	27	As-
✓	31	A
✓	47	A
✓	53	As
✓	62	g
✓	64	g
✓	66	As
✓	68	g
✓	100	g
✓	106	A
✓	106a	A
✓	113	g
✓	121	A
✓	125	As-
✓	128	As

Lenses very indistinct

conf. n 131002 short

April 12, 1916

Ms 24103 Re-examination

✓	35	g	
✓	38	Ko	
✓	53	K5	
✓	60	K5-	
✓	75	F15-	very fl.
✓	89	K2	
✓	103	K5	
✓	109	g0	
✓	115	g5	
✓	122	Ko	
✓	131	F15-	very fl.
✓	132	F15-	Perhaps K5
✓	134	K	
✓	142	F15	

April 12, 1916

B24090

Re-exam

✓ 68

90

✓ 116

122

✓ 139

155

Maybe K₀

April 12, 1918

B 23791

Re-exam

- 27 Fis - 4401066 superposed

April 12, 1918
B10410 Re-exam

✓	22	g
✓	26	Ko

Saturday, April 22, 1916

B12259

Re-examination

19	As-
21	As
28	K2
31	K0
71	Ar
87	g
99	H
101	Ks-
103	g
106	Hs-
107	g0

Perhaps As

April 22, 1916
B 39655 Re-exam

✓	6	Fo
-	9	Ko
-	10	Go
-	21	F1
-	24	As-
-	29	Ko
-	38	Go
-	45	G
-	47	G
-	55	Ko
✓	67	G
-	70	G
✓	75	Go
-	78	G
✓	84	Ko
-	88	Kr
✓	99	F15-
✓	100	G
✓	117	G5-
✓	120	G
-	121	G
✓	122	G
✓	126	G
✓	127	G0
✓	128	G5
-	145	Ko

Image indistinct

April 22, 1916
B39455 Reexamination cont.

- 146 Ko
- 151 Ly
- 152 ss
- 153 ss
- 156 & Q
- 161 ss-
- 164 Ko
- 170 Fr

April 22, 1916
B ~~409~~ 24621 Re-man

✓ 77 90

1916phae.phoj.2214C

Wednesday, April 26, 1916

B 46180 short

No	mt	class	Remark
11135	1 2	F8	
✓	2 1	F8	
✓	3 2	A2	
	4 1	K5	
✓	5 1	A3	
	6 2	G5	
✓	7 1	A2	
✓	8 1	K0	
✓	9 1	A2	
✓	10 2	F5	
	11 3	K0	
	12 1	G0	
✓	13 1	G0	
✓	14 1	A	
	15 2	A5	
	16 2	G0	
✓	17 2	A2	
	18 1	K0	
✓	19 1	K2	
✓	20 2	A3	
✓	21 2	G0	
✓	22 2	F5	
✓	23 1	K0	
✓	24 1	K5	
✓	25 2	K5	
✓	26 2	G0	

✓	1 +0°	711	4	5.2 +0	22	9.0	83 on 9 37593
	2 +0°	717	4	7.2 +0	18	9.0	
	3 -0°	662	4	7.0 ± 0	43	8.8	
✓	4 -2°	844	4	7.3 -2	30	7.8	36 " "
	5 -0°	667	4	8.6 -0	49	9.0	
✓	6 +0°	723	4	8.7 +0	53	8.7	79 " "
	7 +1°	725	4	8.0 +1	39	9.0	
	8 +1°	730	4	10.0 +1	47	8.8	
	9 +2°	677	4	10.1 +2	1	9.5	
	10 +2°	683	4	11.5 +2	20	9.0	
✓	11 +2°	695	4	14.9 +2	44	8.4	64 " "
✓	12 +2°	698	4	15.8 +2	45	9.0	62 " "
	13 -0°	696	4	16.8 ± 0	5	8.7	
	14 -0°	694	4	15.8 -0	18	8.8	
✓	15 -2°	874	4	13.7 -2	18	9.0	23 " "
✓	16 -1°	635	4	16.6 -1	4	9.0	11 " "
	17 -0°	697	4	17.3 -0	41	9.0	
✓	18 -0°	701	4	18.4 -0	23	8.3	10 " "
	19 +0°	754	4	18.6 +0	20	9.0	
	20 +0°	758	4	19.9 +0	6	8.8	
	21 +0°	764	4	21.1 +0	26	9.3	
	22 +0°	770	4	22.4 +0	22	9.0	
	23 +1°	765	4	24.8 +1	13	9.0	
	24 +1°	763	4	24.1 +1	44	9.5	
✓	25 +1°	764	4	24.1 +1	51	9.0	110 on 938063
	26 +2°	729	4	24.7 +2	17	9.3	

Wednesday, April 26, 1916

B 46180 short

no	int	class	Remark
27	2	K ₀	
28	2	A ₃	
✓ 29	2	K ₂	
✓ 30	2	F ₀	
✓ 31	3	g ₅	
32	4	A ₀	
33	2	A ₂	
✓ 34	1	A ₀	
✓ 35	2	A ₂	
✓ 36	1	g ₅	
✓ 37	1	A ₀	
✓ 38	2	A ₂	
✓ 39	2	F ₀	
40	3	F ₂	
41	3	K ₅	
✓ 42	2	A ₂	
✓ 43	2	F ₀	
44	4	A ₀	
✓ 45	2	K ₀	
46	1	g ₅	
47	1	g ₅	
48	3	g ₀	
✓ 49	3	g ₀	
11-45 ✓ 50	1	A ₀	
51	3	A ₂	
52	1	g ₅	

✓	27 +2°	726	4	23.6 +2	36	8.5 27	109	m138063
✓	28 +3°	617	4	26.2 +3	8	8.9	95	" "
	29 +4°	704	4	23.8 +4	16	8.8		
	30 +4°	708	4	25.5 +4	39	8.5		
	31 +5°	678	4	26.1 +5	5	8.4		
✓	32 +3°	603	4	19.4 +3	57	8.9	101	on 937593
✓	33 +4°	692	4	18.9 +4	15	9.0	102	" "
	34 +3°	597	4	16.0 +3	39	9.3		
	35 +4°	679	4	14.4 +4	0	9.1	+4° 680 mag. 9.5 sup. at north	
	36 +4°	678	4	13.6 +4	7	8.9		
	37 +3°	589	4	13.1 +3	55	9.0		
	38 +4°	677	4	13.2 +4	7	9.0		
	39 +4°	671	4	10.8 +4	7	8.9		
✓	40 +4°	673	4	11.0 +4	23	8.7	123	" "
	41 +4°	672	4	10.9 +4	35	8.5	124	" "
	42 +5°	627	4	11.8 +5	7	9.1		
	43 +5°	636	4	13.9 +5	2	9.0		
✓	44 +4°	664	4	8.7 +4	5	9.0	127	J 37593
	45 +3°	578	4	8.0 +3	37	9.0		
✓	46 +4°	648	4	4.4 +4	19	9.0	134	J 37593
✓	47 +4	650	4	4.5 +4	48	9.2	28	~ J 37566
✓	48 +4°	642	4	1.5 +4	22	8.7	122	J 37593
	49 +2°	654	4	2.0 +2	53	8.7		
	50 +2°	663	4	6.3 +2	44	9.0		
✓	51 +1°	737	4	12.7 +1	38	8.8	69	J 37593
✓	52 +3°	579	4	9.0 +3	9	9.0	130	" "

Wednesday, April 26, 1916
B 46180 short

No	Int	Class	Remark
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53	3	L ₀	
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54	2	F ₁₀	
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55	2	K ₀	
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56	3	F ₅	
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11:45	57	1	A ₅
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	58	1	L ₅
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	59	2	A ₃
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	60	2	A ₀
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	61		
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✓	53 + 3°	612 4	23.3 + 3	10	8.8 97 m	937593
✓	54 + 1°	728 4	8.9 + 1	43	8.8 114	" "
✓	55 + 3°	574 4	7.2 + 3	0	8.5 119	" "
✓	56 + 5°	683 4	15.4 + 5	16	8.5 107	" "
✓	57 + 6°	663 4	12.2 + 6	10	8.9 17 m	937566
✓	58 + 5°	634 4	13.5 + 5	54	8.7 15	" "
✓	59 + 6°	669 4	14.6 + 6	11	8.8 13	" "
✓	60 + 6°	687 4	19.8 + 6	17	9.0 4	" "

Ident. on cards by A.M.C. May 12, 1916

Ident in book by M.A.H. May 15, 1916

Identification compared by A.M.C. May 16, 1916

Wed. April 26, 1916

(Cont from 94. P. 112)

B 15135 short

No	Int	Class	Remark
12038	71	4	F15
	72	3	A2
	73	4	A0
	74	5	A0
	75	4	F18
	76	5	A0
	77	2	G0
	78	4	G0
	79	4	F16
	80	4	F18
	81	4	A0
	82	4	G5
	83	3	A0
	84	3	F18
	85	2	G0.

✓	71 +1°	850	4	46.6 +1	5	8.2	58	on 9	38063
✓	72 +1°	843	4	45.9 +1	17	8.8	56	"	"
✓	73 +1°	829	4	43.4 +1	39	8.5	51	"	"
✓	74 +0°	832	4	36.4 +0	44	8.8	78	"	"
✓	75 +1°	805	4	36.4 +1	6	8.7	77	"	"
✓	76 +2°	763	4	38.3 +2	45	8.5	87	"	"
✓	77 +2°	742	4	31.2 +2	9	9.2	102	"	"
✓	78 +0°	797	4	29.2 +0	35	9.0	63	"	"
✓	79 -0°	746	4	32.7 -0	44	8.5	70	"	"
✓	80 -0°	739	4	31.3 -0	42	8.8	68	"	"
✓	81 -0°	735	4	30.7 -0	57	9.0	67	"	"
✓	82 +3°	623	4	28.4 +3	46	8.5	97	"	"
✓	83 +6	733	4	32.3 +6	5-	8.9	20	9	38083
✓	84 +5-	696	4	30.2 +5-	30	8.7	12	"	"
✓	85 +4	708	4	25.5 +4	59	8.5-	5-	"	"

April 26, 1916.
B14949 conts from 57, 66

	54	2	F8
	55	2	A2
	56	2	K0
	57	3	F0
	58	3	F5
Trans. May 2, 1916	59	2	K5
	60	4	K0
	61	6	B9
	62	6	K2
	63	6	K0
	64	6	A0
	65	5	B9
	66	3	A0
	67	1	K0
	68	2	A0
	69	1	G0
	70	6	B9
	71	5	B9
	72		

✓	54	+0°	902	4	48.5	+0	32	9.0	51 a m	938183
✓	55	+0°	878	4	44.7	+0	29	8.8	16	" "
✓	56	-0°	782	4	42.1	-0	53	8.3	36	on 938063
✓	57	-2°	1021	4	41.1	-2	7	8.6	33	" "
✓	58	-0°	825	4	53.8	-0	22	8.8	44	" 938183
✓	59	-4°	996	4	52.2	-4	25	8.1	40	m B 17409
✓	60	-2°	1094	4	53.0	-2	9	8.3	7	" "
✓	61	-2°	1088	4	52.2	-2	17	8.8	6	" "
✓	62	-3°	909	4	44.3	-3	55	7.3	31	" "
✓	63	-4°	954	4	43.3	-4	7	7.3	30	" "
✓	64	-5°	1062	4	44.6	-5	37	8.2	70	" "
✓	65	-3°	980	4	54.8	-3	8	9.0	"	" "
	66	-5°	1086	4	48.3	-5	22	9.0	✓	
	67	-1°	758	4	48.7	-1	54	8.8	✓	
	68	-1°	763	4	50.4	-1	45	8.8	✓	
	69	-1°	765	4	51.4	-1	11	8.8		
✓	70	-0°	802	4	48.0	-0	36	8.5	2	on B 17409
✓	71	-1°	796	4	57.8	-1	30	8.5	16	" "

no. 66 - 69 inc. ident. on cards by J.B.M. May 19, 1916.
 " " " " in book by M.A.H. May 24, 1916.

