1916phae.proj.22160

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This book was examined for additional stars Dec. 23, 1916
by a.m.c. as far as p. 102. From P. 102 to P. 202
examined by M.A.H. for additional stars Mar. 23, 1917

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Thursday July 20, 1916

δ 38 43 2δ long

No	Int.	Class	Remarks
1	7	G5	
2	8	K0	
3	10	A	
4	6	A0	
5	4	A2	
6	5	A3	
7	5	F0	
8	3	A0	
9	4	K0	
10	4	F5	
11			

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1	+2°	2959	15	36.8	+2	39	6.1	✓
2	+2°	3007	15	43.0	+2	38	5.8	✓
3	+4°	3069	15	43.6	+4	33	3.3	✓
4	+5°	3072	15	38.2	+5	32	6.7	✓
5	+5°	3037	15	27.4	+5	13	7.3	✓
6	+2°	2977	15	27.8	+2	9	7.1	✓
7	+1°	3101	15	28.3	+1	43	7.1	✓
8	+0°	3389	15	34.6	+0	35	7.3	✓
9	~~+1°~~	3125	15	38.3	~~+0~~	19	6.7	✓
10	+0°	3401	15	39.9	+0	10	7.3	✓

Sent on cards by M.A.H. Aug. 26, 1916

Identified here Aug. 28 1916 LDW

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4

July 20, 1916
B, 1 6 5 A long

1 B3 8

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1916phae.proj.2216C

v 1 −41° 6529 11 18.4 −41 s9 6.5 107 m B4 1 x 20

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1916phae.proj.2216C

July 20, 1916
J35F196 contin. from 62, 45

188	5	B9
189	2	