Thursday, April 27, 1946

I 38204 emb. from 57,130

No	Int	Class	Remark
26	2	A2	
27	4	A0	
28	1	F8	
29	2	A2	
30	2	A0	
31	1	K0	
32	2	F8	
33	1	F5	
34	4	A0	
35	2	A0	
36	2	A5-	
37	3	A0	
38	3	A0	
39	2	B9	
40	2	G5	

✓	26 +9°	711	4	54.6 +9	27	8.5	79	on J38075
✓	27 +10°	676	4	49.2 +10	34	8.4	78	" "
	28 +9°	688	4	48.1 +9	58	9.1		
✓	29 +8°	803	4	48.2 +8	54	9.0	71	" "
✓	30 +7°	749	4	45.5 +7	26	8.5	53	" "
✓	31 +8°	789	4	44.8 +8	7	8.8	69	" "
✓	32 +7°	730	4	42.2 +7	26	8.5	61	" "
✓	33 +7°	756	4	48.1 +7	9	8.8	87	" "
✓	34 +9°	751	5	2.2 +9	46	8.0	84	" "
✓	35 +12°	719	4	56.5 +12	30	8.6	41	on I37544
✓	36 +12°	714	4	55.3 +12	27	8.5	40	" "
✓	37 +12°	699	4	52.6 +12	25	8.3	35	" "
✓	38 +12°	697	4	52.4 +12	22	8.3	34	" "
✓	39 +7	796	4	57.9 +7	58	8.7	103	" J38167
✓	40 +13	749	4	49.6 +13	47	8.6	47	on J38920

Friday, April 28, 1916

937593

Ri-eman

✓ 90 Go

Saturday, April 29, 1916

I 37 3 87 Re-exam

✓	12	R
✓	24	G
✓	45	G
✓	52	A
✓	62	Ar
✓	83	Ar
✓	88	A

Perhaps Ar

April 28, 1916

Cont. from B 94, p. 192 B14663

106 6	A ₀
107 5	A ₀
108 4	A ₀
109 5	K ₀
110 4	A ₀
111 5	A ₀
112 3	A ₀
113 4	A ₀
114 4	A ₅
115 3	A ₂
116 3	K ₂
117 5	K ₂
118 8	A ₀
119 3	A ₀
120 3	A ₀
121 3	A ₂
122 5	A ₀
123 3	A ₀
124 4	A ₀
125 4	K ₀
126 4	A ₀
127 2	G ₅
128 2	G ₀
129 6	A ₀
130 6	B ₉
131 3	A ₀

✓	106+1°	896	4	58.4 + 1	40	8.5	218	on I37594
✓	107+1°	911	5	1.1 + 1	5	9.0	139	" "
✓	108+1°	923	5	3.1 + 1	10	9.0	138	" "
✓	109+1°	954	5	8.7 + 1	35	8.2	206	" "
✓	110+1°	959	5	9.5 + 1	41	9.1	204	" "
✓	111+1°	952	5	8.4 + 1	10	8.7	207	" "
✓	112+0°	1011	5	11.9 + 0	58	8.9	128	" "
✓	113+0°	1013	5	12.2 + 0	42	9.0	127	" "
✓	114+0°	1018	5	13.2 + 0	27	9.2	126	" "
✓	115+0°	1019	5	13.4 + 0	52	8.8	125	" "
✓	116+1°	982	5	14.0 + 1	43	8.9	124	" "
✓	117+1°	992	5	15.6 + 1	9	7.8	122	" "
✓	118+0°	1035	5	15.6 + 0	55	7.9	121	" "
✓	119+0°	1009	5	11.6 + 0	18	9.3	129	" "
✓	120-0°	912	5	10.6 - 0	26	9.0	54	" "
✓	121-0°	911	5	10.3 - 0	32	8.9	55	" "
✓	122-1°	844	5	9.3 - 1	4	8.8	⁵⁶ 65	" "
✓	123+0°	992	5	7.5 + 0	16	9.2	133	" "
✓	124-0°	878	5	5.0 - 0	40	9.1	65	" "
✓	125-0°	877	5	5.0 - 0	9	8.7	64	" "
<i>This star did not need to be done</i>		1017	5	19.8 + 1	28	9.1		
	126+1°	877	5	5.0 - 0	9	8.7	104	" "
✓	127+1°	1016	5	19.5 + 1	11	9.2	105	" "
✓	128+0°	1068	5	19.5 + 0	31	9.5	111	" "
✓	129+1°	879	5	16.1 - 1	8	8.5	46	" "
✓	130+1°	1015	5	19.3 + 1	56	8.7	181	" "
✓	131+1°	1011	5	18.7 + 1	46	9.2	182	" "

April 28, 1916

B14663

132 4	A ₀
133 3	g ₅
134 4	A ₀
135 3	F ₅
136 3	A ₀
137 5	A ₂
138 5	B ₉
139 4	A ₀
140 4	A ₃
141 7	A ₀
142 6	K ₀
143 6	A ₀
144 1	K ₅
145 4	g ₅
146 6	B ₉
147 3	A ₀
148 1	A ₀
149 4	F ₂

✓	132 + 2°	953	5	17.6 + 2	36	9.0	187	on I 37594
✓	133 + 3°	873	5	15.4 + 3	3	8.5	191	" "
✓	134 + 3°	891	5	18.3 + 3	41	9.0	243	" "
✓	135 + 4°	922	5	17.6 + 4	4	8.5	244	" "
✓	136 + 3°	858	5	13.8 + 3	39	9.0	196	" "
✓	137 + 3°	832	5	8.9 + 3	3	8.7	256	" "
✓	138 + 4°	868	5	6.0 + 4	2	8.4	261	" "
✓	139 + 5°	842	5	5.1 + 5	6	9.0	266	" "
✓	140 + 5°	820	5	1.9 + 5	42	8.7	271	" "
✓	141 + 4°	840	4	59.9 + 4	20	8.4	220	" "
✓	142 + 3°	767	4	58.5 + 3	36	7.9	219	" "
✓	143 + 2°	865	4	59.8 + 2	15	9.1	216	" "
✓	144 + 5°	884	5	11.9 + 5	1	8.6	248	" "
✓	145 + 4°	895	5	10.8 + 4	52	8.5	249	" "
✓	146 + 5°	877	5	8.7 ^{10.5} + 5	9	8.4	250	" "
✓	147 + 6	887	5	9.8 + 6	59	8.7	43	" J 38117
✓	148 + 5	870	5	9.2 + 5	48	9.0	46	" "
✓	149 1-0	846	4	59.7 - 0	6	8.6	2	on J 2381

lent. from B 94, 120

B 39685

No	Int	Class	Remark
106	4	Ko	
107	4	B9	
108	4	A3	
109	5	B8	
110	3	Ao	
111	3	Ao	
112	4	Ao	Star class A sup. on foll. + 2° 996
113	2	Ao	
114	3	Ao	
115	4	Ao	
116	3	Ao	Star class A sup. on free. + 3° 937
117	4	Ao	
118	4	A2	
119	4	Ko	
120	3	F8	
121	5	Ao	
122	2	Ao	
123	3	Ao	
124	3	Ao	
125	4	B9	
126	5	B9	
127	4	Ao	
128	5	A5	
129	4	F2	
130	3	K2	
131	3	G5	

Friday, Apr. 28, 1916
3:27

✓	106 +6°	962	5	27.0 +6	28		222	on I 37594
✓	107 +5°	951	5	24.4 +5	56	9.0	225	" "
✓	108 +5°	954	5	25.4 +5	10	8.4	223	" "
✓	109 +4°	975	5	26.6 +4	43	8.8	152	" "
✓	110 +4°	979	5	27.8 +4	44	8.9	148	" "
✓	111 +2°	999	5	25.9 +2	33	9.2	74	" "
✓	112 +2°	995	5	25.5 +2	24	9.0	75	" "
✓	113 +1°	1050	5	24.4 +1	59	9.3	80	" "
✓	114 +3°	933	5	22.5 +3	26	9.2	166	" "
✓	115 +3°	932	5	22.3 +3	27	9.0	167	" "
✓	116 +3°	939	5	22.9 +3	37	8.9	164	" "
✓	117 +3°	920	5	21.3 +3	31	8.8	169	" "
✓	118 +6°	912	5	14.5 +6	53	8.4	275	" "
✓	119 +6°	908	5	14.2 +6	52	8.1	277	" "
✓	120 +7°	891	5	17.9 +7	42	8.9	21	on 938167
✓	121 +8°	959	5	18.6 +8	7	8.1	20	" "
✓	122 +9°	832	5	18.3 +9	24	9.0	14	" "
✓	123 +9°	836	5	19.1 +9	35	9.3	12	" "
✓	124 +10°	791	5	21.0 +10	21	9.2	6	" "
✓	125 +9°	889	5	28.1 +9	44	9.0	24	on 938223
✓	126 +9°	888	5	28.0 +9	26	8.8	23	" "
✓	127 +9°	920 914	5	32.2 31.6 +9	23	9.0 9.0	36 128	" "
✓	128 +6°	986	5	21.8 +6	49	8.5	112	on 914071
✓	129 +5°	968	5	28.8 +5	26	9.0	65	" "
✓	130 +5°	986	5	32.4 +5	35	8.2	68	" "
✓	131 +7°	989	5	35.8 +7	54	8.5	134	938223

Friday, April 28, 1916

B 39685 short

No	Int	Class	Remark
132	2	A0	
133	2	F8	
134	4	K0	
135	2	G5-	
136	2	A	Superposed on +3° 871 magn. 5.3
137	2	A3	

✓	132 + 7°	999	5	37.5 + 7	42	9.0	137 on 938223
✓	133 + 7°	1007	5	39.2 + 7	59	8.6	138 "
✓	134 + 5°	996	5	35.0 + 5	46	8.1	71 on 914071
✓	135 + 8°	914	5	31.6 + 9	0	9.0	128 " ✓ 38223
	136 + 3°	872	5	15.2 + 3	25	7.5	✓
✓	137 + 7	1009	5	32.4 + 7	27	8.0	41 on B.38412

Friday, Apr. 28, 1916 (Cont. from Pl 59, p. 6)

938223

No	out	Class	Remark
156	8	B ₉	
157	4	K ₀	
158	2	B ₉	
159	2	A ₀	
160	2	B	
161	3	A ₀	
162	8	{ A ₅	Composite.
163	A ₅ -	14	

✓	156	+9°	1016	5	48.5	+9	29	6.5	128	on	J14071
✓	157	+8°	1133	5	51.6	+8	24	8.0	105	on	J14071
✓	158	+13°	996	5	42.3	+13	20	9.0	147	"	J37568
✓	159	+12°	925	5	44.1	+12	50	8.4	148	"	"
✓	160	+13°	1026	5	46.5	+13	48	8.2			
✓	161	+13	1027	5	46.6	+13	48	8.7	137	m	J37568
✓	162	+12	968	5	50.7	+12	47	6.5	47	"	"
✓	163	+14	1027	5	38.4	+14	✓ 8	8.2	181	"	"

April 29, 1916
B. 4663 Re-run

✓	37	As
✓	65	Ar
✓	67	As
✓	68	As
✓	70	K
✓	72	A

April 29, 1916
138147 Re-exam

- 70 95-

Monday, May 1, 1916
 138161 Re-yes

20. Two spectra in nearly same R. A. but
 different declination, northern sp. R. as
 shown by Lso plate

19 A - Perhaps A5
 29 G5
 35

Tuesday, May 2, 1916

B 2298 long

	No	Int	Class	Remark
11:47	1	5	A ₀	
	2	4	Ma	
	3	5	K ₂	
	4	6	A ₀	
	5	4	A ₀	
	6	3	B ₉	
	7	4	F ₅	
	8	7	B ₅	
	9	4	A ₀	
	10	3	A ₂	
	11	4	A ₀	
	12	3	B ₈	
	13	3	A ₀	
11:49	14	4	A ₀	
	15	5	B ₉	
	16	3	B ₉	
	17	5	G ₀	
	18	4	A ₅	
	19	3	A ₂	
	20	8	B ₉	

✓	1 - 8°	884 4	26.6 - 8	34	7.0	44	on B12685
✓	2 - 8°	887 4	27.2 - 8	32	4.6	45	" "
✓	3 - 9°	930 4	27.3 - 9	16	5.0	46	" "
✓	4 - 10°	958 4	28.3 - 10	2	8.2 7.3	139	" "
✓	5 - 8°	894 4	29.9 - 8	45	7.7	49	" "
✓	6 - 8°	903 4	31.9 - 8	31	7.7	53	" "
✓	7 - 9°	969 4 970	36.6 - 9	4.0	7.0 8.0	122	" "
✓	8 - 8°	929 4	37.1 - 8	46	5.8	123	" "
✓	9 - 9°	986 4	41.3 - 9	46	7.7	115	" "
✓	10 - 9°	995 4	42.4 - 9	16	7.7	113	" "
✓	11 - 8°	960 4	44.7 - 8	39	7.3	96	" "
✓	12 - 5°	1046 4	42.1 - 5	14	7.5	80	" "
✓	13 - 6°	970 4	36.1 - 6	44	7.8	64	" "
✓	14 - 6°	969 4	35.6 - 6	2	6.8	63	" "
✓	15 - 10°	1032 4	45.7 - 10	44	7.8	145	" B24605
✓	16 - 10°	1028 4	44.8 - 10	32	7.2	143	" "
✓	17 - 5°	1044 4	41.4 - 5	56	6.3	81	" B12685
✓	18 - 8°	984 4	50.0 - 8	41	7.1	260	" B24605
✓	19 - 9°	1045 4	52.5 - 9	23	7.8	256	" "
✓	20 - 7°	838 4	26.8 - 7	2	5.8	23	" B17408

May 2, 1916
B23810 emb. from 44,102

212 2 $\frac{1}{15}$
213 3 $\frac{1}{12}$

✓	212	-20° 918	4	36.6	-20	4	9.0	19 m B12407
✓	213	-18 890	4	33.4	-18	24	8.5	23 m B12407

May 2, 1916
B24605-1 Re-ryan

✓	95	Go
✓	132	K2
✓	197	Fe
✓	240	Go
✓	317	Fe
✓	324	Ko
✓	341	K2
✓	353	Go

May 2, 1918
B17409 Re-uran

✓ 75- B9 Numerous plates long & short
Mammid.

May 2, 1916
B14664 Re-run

✓	3	A
✓	4	H
✓	11	A
✓	33	K
✓	42	As
✓	51	A
✓	117	A
✓	121	B8
✓	131	A
✓	135	G5-
✓	136	A
✓	137	A

Perhaps F5-

F5- May 2, 1916

May 2, 1916
B1237 8' Re return

✓ 11 Ks

Wednesday, May 3, 1916

B. 7401 cont. from 54, 40

No	Kit	Class	Remark
95	2	Ly0	
96	1	K0	
97	2	Ly0	
98	1	F5	

99	8	A2	
----	---	----	--

95	-29°	1837	4	36.6	-29	18	9.1	✓
96	-28°	1666	4	35.1	-28	47	9.1	✓
97	-25°	2028	4	38.9	-25	34	8.9	✓
✓ 98	-27	1666	4	10.3	-27	14	8.9	123 on B41072

Ident. on cards by J. L. M. May 19, 1916

Ident in book "M.A.H. May 24, 1916

Identification compared by A.M.C. May 26, 1916

99	-24°	2343	4	21.7	-24	22	6.2	196 on B 23810
----	------	------	---	------	-----	----	-----	----------------

Wed. May, 3, 1916

(Cont. from Bk. 45, P. 112.)

B 41080 short

No	Qty	Class	Remark
205	2	F8	
206	2	Go	
207	2	Go	
208	2	F5	
209	1	A	
210	2	G5	
211	2	Go	
212	25	F8	
213	1	F8	
214	1	K0	
215	1	G5	
216	2	K0	
217			

217 2 Go

205 - 32°	1893	4	32.4 - 32	49	8.8 ✓
206 - 32°	1890	4	32.0 - 32	49	8.6 ✓
207 - 34°	1783	4	33.3 - 34	9	8.9 ✓
208 - 34°	1774	4	32.4 - 34	46	8.8 ✓
209 - 33°	1800	4	29.0 - 33	56	9.2 ✓
210 - 33°	1750	4	24.0 - 33	42	8.5 ✓
211 - 33°	1746	4	23.3 - 33	41	8.9 ✓
212 - 33°	1740	4	23.1 - 33	47	8.7 ✓
213 - 33°	1742	4	23.2 - 33	7	9.3 ✓
214 - 29°	1751	4	25.2 - 29	31	8.7 ✓
215 - 29°	1754	4	25.7 - 29	34	8.9 ✓
216 - 33°	1867	4	36.2 - 33	18	8.7 ✓

Ident. on cards by J. E. M. May 19, 1916.

Ident. in book by M. A. H. May 24, 1916

Identification compared by A. M. C. May 26, 1916

✓ 217 - 30° 1773 4 15.0 - 30 40 8.5 6 Pm Bx1072

May 3, 1916

B 41680

Reveram

✓	3	K ₂
✓	4	A
✓	8	G ₅
✓	21	G ₀
✓	22	G
✓	36	K
✓	37	G ₀
✓	38	G ₀
✓	39	K ₅
✓	49	G ₀
✓	51	G ₀
✓	58	A ₀
✓	59	K ₀
✓	96	A
✓	104	G ₀
✓	110	G ₅
✓	111	G ₀
✓	107	K ₀
✓	128	K ₀
✓	129	A
✓	130	A
✓	131	G ₀
✓	143	A ₀
✓	144	K ₀
✓	153	A ₃
✓	154	K ₂

May 3, 1916
B41088 cont

- 157 K₂
- 168 A

May 3, 1916
M17402 Reman

- 66 12
✓ 88 Ko
- 91 90

May 3, 1916
B41072 Run.

- 26 g
- 43 Az
- 48 Az
- 64 K
- 72 g
- 122 go
- 138 K
- 154 go
- 159 Ap
- 162 g
- 164 g

May in fs
Conf. in B8656 trip
" " "

May 3, 1966
B23870 Re-exam

Probably Av. K not seen clearly

✓	5	gs-
✓	42	A
✓	46	Ko
✓	51	Ko
✓	56	Ko
✓	62	A3
✓	67	A2
✓	70	Ko
✓	73	Ao
✓	74	Ko
✓	79	fs-
✓	84	K
✓	86	Go
✓	87	A
✓	88	A
✓	96	K
✓	128	gs-
✓	137	Go
✓	141	K2
✓	152	fs
✓	159	Go
✓	160	Go
✓	162	fs
✓	168	fs
✓	178	Go
✓	184	Go
✓	205	A
✓	211	fs

May 3, 1916
B20533 Reman

- 16 K
- 70 F18
- 74 F1
- 98a G
- 145 A3
- 158 F10
- 159 K2

Thursday, May 4, 1916
 03 42 916 short

No.	hr	class	Remark
1	3	A0	
✓ 2	1	K0	
3	2	G0	
4	2	F5	
5	8	A0	
6	2	A3	
✓ 7	1	K0	
✓ 8	2	G0	
✓ 9	1	G5	
✓ 10	2	G5	
✓ 11	1	G0	
✓ 12	1	K0	
13			

13 2 A3

✓	1	-38°	1650	4	31.6	-38	25	8.5	2	on B 12287
	2	-37°	1836	4	33.1	-37	42	9.5		
	3	-38°	1664	4	33.4	-38	2	8.9	-38°	1664 mag. 9.2 sup. det south.
✓	4	-38°	1671	4	34.5	-38	25	9.1	33	on B 12287
✓	5	-37°	1869	4	37.7	-37	52	6.8	7	" "
✓	6	-35°	1830	4	33.4	-35	47	9.3	62	on B 41080
	7	-38°	1713	4	39.6	-38	43	8.7		
	8	-38°	1731	4	42.7	-38	42	9.7		
	9	-40°	1583	4	43.7	-40	40	8.7		
	10	-40°	1499	4	34.3	-40	28	8.7		
	11	-40°	1501	4	34.6	-40	50	9.4		
	12	-40°	1411	4	24.2	-40	12	8.3		

Ident. in book by M.C.H. May, 15, 1916

Ident. on cards by A.M.C. May 13, 1916

Identification compared by A.M.C. May 16, 1916

✓ 13 -40 1518 4 36.5 -40 40 8.9 49 on B 206X

May 4, 1916

B41089 Re-eman

✓	18	R _v
✓	20	R _v
✓	30	Ar
✓	46	Go
✓	55	Ar
✓	60	Go
✓	63	Go
✓	82	Ar
✓	84	Fe
✓	85	Go
✓	92	Go

May 4, 1918
 B 42101 Re-~~exam~~

✓	10	F1
✓	18	G
-	27	G0
✓	46	K5-
-	61	K2
-	67	G0
-	85	G0
-	98	F8
-	104	A2
-	105	K2
✓	109	F8
✓	114	K5-
✓	123	G0
✓	127	K3-

May 4, 1916
B 38400 Re-exam

✓	35	As
✓	51	Rs
✓	66	Ly
✓	67	Ho
✓	78	gs
✓	90	K
✓	100	gs
✓	113	Ho
✓	116	gs
✓	135	K
✓	145	gs
✓	160	gs
✓	180	Kr
✓	175	Ko

May 4, 1918

B 42090 Re-exam

- 5-	5 K ₀	
- 43	F ₁₀	conf. ✓
- 88	F ₁₈	
- 48	G	
- 89	A ₀	

May 5, 1916

B24442 Re-learn

Two stars superposed. Nearly same system

✓	2	g
✓	43	g0
✓	89	g5-
✓	172	g5-
✓	129	g0
✓	146	g0
✓	148	g0
✓	149	g

Perhaps F5. F6-

Friday, May 5, 1916

B 44364 short

	No. out	Class	Remark
10:27	✓ 1 3	Ko	
	✓ 2 1	As	
	✓ 3 1	K2	
	✓ 4 1	As	
	✓ 5 2	G5	
	✓ 6 2	G0	
	✓ 7 2	G5	
	✓ 8 3	G0	
	✓ 9 2	G2	
	✓ 10 1	F8	
	✓ 11 10+	B	
	✓ 12 1	G0	
	✓ 13 1	G0	
	✓ 14 1	Ko	
	✓ 15 1	K2	
	✓ 16 2	F8	
	✓ 17 1	K5	
	✓ 18 2	G5	
	✓ 19 2	G5	
	✓ 20 2	G0	
	✓ 21 10+	Bn.	
	✓ 22 3	F8	
	✓ 23 2	F5	
	✓ 24 1	Ko	
	✓ 25 2	G0	
	✓ 26 1	K5	

✓	1	-33°	2413	5	30.6	-33	38	8.6	28	on B14690
	2	-32°	2431	5	30.9	-32	23	9.1	✓	
	3	-32°	2432	5	31.0	-32	29	8.7	✓	
	4	-32°	2433	5	31.1	-32	36	9.2	✓	
	5	-32°	2443	5	31.9	-32	45	8.9	✓	
✓	6	-31°	2548	5	29.1	-31	32	8.0	103	on B14690
	7	-31°	2572	5	30.6	-31	30	8.5		
	8	-31°	2682	5	39.0	-31	7	9.0	✓	
	9	-32°	2506 2506	5	38.3	-32	22	8.2	✓	
	10	-32°	2525	5	39.9	-32	11	8.0	✓	
	11	-32°	2538	5	41.4	-32	21	5.4	✓	
	12	-35°	2476	5	38.4	-35	9	9.3	✓	
	13	-35°	2480	5	38.7	-35	19	8.7	✓	
	14	-34°	2433	5	41.1	-34	15	8.7	✓	
	15	-34°	2469	5	44.8	-34	36	8.5	✓	
	16	-35°	2506	5	42.4	-35	41	8.8	✓	
	17	-35°	2502	5	41.7	-35	27	8.7	✓	
	18	-35°	2499	5	40.6	-35	31	8.7	✓	
	19	-33°	2552	5	44.2	-33	55	9.1	✓	
	20	-33°	2590	5	47.8	-33	51	9.3	✓	
	21	-33°	2599	5	48.6	-33	50	5.2	✓	
	22	-33°	2569	5	45.9	-33	24	8.3	✓	
	23	-31°	2736	5	44.0	-31	39	8.5	✓	
	24	-31°	2784	5	46.8	-31	32	8.3	✓	
	25	-31°	2790	5	47.3	-31	32	8.5	✓	
	26	-31°	2811	5	49.0	-31	43	8.3	✓	

Friday, May 5, 1916

B 44364 short

No	Int	Class	Remark
✓ 27	2	F2	
✓ 28	4	K0	
✓ 29	3	A0	
✓ 30	2	F5	
✓ 31	4	L5	
✓ 32	4	F2	
✓ 33	2	A0	
✓ 34	2	F5	
✓ 35	1	A0	
✓ 36	2	F5	
✓ 37	1	A5	
✓ 38	2	A2	
✓ 39	5	F5	
✓ 40	1	K5	
✓ 41	3	F0	
✓ 42	1	F0	
✓ 43	5	F2	
✓ 44	4	K2	
✓ 45	2	F0	
✓ 46	2	A5	
✓ 47	1	A2	
✓ 48	1	L0	
✓ 49	3	F5	Two stars?
✓ 50	4	A5	
✓ 51	3	A0	
✓ 52	2	A0	

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Friday, May 5, 1916

B 44364 short

No	kt	Class	Remark
✓ 53	4	F8	
✓ 54	3	F8	
✓ 55	3	G0	
✓ 56	3	G0	
✓ 57	4	K0	
✓ 58	4	G5	
✓ 59	4	G0	
✓ 60	5	F0	
✓ 61	1	K5	
✓ 62	5	F0	
✓ 63	1	F12	
✓ 64	10+	Bv.	
✓ 65	2	F8	
✓ 66	3	F8	
✓ 67	7	K0	
✓ 68	3	G5	
✓ 69	4	G0	
✓ 70	1	G2	
✓ 71	2	F5	
✓ 72	1	G0	
✓ 73	2	G2	
✓ 74	2	K2	
✓ 75	1	K0	
✓ 76	2	G5	
✓ 77	2	G0	
✓ 78	3	G5	

58	-33° 2642	5	52.4	-33	50	9.0	✓
59	-33° 2643	5	52.4	-33	30	9.1	✓
60	-33° 2630	5	51.4	-33	45	9.3	✓
61	-33° 2618	5	50.2	-33	58	8.9	✓
62	-33° 2613	5	49.8	-33	54	8.2	✓
63	-33° 2616	5	50.0	-33	48	8.7	✓
64	-33° 2617	5	50.1	-33	38	8.6	✓
65	-34° 2538	5	51.3	-34	27	8.5	✓
66	-34° 2543	5	51.6	-34	17	8.9	✓
67	-34° 2548	5	52.1	-34	46	8.5	✓
68	-34° 2554	5	53.0	-34	59.8	9.0	✓
69	-35° 2612	5	53.1	-35	18	4.5	✓
70	-35° 2615	5	53.3	-35	7	9.3	✓
71	-35° 2625	5	54.2	-35	1	8.5	✓
72	-35° 2631	5	55.2	-35	22	7.3	✓
73	-34° 2581	5	55.5	-34	27	8.9	✓
74	-34° 2588	5	55.7	-34	6	8.9	✓
75	-34° 2592	5	56.2	-34	31	9.3	✓
76	-34° 2597	5	56.6	-34	1	9.3	✓
77	-33° 2678	5	56.4	-33	59.9	10.0	✓
78	-34° 2615	5	58.5	-34	15	9.0	✓
79	-34° 2618	5	58.8	-34	3	9.4	✓
80	-33° 2712	5	59.9	-33	56	8.4	✓
81	-33° 2719	5	59.8	-33	32	8.8	✓
82	-33° 2728	5	1.3	-33	24	9.0	✓
83	-33° 2729	6	1.4	-33	22	9.5	✓
84	-33° 2747	6	3.5	-33	34	9.8	✓

Friday, May 5, 1916

B44364 short

No	Int	Class	Remark
✓ 79	3	g5	
✓ 80	3	g8	
10:43 ✓ 81	1	g2	
82	5-	g2	

79	-32°	2787	6	39.3	-32	55	8.0	✓
80	-32°	2790	5 6	3.5	-32	45	8.7	✓
81	-33°	2775	6	6.1	-33	4	8.7	✓
82	-30°	2697	5-	89.0	-30	42	8.6	47 on Back 68

Ident. on cards by O.M.C. May 12, 1916
 Identified here May 16, 1916 J.D.W.
 Identification compared by A.M.C. May 17, 1916

Saturday, May 6, 1916 (Cont. from Bk. 53, 84)
B42101

	No	Int	Class	Remark
12132	162	3	F10	
	163	1	H0	
	164	1	H5	
	165	1	A2	
	166	3	G0	
	167	2	G5	
12134	168	3	A E	Focus very poor.
	169			

162 -35°	2243 5	16.9 -35	20	8.5 ✓
163 -37°	2239 5	25.8 -37	31	9.0 ✓
164 -37°	2248 5	26.7 -37	50	8.7 ✓
165 -38°	2066 5	26.1 -38	51	9.5 ✓
166 -38°	2075 5	27.3 -38	54	9.0 ✓
167 -39°	2007 5	25.9 -39	53	8.9 ✓
168 -37°	2274 5	29.1 -37	48	8.5 ✓

Ident. on cards by J.E.M. May 19, 1916.

Ident. in book by M.H.H. May 24, 1916.

Identification compared by A.M.C. May 26, 1916.

Saturday, May 6, 1916

B 12663 start

	No	Int	Class	Remark
12135	✓ 1	1	F ₅	
	✓ 2	1	A ₃	
	✓ 3	3	F ₅	
	✓ 4	1	A ₂	
	✓ 5	1	K ₅	
	✓ 6	1	K	
	✓ 7	2	G ₀	

5 8 4 G₀

1 -27°	2331	5	27.3 -27	45	8.3 ✓
2 -27°	2335	5	27.5 -27	22	8.9 ✓
3 -27°	2271	5	22.5 -27	22	8.2 ✓
4 -26°	2209	5	20.4 -26	52	9.1 ✓
5 -28°	2219	5	25.3 -28	32	8.1 ✓
6 -27°	2246	5	19.7 -27	57	8.3 ✓
7 -28°	2083	5	12.9 -28	18	9.0 ✓

Ident. in book by M. A. H. May 15, 1916

Ident. on cards by A. M. C. May 13, 1916

Identification compared by A. M. C. May 16, 1916

✓ 8 5 11.4 -29 35 -29° 21.54 P. J. van BEEKH2

Saturday May 6, 1916

B 20264 short

	no.	Sur.	class	Remark
5.15	✓ 1	1	K ₀	
	✓ 2	2	A ₅	
	✓ 3	2	F ₈	
	✓ 4	1	K ₂	
	✓ 5	2	A ₂	
	✓ 6	1	K ₀	
	✓ 7	1	K ₀	
	✓ 8	1	K ₀	
	✓ 9	2	A ₂	
	✓ 10	2	K ₀	
	✓ 11	2	K ₅	
	✓ 12	3	A ₂	
	✓ 13	1	K ₅	
	✓ 14	2	A ₃	
	✓ 15	2	K ₀	
	✓ 16	1	K ₀	
	✓ 17	1	K ₅	
	✓ 18	3	A ₃	
	✓ 19	1	B ₀	Partly-super. on 20
	✓ 19 ^a	1	K	
	✓ 20	1	B	nearly all super. on 19
5.20	✓ 21	2	F ₅	
	✓ 22	1	F ₅	
	✓ 23	2	F ₁₀	
	✓ 24	2	A ₃	

1	-56°	624	4	1.7	-56	8	8.6
2	-56°	621	⁴ 2	1.0	-56	22	8.6
3	-56°	409	3	57.4	-56	25	8.6
4	-57°	611	3	58.0	-57	1	8.8
5	-57°	617	4	1.9	-57	30	8.6
6	-57°	618	4	2.2	-57	35	9.0
7	-57°	624	4	6.0	-57	41	9.0
8	-57°	625	4	6.9	-57	59	9.0
9	-58°	350	4	7.9	-58	6	9.0
10	-57°	633	4	11.2	-57	14	8.8
11	-57°	640	4	15.6	-57	18	8.9
12	-57°	649	4	19.6	-57	16	8.6
13	-58°	380	4	23.0	-58	2	9.2
14	-58°	390	4	28.3	-58	27	9.0
15	-58°	393	4	29.0	-58	45	8.8
16	-58°	391	4	28.6	-58	54	9.1
17	-59°	355	4	29.3	-59	29	9.4
18	-59°	346	4	25.5	-59	39	8.9
✓ 19	-58°	403	4	32.6	-58	52	8.8
✓ 19a	-60°	322	4	32.1	-60	4	9.0
✓ 20	-58	402	4	32.6	-58	51	9.0
✓ 21	-56°	704	4	36.6	-56	24	8.7
✓ 22	-56°	681	4	25.7	-56	18	9.2
✓ 23	-56°	677	4	24.7	-56	26	9.0
✓ 24	-56°	690	4	23.2	-56	39	8.9

52m B42691

nos. 1-18 ident in book by M.E.H. May, 15, 1916
 Ident on cards by A.M.C. May 13, 1916.
 Identification compared by A.M.C. May 16, 1916

Monday, May 8, 1916

B 39700 ent. for 56, 72.

No	Int	Class	Remark
102	1	K2	
103	1	F5	
104	1	A	
105	2	A	
106	1	lg	
107			
108			

~~101~~¹

102 -50°	1676 5	10.8 -50	47	8.9 ✓
104 ³ -50°	1703 5	14.0 -50	43	9.2 ✓
104 -51°	1457 5	17.4 -51	8	9.9 ✓
105 -50°	1779 5	22.2 -50	51	9.7 ✓
106 -53°	883 5	28.0 -53	20	9.2

Ident. on cards by J. L. M. May 19, 1916.
 " in book by M. A. H. " 24, 1916

Ident compared by A. M. C. May 26, 1916

Monday, May 8, 1916

B 20643 long

No	hit	Class	Remark
1	8	A ₀	
2	4	A ₀	Partly sup. on 1
3	8	F ₅	
4	5	B ₈	
5	4	F ₅	
6	4	A ₂	
7	8	A ₀	

✓ 1	-52°	718 5	21.9 -52	26	6.863 m	B39700
✓ 2	-52°	717 5	21.9 -52	25	7.262 "	"
3	-56°	1723 5	16.3 -50	45	5.8 ✓	
4	-49°	1771 5	28.5 -49	7	7.6 ✓	
5	-49°	1783 5	30.3 -49	28	7.3 ✓	
6	-49°	1790 5	31.5 -49	2	7.5 ✓	
✓ 7	-50°	1864 5	35.3 -50	43	6.5131 m	B12756

No. 3 - 6 inc. ident on cards by J.E.M. May 20, 1916.

" " " in book " M.A.H. " 25, "

Identification compared by A.M.C. May 26, 1916

Monday, May 8, 1916

B19953 long

No	Int	Class	Remark
✓ 1	10	A ₂	
✓ 2	5	B ₉	
✓ 3	9	A ₂	
✓ 4	3	B ₉	
✓ 5	5	K ₀	

1 - 2°	4058 15	43.7 - 2	39	5.6 ✓
2 - 3°	3833 15	42.4 - 3	28	7.2 ✓
3 - 3°	3829 15	41.4 - 3	22	6.0 ✓
4 - 4°	3982 15	41.7 - 4	30	8.0 ✓
5 - 5°	4161 15	39.1 - 5	40	6.3 ✓

Ident. on cards by G.M.C. May 13, 1916

Ident. in book by M.H. May 15, 1916

Identification compared by G.M.C. May 16, 1916

May 8, 1916

K 20648 cont. from 56, 54

56	2	ma
57	3	a5
58	1	K5
59	2	K0
60	6	A2
61	2	A3
62	3	F8
63	2	G0
64	2	F8
65	3	A3
66	3	A0
67	2	K0
68	1	K5
69		

June 1, 1916

no. 56, 57, 61-64 inc. + 66-67. Ident. on cards by J.E.M. May 20, 1916.
 " " " " book " M.A.H. " 25, 1916
 Identification compared by A.M.C. May 26, 1916

Monday May 8, 1916

cont. from Bl. 56, 124

B24143

81 3 A₀82 3 F₂83 1 F₂84 1 G₅

85

81	-50°	1917 ⁹	5	42.1 ² -50	58 ⁴	9.4 ⁶	✓
82	-51°	1608	5	42.2-51	0	8.9	✓
83	-51°	1621	5	44.5-51	46	9.1	✓
84	-52°	769	5	41.2-52	6	9.0	✓

Ident. on cards by J. G. M. May 20, 1916.

" in book " M. A. H. " 25, 1916

Identification compared by A. M. C. May 26, 1916

May 8, 1916

B 38371 cont. from 52, 22

	No	Qty	Class	Remark
2:55	206	1	K5	
	207	2	F2	
	208	2	A0	
	209	2	G0	
	210	1	F5	
	211	2	F8	
	212	2	K0	
	213	2	G0	
	214	1	G0	
	215	1	K2	
	216	1	F8	
	217	3	F0	
	218	1	G0	
	219	3	F2	
	220	1	K0	
	221	1	K0	
	222	2	G0	
	223	2	K0	
	224	3	A0	
	225	3	G0	
	226	2	G0	
	227	3	F8	
	228	3	A2	
	229	3	G0	
3:02	230	3	F0	
	231			

cont. 133, 172

206 -60°	366	4	59.7 -60	50	9.2 ✓
207 -60°	369	5	1.4 -60	51	8.8 ✓
208 -60°	375	5	3.4 -60	18	8.9 ✓
209 -60°	385	5	7.3 -60	20	9.1 ✓
210 -60°	398	5	13.2 -60	28	8.9 ✓
211 -60°	403	5	16.5 -60	53	9.2 ✓
212 -60°	409	5	17.5 -60	9	9.0 ✓
213 -60°	411	5	18.3 -60	25	9.0 ✓
214 -60°	445	5	36.4 -60	43	9.0 ✓
215 -60°	442	5	33.2 -60	52	9.2 ✓
216 -60°	450	5	40.4 -60	47	8.8 ✓
217 -61°	497	5	39.9 -61	55	9.0 ✓
218 -62°	503	5	39.4 -62	37	9.4 ✓
219 -62°	502	5	39.3 -62	42	8.9 ✓
220 -62°	497	5	36.6 -62	52	10.0 ✓
221 -62°	495	5	35.3 -62	23	9.3 ✓
222 -63°	475	5	41.2 -63	21	9.3 ✓
223 -64°	465	5	38.1 -64	10	9.3 ✓
224 -65°	490	5	39.3 -65	27	9.0 ✓
225 -65°	491	5	41.1 -65	30	9.0 ✓
226 -65°	495	5	43.7 -65	9	9.0 ✓
227 -65°	501	5	46.4 -65	32	9.0 ✓
228 -66°	446	5	41.8 -66	9	8.8 ✓
✓ 229 -66°	426	5	31.6 -66	46	8.5 ✓ 60 m B2027
230 -66°	425	5	30.7 -66	38	8.5 ✓

Ident. on cards by J.B.M. May 20, 1916.

" in book " M.A.H. " 25, 1916.

Ident. compared by A.M.C. May 26, 1916.

Tuesday, May 9, 1916

B20540 cont. from 5-3, 22

	No	int	Class	Remark
10942	130	6	A ₃	
	131	3	F ₅	
	132	1	F ₈	
	133	5	A ₀	
	134	4	A ₂	
	135	2	G ₅	
	136	7	G ₀	
	137	9	A ₀	
	138	4	A ₅	
	139	1	K ₂	
	140	2	G ₀	
	141	7	F ₅	
	142	9	A ₀	
	143	10	A ₀	
	144	7	G ₀	
	145	9	F ₅	
	146	7	A ₀	
	147	4	A ₃	

234 on pl.
28371 [149] 8
See 133, 173

149 2

No
A₃ Composite

Rec. N. Y. C. 1963. H_δ, H_α, H_γ dark,
O_{III} very bright.

✓	130	-72°	386	5	34.9	-72	55	8.3	42	on	B15162
	131	-72°	379	5	31.1	-72	50	8.9	✓		
	132	-73°	376 ⁸⁰	5 ⁵	28.5	-73	14	9.2	✓		
✓	133	-74°	322	5	21.5	-74	11	8.5	29	on	B15162
✓	134	-74°	320	5	16.2	-74	16	8.6	27	on	B15162
✓	135	-74°	305	4	49.6	-74	8	9.2	11	"	"
✓	136	-73°	280	4	54.4	-73	12	8.4	12	"	"
✓	137	-72°	334	4	55.7	-72	58	7.7	13	"	"
✓	138	-73°	271	4	44.2	-73	46	8.5	10	"	"
	139	-72°	310	4	32.7	-72	39	9.1	✓		
✓	140	-73°	261	4	27.6	-73	36	8.9	64	on	B15162
✓	141	-76°	303	5	7.0	-76	48	7.6	93	"	"
✓	142	-74°	312	5	4.4	-74	31	7.1	18	"	"
✓	143	-73°	286	5	8.7	-73	12	6.4	26	"	"
✓	144	-73°	323	5	40.0	-73	46	7.1	44	"	"
✓	145	-72°	332	4	55.2	-72	37	7.1	14	"	"
✓	146	-75°	321	5	37.1	-75	19	8.0	45	"	"
✓	147	-73°	249	4	7.6	-73	37	8.5	2	"	"

Nos. 131, 132 + 139 Ident. on cards by J.C.M. May 20, 1916.

" " " " " in book " M.A.H. July 20, 1916

" " " " Compared by G.R.B. July 21, 1916

May 9, 1916

B 38367 cont. from 52, 70

65 3 Ar

66 4 As

67 2 Fr

68 3 Gt

happ. Defects like bright lines

✓	65 - 68°	344 5	17.6 - 68	16	9.1	53 on B20540
✓	66 - 68°	348 5	18.6 - 68	29	8.8	57 " "
✓	67 - 68°	321 5	8.9 - 68	38	9.0	45 " "
✓	68 - 69°	328 5	5.6 - 69	20	9.2	38 " "

May 9, 1916

13210540

R. Ryan

-	80	K
-	92	A3
-	93	K

May 9, 1916
B15162 Re-exam

-	24	K2
-	31	A2
-	55	F0
-	59	A0
-	60	A0
-	65	G0
-	67	G0
-	81	G0
-	87	A0
-	122	A0
-	134	G
-	146	G0
-	148	K0

May 9, 1916
1538371 Re-expl

✓	5	g
✓	47	g ₀
✓	54	R
✓	64	g
✓	85	g
✓	87	g
✓	93	g ₀
✓	95	g ₀
✓	108	g
✓	117	R
✓	120	R
✓	154	R
✓	163	R
✓	165	fr
✓	181	K ₀
✓	193	g ₀
✓	203	K ₀

May 9, 1910
B 12756 Re exam.

-	27	K ₀
-	35	Ly
-	36	K
-	48	a
-	135	Ly
-	134	a
-	141	Ly
-	137	as
-	153	a
-	157	Ly

May 9, 1916
B38367 Re-exam

✓	21	R
✓	24	B
✓	35	R
✓	42	Go
✓	43	G
✓	50	a
✓	56	Ar
✓	61	G
✓	63	Fr

Perhaps Out

May 9, 1916
B 426 21 Re-open

-	29	R
✓	31	F
✓	56	20
✓	57	20
✓	73	Fis

May 9, 1916
 B 41013' Re-ryan

✓	6	Fr
✓	17	K ₂
✓	32	K ₀
✓	33	Ar
✓	34	G
✓	40	G
✓	46	Fr
✓	47	Fr
✓	72	Fr
✓	88	Ar
✓	95	K ₀
✓	98	Fr
✓	102	K ₀
✓	105	K ₂
✓	109	G ₅
✓	110	G
✓	118	Fr
✓	119	Fr
✓	120	Fr
✓	128	G ₅

May 9, 1916
B20648 Re-union

- 16 Ko
- 28 g

May 9, 1916
B. 8482 Re-union

✓	41	Ly
✓	56	Ar
✓	57	Kp
✓	58	K

May 9, 1916
J38136 cont. 55,104

50⁴ 7 As

55 3 10

✓ 54	+5-9°	812	H	23.3	+5-8	6	7.2	71.7	on	37426
✓ 55	+5-9	811	H	21.3	+5-9	10	8.5	70	+	+

Wednesday May 10, 1916
 38088 cont. from 52, 168

✓ 155	6	A ₂	
156	2	A ₅	
157	2	A ₀	
158	2	A ₀	
159	2	B ₉	
160	2	A ₀	
161	4	A ₃	
162	3	K ₂	
163	3	B ₉	
164	1	K ₂	nearly all sup. on 163
165	9	K ₀ A ₃	Composite

✓	155 + 41°	1050	4	54.8	+ 41	40	8.0		
✓	156 + 39°	1117	4	47.8	+ 39	24	8.0	254 on	J37365
✓	157 + 39°	1114	4	47.2	+ 39	1	8.5	256 "	"
✓	158 + 39°	1112	4	46.8	+ 39	3	8.5	257 "	"
✓	159 + 41	1046	4	54.1	+ 41	24	8.8	1 on	J38940
✓	160 + 41	1051	4	54.9	+ 41	5	8.8	2	
✓	161 + 39	1036	4	27.7	+ 40	0	8.0	3 on	J37260
✓	162 + 39	1042	4	30.2	+ 39	36	7.0	4	" "
✓	163 + 39	1176	4	57.9	+ 39	39	8.0	317	" J37365
✓	164 + 39	1175	4	57.8	+ 39	45	7.8		
✓	165 + 40	1078	4	26.7	+ 40	58	5.0	1 on	J37260

May 11, 1916

238124 emb. from 54, 94

101 3 B₁102 4 A₀103 4 B₅104 2 K₀

105 1 B Lines very indistinct

106 4 A₀107 3 A₀ II108 7 K₀109 1 K₀110 4 B₅111 4 K₀ ~~B₅~~112 3 A₅ Star of Class K sup. at S.113 2 K₀114 2 A₀115 8 A₀116 3 F₅117 3 K₂118 2 A₀119 4 A₂120 2 K₂121 1 G₀122 2 A₀123 2 K₀

124 7 Main

✓	101 +36°	1177	5	23.9 +36	22	7.7	115	on 737365
✓	102 +35°	1151	5	22.0 +35	23	8.0	119	" "
✓	103 +34°	1077	5	22.1 +34	46	8.0	29	" "
✓	104 +34°	1080	5	22.6 +34	19	8.2	31	" "
✓	105 +34°	1079	5	22.5 +34	50	9.0	30	" "
✓	106 +37°	1202	5	19.1 +37	39	8.3	193	" "
✓	107 +38°	1204	5	23.4 +38	40	8.0	259	" "
✓	108 +39°	1322	5	20.7 +39	43	6.5	263	" "
	109 +39°	1326	5	21.0 +39	55	8.0	✓	
✓	110 +34°	1118	5	27.5 +34	43	8.1	192	on 737377
✓	111 +35°	1188	5	28.3 +35	30	9.0	193	" "
✓	112 +34°	1126	5	29.2 +34	59	7.9	194	" "
✓	113 +34°	1135	5	30.8 +34	28	8.1	197	" "
✓	114 +33°	1117	5	30.9 +33	26	8.6	199	" "
✓	115 +35°	1207	5	32.2 +35	33	6.8	195	" "
✓	116 +35°	1304	5	50.8 +35	18	7.3	238	" "

No. 109 ident. on card by J. E. M. May 20, 1916.

✓	117 +38°	1303	5	39.4 +38	41	7.0	3	on 737429
✓	118 +39°	1421	5	40.0 +39	31	8.0	5	" "
✓	119 +36°	1301	5	46.6 +36	51	7.5	14	" "
✓	120 +37°	1365	5	47.9 +37	30	7.2	15	" 737391
✓	121 +40°	1397	5	34.2 +40	20	8.2	6	" 737391
✓	122 +39°	1388	5	33.2 +39	54	8.2	7	" "
✓	123 +40°	1310	5	20.2 +40	24	7.2	13	" "
✓	124 +37	1336	5	41.2 +37	16	5.0	11	" 737429

May 11, 1916
J38921 emb. from 87, 58

No	mt	Class	Remark
80	1	B9	
81	2	A0	
82	1	A5	
83	2	F0	
84	2	G0	
85	2	A2	
86	2	K0	
87	4	F0	

✓	80	+33°	1015	5	11.3	+33	19	8.9	65	on	737365
✓	81	+32°	963	5	14.2	+32	13	8.5	46	"	"
✓	82	+33°	1040	5	16.6	+33	1	8.9	44	"	"
✓	83	+32°	993	5	18.7	+32	24	8.6	12	"	"
✓	84	+28	7024	5	0.5	+28	57	8.7	8	m	38161
✓	85	+30	820	5	3.3	+30	15	9.0	48	"	"
✓	86	+30	808	5	1.8	+30	6	8.6	6	"	"
✓	87	+29	806	4	57.0	+29	34	8.0	16	"	"

May 11, 1916
J 37365 Re-exam

✓ 10 ϵ + 33°1064 sup, also class G.

24 α

25 β

39 κ

40 γ

49 α

72 α

78 β

80 κ

87 α

117 γ

123 β

124 γ

127 β

133 α

134 β

143 α

147 γ

149 α

159 α

162 α

172 α

173 α

174 α

✓ 189 β

Perhaps B8

"
" + 35°1026 sup, also some class A

H β bright

May 11, 1916

✓ 195 B9
 197 A0
 198 A0
 199 B9
 201 F0
 206 A2
 207 G5-
 213 K2
 214 K2
 215 A0
 217 A0
 218 A0
 220 A0
 222 A0
 223 B9
 225 A0
 233 B9
 240 G5-
 241 G5-
 242 B9
 262 F5-
 264 A0
 268 B9
 269 F0
 271 A0
 274 A0
 277 F8
 ✓ 278 A0

May 11, 1916
J373657 ent

✓	285	Ko
✓	292	Qo
✓	295	Qo
✓	298	F15
✓	302	Qo
✓	303	Q5
✓	309	B9
✓	314	Qo
✓	315	K2

May 11, 1916
I 380 88 / Re-eman

- 60	Ar
- 75	a
- 77	No
- 81	B9
- 83	B9
- 90	Ar
- 105	No
- 119	Rv

Perhaps B8

May 11, 1916
J38125 Re exam

✓ 33 As

J38970
Re exam

✓ 50 K₂

✓ 57 K₂

May 11, 1916
J38940 Re-exam

✓ 31 Go
✓ 72 Cur

J38939 Re-exam
Indistinct

✓ 19 Fr
✓ 34 Gd
✓ 58 G
✓ 59 J

Probably Go
" "

May 11, 1916
J 37630 Re-exam

✓	52	Ro
✓	58	Av
✓	59	Av
✓	81	Av
✓	83	R ₂
✓	106	Av

May 11, 1916
J 3 E, 52 Re-union

✓ 11 a
✓ 23 Ro
✓ 36 as

Friday, May 12, 1916

58154 ent. from 49, 202

June 7, 1916

46	2	As	
47	4	As	
48	3	As	
49	2	#8	
✓ 50	1	K5	Partly super on 51
✓ 51	2	K0	
✓ 52	3	K0	
✓ 53	3	F5	
✓ 54	1	K0	
✓ 55	2	A2	
56	2	A0	
✓ 57	3	G0	
✓ 58	1	A2	
59	4	A3	
60	3	K0	
61	2	G0	Partly super on 62
62	2	A0	
63	5	A0	
✓ 64	3	K0	
✓ 65	2	A0	
66	1	A0	
67	1	K5	
✓ 68	2	K2	
69	2	A2	
70	2	G0	
71	1	A0	

✓	46 +64°	541	5	29.5 +64	59	8.9	79	m	736654
✓	47 +63°	612	5	39.6 +63	25	8.9	74	m	736654
✓	48 +65°	495	5	34.4 +65	6	8.7	137	"	738112
✓	49 +65°	489	5	31.5 +65	33	8.9	136	"	"
	50 +61°	820	5	34.6 +61	1	8.9	✓		
	51 +61°	821	5	34.7 +61	13	9.0	✓		
	52 +61°	826	5	36.1 +61	18	8.5	✓		
	53 +60°	902	5	36.8 +60	30	8.8	✓		
	54 +60°	905	5	38.9 +60	54	8.7	✓		
	55 +59°	913	5	37.2 +59	45	9.0	✓		
✓	56 +59°	921	5	43.4 +59	57	8.8	167	on	237407
	57 +61°	839	5	45.8 +61	6	8.6	✓		
	58 +61°	842	5	47.5 +61	20	9.2	✓		
✓	59 +61°	851	5	51.6 +61	24	8.5	114	on	237408
✓	60 +60°	921	5	50.8 +60	26	8.0	111	"	"
✓	61 +60°	924	5	52.3 +60	28	8.2	112	"	"
✓	62 +60°	925	5	52.4 +60	40	8.2	113	"	"
✓	63 +61°	849	5	51.4 +61	54	8.2	115	"	"
	64 +62°	801	5	47.6 +62	18	8.0	✓		
	65 +62°	802	5	48.7 +62	28	9.0	✓		
✓	66 +61°	862	5	58.1 +61	32	9.0	116	on	237408
✓	67 +59°	960	6	7.0 +59	53	8.0	87	"	"
	68 +59°	949	5	58.3 +59	57	7.8	✓		
✓	69 +62°	834	6	7.9 +62	16	8.9	6	on	237545
✓	70 +63°	641	6	3.3 +63	18	8.5	95	"	"
✓	71 +64°	574	6	2.6 +64	2	9.0	96	"	"

Ident. on cards

May 12, 1916
138907 Run

✓ 53 a
✓ 63 B9

May 12, 1910
J 37558 Re-exam

- 34 Kr
- 90 Hf
- 94 As
- 97 As
- 105 Ar
- 140 G5

May 12, 1916
 138084 comb. from 54, 32

162	3	B9	
163	2	K5	
164	3	B9	
165	4	K0	
166	6	F2	
167	5	K0	
168	4	B2	
169	8	B9	
170	1	A0	
171			
172	4	K0	
172	4	B9	
173	2	F2	
174	1	K5	
175	1	A0	
176	3	K0	
177	7	B3	Line K rather strong
178	2	A2	

✓ 162	+26	903	S-	32.6	+26	32	8.0	124 m	✓ 37525
163	+23°	982	5	30.4	+23	14	7.8	[7.8 slug omitted]	
✓ 164	+27°	846	S-	34.7	+27	13	7.8	8 on	✓ 37377
✓ 165	+24°	913	5	31.4	+24	27	7.2	150 on	✓ 37388
✓ 166	+24°	909	5	31.0	+24	8	7.0	149 on	"
✓ 167	+24°	868	5	26.2	+24	11	7.8	152	" "
✓ 168	+21°	899	5	27.0	+21	18	7.8	56	" "
✓ 169	+23°	1007	5	33.1	+23	14	6.8	147	" "
✓ 170	+23°	988	5	31.1	+23	36	8.5	148	" "

No 163 ident. on card by J.G.M. May 29, 1916.

✓ 171	+22°	1096	5	46.1	+22	29	7.6	152 on	✓ 37446
✓ 172	+21°	1037	5	46.3	+21	22	7.8	86	" "
✓ 173	+20°	1168	5	46.6	+20	26	8.6	88	" "
✓ 174	+20°	1171	5	47.0	+20	26	8.2	89	" "
✓ 175	+20°	1178	5	47.7	+20	34	8.7	90	" "
✓ 176	+19°	1113	5	43.9	+19	42	7.5	320	" ✓ 37568
✓ 177	+24	1033	S-	48.1	+24	13	6.0	241 m	✓ 37446
✓ 178	+25	843	S-	21.5	+25	13	8.1	174 m	✓ 37388

May 12, 1916
J 37525 Re-exam

✓	6	Go	may be included + 290822
✓	27	B9	
✓	38	Fis-	
✓	41	As	
✓	45	B	
✓	61		Image indistinct. Doubtful
✓	64	A	Perhaps Ar
✓	67	As	
✓	80	F1	Class uncertain
✓	105	B8	
✓	108	Ar	
✓	109	As	
✓	112	Go	
✓	125	Go	

May 12, 1916
J 38/12 Re-exam

✓	15	K5-
-	40	K2
✓	56	A0
✓	77	K0
✓	108	K5-
✓	122	K5
✓	141	K0

May 12, 1916
 J 37365 cmh. fm 30, 114

✓ 358	3	B ₉	+39° 1194	4	39.9	+39	38	7.9	✓
✓ 359	2	K ₀	+39 1231	4	6.4	+39	42	8.4	✓
✓ 360	2	B ₉	+40° 1274 ³	5	13.4	+40	0	8.7	✓
✓ 361	1	K ₀	+39° 1289	5	14.1	+39	18	8.0	✓
✓ 362	2	K ₀	+39° 1278	5	13.0	+39	9	8.6	✓
✓ 363	2	K ₂	+39° 1326	5	21.0	+39	55	8.0	✓

Identified here Oct. 9 1916 R.D.W.
 Ident. compared by S.R.B. Oct. 10, 1916

cmh. 138, 62

Friday May 13, 1916

Mc 4420 Review

May be due star with error of +6' Dm.

Perhaps G F t

✓ 98 G O
✓ 101 K
✓ 114 Ar

May 13, 1966

Ma 7197 Re-can

✓ 10 Ko

Tuesday, May 16, 1916

I 37435 Re-exam

✓ 39 K5 Int. 1 Nearly all exp. in +55° 55'

Wednesday, May 17, 1966

938126 cont. from 58, 54

175 ⁶	6	A0
177	7	B9
178	2	K2
179	4	G5
180	4	B9
181	2	A0
182	4	K0
183	8	G0
184	3	A. Star super. at north.
185	2	A0
186	1	K5
187	1	K5 faint. Perhaps ma
188	1	G0
189	1	G0
190	2	B
191	3	K Too much super on +32° 1208

✓ 176 + 34°	1283	6	1.1	+ 34	16	7.8	236	on Q37377
✓ 177 + 34°	1265	5	58.3	+ 34	11	7.7	235	" "
✓ 178 + 33°	1244	5	57.5	+ 33	4	8.2	234	" "
✓ 179 + 33°	1240	5	56.5	+ 33	15	8.3	233	" "
✓ 180 + 33°	1235	5	55.8	+ 33	44	8.3	²³¹ 180	" "
✓ 181 + 33°	1230	5	54.9	+ 33	38	8.9	230	" "
✓ 182 + 33°	1225	5	54.0	+ 33	52	8.0	229	on Q37377
✓ 183 + 35°	1234	5	50.4	+ 35	24	6.1	239	on Q37377
✓ 184 + 30°	1141	6	2.0	+ 30	42	8.0	178	on Q37377
185 + 36°	1385	6	4.0	+ 36	39	8.5	✓	
186 + 37°	1446	6	4.0	+ 37	0	8.2	✓	
187 + 37°	1455	6	5.4	+ 37	26	8.3	✓	
188 + 37°	1417	5	57.3	+ 37	11	8.5	✓	
189 + 36°	1349	5	55.9	+ 36	56	8.8	✓	
✓ 190 + 31°	1174	5	53.8	+ 31	2	8.8	162	on Q37377
Ident. compared by A.M.C. May 26, 1916								
191 + 31°	1220	6	1.2	+ 31	59	7.5		

May 17, 1918
J 37377 Re-exam

✓	30	K5
✓	80	A3
✓	82	A
✓	85	B9
✓	86	G0
✓	87	A
✓	88	K2
✓	94	A0
✓	101	A0
✓	110	F12
✓	112	A0
✓	116	G5
✓	137	K0
✓	144	F0
✓	146	A0
✓	154	A
✓	164	A0
✓	165	A
✓	177	F18
✓	207	F12
✓	209	A2
✓	212	A0
✓	214	G5
✓	215	A0

+ 30° 1097 mfp.

May 17, 1916
 B 22166 Review

- 36 K
 - 38 K2
 - 42 K
 - 57 K0

I 27377 cont. from p. 136.

- 13 A0
 - 16 A
 - 18 B8
 - 22 B8
 - 40 B9
 - 42 A
 - 49 A0

Parity sup. in +280901

62 B9
 B9

Two spectra superposed. Hyd. lines double. Both appear to show line 4026. Class somewhat uncertain due to the superposition.

May 17, 1916
I 38161 Re-eman

38. Trace of a G star seen at red end.
Short disp. I 36521 shows the ef. to
be pec and probably composite.

May 17, 1916
J 37377 end from 32,104

243

Thursday, May 18, 1916

I 36084 Re-man

✓	6	a
✓	25	K ₂
✓	85	a
✓	93	a
✓	35	F
✓	41	K ₅
✓	43	a
✓	44	F ₅
✓	50	G ₁
✓	51	B ₈
✓	64	a
✓	74	a
✓	78	F
✓	98	a
✓	104	F
✓	120	K ₂
✓	121	a
✓	123	F ₅
✓	124	a ₀
✓	128	a ₀
✓	129	a ₂
✓	133	G ₀
✓	134	K ₂
✓	138	a ₀
✓	147	a ₀

Original obs. It certainly was
Luis fr. Perhaps B₈

May 18, 1916
 I 3 to 84 cent.

- 151	a
- 155	B2
- 156	a0
- 157	K0
- 158	F1
- 161	B8

H₂, H₂ barely seen, probably in

May 18, 1916
 138167 cont. from 49,210

105	1	gs	
106	2	gs	
107	1	70	nearly all sup. in 108
108	2	70	
109	3	Ar	

Dec 19, 1916

110	1	Ro	
111	1	Pd	from k heere's gas. reb. 320. 50074458m
112	2	gs	

✓	105 + 12°	755	5	7.5	+ 12	43	8.9
✓	106 + 11°	748	5	6.2	+ 11	18	8.7
✓	107 + 11°	728	5	1.2	+ 11	18	8.0
✓	108 + 11°	727	5	1.1	+ 11	18	8.0
✓	109 + 12°	721	4	57.1	+ 12	35	8.0

Ident. on cards by J. C. M. May 20, 1916.

110	+ 10	707	4	57.7	+ 10	26	9.0
111	..	5	0.0	+ 10	34	(180)	
112	+ 9	865	5	24.6	+ 9	58	8.6 4 on 38223

May 18, 1946

937567 Re-man

✓	4	As
✓	19	K2
✓	22	As
✓	24	K0
✓	64	A
✓	66	As
✓	72	G5-
✓	78	As
✓	82	As
✓	89	K5-
✓	123	G0
✓	124	K2
✓	125	F0
✓	126	A
✓	127	A
✓	128	A
✓	133	K2
✓	146	As
✓	157	As

Perhaps B8

May 18, 1916
 137388 Re exam

✓ 9 Gs-
 ✓ 145 A
 ✓ 58 As
 ✓ 60 As
 ✓ 63 Gs-
 ✓ 71 Ar
 ✓ 76 As-
 ✓ 104 A
 ✓ 128 Gs-
 ✓ 130 B9
 ✓ 136 Gs-
 ✓ 137 F
 ✓ 140 As
 ✓ 141 A

✓ 57 G
 ✓ 73 As
 ✓ 77 A
 ✓ 82 F
 ✓ 86 F5
 ✓ 89 B9
 ✓ 91 K2
 ✓ 93 F10
 ✓ 119 A
 ✓ 170 A

very ft. may be cut

May 18, 1916
 137602 Ruman

✓	18	Q3
✓	21	A
✓	40	Q0
✓	45	K0
✓	46	Q0
✓	57	Q0
✓	62	K0
✓	66	Q0
✓	80	Q0
✓	89	Q0
✓	95	K0
✓	96	K0
✓	97	Q0
✓	99	Q0
✓	104	A
✓	105	Q0
✓	107	K
✓	108	A
✓	110	K2
✓	111	Q0
✓	116	Q0
✓	118	K2
✓	122	Q0
✓	125	A
✓	126	Q0

May 18, 1916
J 37602 emb

✓ 137 Ad
✓ 141 Ad
✓ 146 Ad

red, May 24, 1916

37579 emf for 41,148

✓	134	3	K ₀	
✓	135	5	A ₀	
✓	136	1	K ₀	
✓	137	1	K ₂	
✓	138	2	G ₅	
✓	139	7	A ₀	
✓	140	3	A ₂	
✓	141	1	K ₀	
✓	142	1	K ₀	
✓	143	1	K ₀	
✓	144	1	K ₀	
✓	145	1	A ₀	Partly super. on 146
✓	146	5	A ₀	
✓	147	2	A ₂	
✓	148	1	A ₅	
✓	149	2	K ₀	
✓	150	2	K ₀	
✓	151	4	A ₃	
✓	152	6	A ₀	
✓	153	3	A ₀	
✓	154	2	A	Lines hazy.
✓	155	2	A ₃	
✓	156	2	G ₅	
✓	157	3	F ₂	
✓	158	2	B	almost cont.
✓	159	1	K ₀	

✓	134 + 11°	1076	6	6.4	+ 11	50	7.6	6	on 237568
✓	135 + 11°	1075	6	6.3	+ 11	51	8.0	7	" "
✓	136 + 11°	1060	6	4.0	+ 11	45	8.5	13	" "
✓	137 + 11°	1049	6	2.3	+ 11	41	8.3	15	" "
✓	138 + 11°	1044	6	1.1	+ 11	41	8.1	16	" "
✓	139 + 10°	1004	5	58.4	+ 10	45	7.6	19	" "
✓	140 + 11°	1022	5	57.6	+ 11	13	8.2	21	" "
✓	141 + 13°	1183	6	8.9	+ 13	45	8.6	73	" "
✓	142 + 14°	1206	6	5.5	+ 14	9	9.0	80	" "
✓	143 + 13°	1165	6	4.9	+ 13	31	9.1	83	" "
✓	144 + 13°	1161	6	4.5	+ 13	42	8.9	85	" "
✓	145 + 13°	1136	6	1.7	+ 13	52	9.0	94	" "
✓	146 + 13°	1135	6	1.6	+ 13	47	8.3	95	" "
✓	147 + 14°	1149	5	58.8	+ 14	36	8.5	107	" "
✓	148 + 15°	1094	6	2.7	+ 15	6	9.3	176	" "
✓	149 + 15°	1090	6	2.1	+ 15	6	9.0	177 184	" "
✓	150 + 15°	1077	6	0.4	+ 15	12	8.7	181	" "
✓	151 + 16°	1000	5	58.6	+ 16	11	8.0	184	" "
✓	152 + 16°	1004	5	58.9	+ 16	44	8.2	187 ^a	" "
✓	153 + 16°	988	5	56.4	+ 16	20	8.8	159	" "
✓	154 + 15°	1058	5	57.2	+ 15	25	8.9	190	" "
✓	155 + 16°	984	5	55.3	+ 16	59	8.8	195	" "
	156 + 16°	975	5	53.7	+ 16	40	8.8	✓	
✓	157 + 16°	1011	6	0.0	+ 16	5	8.6	244	on 237568
	158 + 15°	1079	6	0.6	+ 15	44	8.7	✓	
✓	159 + 17°	1151	6	2.1	+ 17	43	8.2	285	on 237568

Wednesday May 24, 1916

237599

✓ 160 2 α_0
161 1 P.

Band 5007 seen

162 9 α_0
163 2 α_3

✓ 160 +17° 1139 6 0.3 +17 25 8.6 242 on 237568

Nov. 156 + 158 identified here Oct. 7 1916 L.W.

" " compared by E.R.B. Oct. 9, 1916.

161 .. 6 20.1 +17 51 (1900) Jonathan's hel.

- 162 +11° 100 5 58.3 +11 41 6.5 38 on 237568

- 163 +18 1078 5 56.5 +18 20 8.8 252 on 237568

Wednesday May 24, 1916

B 38411 : ^{from} cont. B 128, 104

No.	Sex	Class	Remark
✓ 85	2	A ₀	
86	3	A ₀	
87	4	B ₉	
88	4	F ₀	
89	4	F ₀	
✓ 90	1	F ₀	
91	2	A ₀	
✓ 92	1	K ₂	
93	3	A ₃	
94	2	A ₀	
95	2	F ₅	
96	3	A ₂	
97	3	A ₀	
98	4	A ₂	
99	2	A ₀	
100	2	A ₀	
101	3	A ₀	
102	3	B ₉	
103	2	A ₀	
104	2	A ₃	
105	1	F ₅	
May 25, 1916	106	4	B ₉
✓	107	2	A ₀
	108	2	A ₀
✓	109	2	F ₀
✓	110	2	A ₀

✓	85 +3°	1228	6	16.7	+5	22	9.0	✓		
✓	86 +5°	1227	6	16.7	+5	24	8.9	195	on	238171
✓	87 +5°	1214	6	15.0	+5	12	8.5	193	"	"
✓	88 +5°	1210	6	14.2	+5	26	8.7	191	"	"
✓	89 +5°	1171	6	9.9	+5	52	8.6	183	"	"
	90 +5°	1170	6	9.8	+5	44	9.3	✓		
✓	91 +7°	1200	6	6.9	+7	14	9.3	246	on	238171
	92 +7°	1195	6	6.1	+7	0	9.1	✓		
✓	93 +4°	1153	6	3.5	+4	4	9.0	52	on	238171
✓	94 +3°	1142	6	1.6	+3	42	8.9	59	"	"
✓	95 +3°	1140	6	1.5	+3	55	8.9	134	"	"
✓	96 +3°	1139	6	1.4	+3	49	9.2	133	"	"
✓	97 +4°	1130	6	0.5	+4	6	9.0	132	"	"
✓	98 +4°	1129	6	0.3	+4	0	9.0	131	"	"
✓	99 +4°	1121	5	58.5	+4	35	9.3	128	"	"
✓	100 +7°	1102	5	55.2	+7	51	9.5	112	"	"
✓	101 +7°	1119	5	57.4	+7	54	8.9	114	"	"
✓	102 +8°	1201	6	0.8	+8	39	9.1	217	"	"
✓	103 +7°	1158	6	2.4	+7	49	9.2	232	"	"
✓	104 +6°	1135	6	1.4	+6	16	9.2	144	"	"
✓	105 +5°	1095	5	58.8	+5	8	9.3	129	"	"
✓	106 +8°	1296	6	14.5	+8	23	8.8	149	on	238168
	107 +8°	1298	6	14.6	+8	45	8.8	✓		
✓	108 +8°	1294	6	14.2	+8	57	9.0	147	"	"
	109 +9°	1213	6	15.0	+9	25	8.7	✓		
	110 +8°	1305	6	15.4	+8	27	9.2	✓		

Thursday, May 25, 1916

B 38411 short

No	Wt	Class	Remark
111	2	G5	
✓ 112	2	A0	
✓ 113	2	G5	
✓ 114	2	A0	
✓ 115	1	K2	
✓ 116	2	B8	
✓ 117	1	D2?	
✓ 118	1	K5	
119	3	A0	
120	2	K5	
✓ 121	2	B9	
✓ 122	2	A2	
✓ 123	1	K2	
✓ 124	3	K0	
✓ 125	2	G5	
✓ 126	1	A0	
127			

✓ 111 +8°	1319 6	16.8 +8	1	8.996	m	938168
112 +7°	1274 6	17.4 +7	42	9.1✓		
113 +7°	1278 6	17.9 +7	48	8.8✓		
114 +7°	1280 6	17.9 +7	51	9.0✓		
115 +8°	1328 6 1326 6	17.7 +8 17.8 +8	9 11	9.0 9.2✓		
116 +8°	1325 6	17.6 +8	13	9.1✓		
117 +8°	1332 6	18.41 +8	4	9.3✓		
118 +7°	1287 6	18.6 +7	41	8.9✓		
✓ 119 +6°	1242 6	19.0 +6	26	9.0 90	m	938168
✓ 120 +6°	1246 6	19.4 +6	36	8.5 91
121 +6°	1218 1118 6	15.1 +6	47	9.0✓		
122 +6°	1229 6	17.0 +6	34	9.0✓		
123 +7°	1262 6	15.7 +7	41	8.7✓		
124 +8°	1248 6	7.7 +8	37	9.2✓		
125 +9°	1163 6	7.7 +9	4	9.2✓		
126 +8°	1254 6	8.2 +8	11	9.2 ⁴ ✓		

Ident. on cards by A.M.C. Oct. 7, 1916
 Stars not ident. on I38168 & 38171 ident. as here Oct 7, 1916
 Ident. compared by G.O.B. Oct. 9, 1916

Monday June 26, 1916
B12671 Re-exam

✓	41	Q
✓	47	Q
✓	51	Q
✓	81	Ks
✓	154	Go

B12657 Re-exam

✓	67	Q
✓	70	Ks
✓	89	H

Perhaps Qs

June 26, 1916
B20527 Re-run

very fl.
- 44 Fr
- 71 Ao
- 43 K2
- 123 G5
- 185 Ko
- 190 Ko

B20535 Re-run

- 58 Ao
- 108 G5
- 111 Ao
- 112 K
- 137 K2
- 154 G0
- 155 K
- 191 Ko
- 196 K5
- 208 Ko

Tuesday, June 27, 1916
 B20649 Re-ven

✓ 139 G₀
 ✓ 146 F₁₅

others w/ pos to subdivide

B18484 Re-ven

✓ 2 G₀

others w/ pos to subdivide

B20547 Re-ven

✓ 159 G

Perhaps F₁₅

others w/ pos to subdivide

Wednesday, June 28, 1916
1310840

1	5.	B ₉
2	4	K ₀
3	4	A ₂

-	1	-78° 185	5	43.3	-78	53	62	21 on B20557
✓	2	-80 258	8	31.6	-80	30	7.4	14 on B20869
	3	-78° 273	7	46.0	-78	5	6.2	198 on B20652

June 28, 1916
B20652 Re-ryan

✓ 38 As
✓ 121 As
✓ 321 As
✓ 828 K
✓ 411 G

very ft. Class uncertain
very ft.

B15147 Re-ryan

✓ 90 As
✓ 156 F10
✓ 248 A

Perhaps F10
Perhaps As

B18485 Re-ryan

✓ 94 A
✓ 69 K2

very poor. May be F1

June 28, 1916
B 15767 Re-exam

- 18 G
- 94 Ar
- 133 K₅
- 139 G₀
- 141 G₅

very fb. Class uncertain

B 15720 Re-exam

- 16 Ar
- 28 K₀

Thursday, June 29, 1916
 138126 Re-union

-	7	A
-	14	A
-	25	K
-	38	H
-	50	H
-	67	A
-	102	K
-	103	A
-	113	A
-	116	H
-	126	Ao
-	127	Ao
-	136	G
-	139	Ao
-	160	G
-	152	B9

Edge

Image very poor. Perhaps H5

Star at S. superimposed

June 29, 1916
 B 18385 Re-run.

- 31 Ko
 - 43 K2

B 39704 Re-run

- 89 B

B 18975 Re-run

- 161 Ko

June 29, 1916
M24746 cont. from 67, 2

24 3

No

25 3

No

✓ 24-6°	1740	6	41.0	-	6	14	9.0	224 on B20895
✓ 25-6°	1741	6	41.0	-	6	19	9.1	225 " "

June 29, 1916
B20895 Re-union

✓ 263 As
✓ 265 As
✓ 273 Kd
✓ 291 As
✓ 309 As

B 937474 Re-union

✓ 189 As-

Friday, June 30, 1966

B 39936 Re-exam

✓ H1 As
✓ H2 K5

B 20582 Re-exam

205 As
206 As

Monday, July 10, 1916

937617

Re-exa

9 K₂

75 K₂

78 A₀

79 A₀



1916phae.proj.2214C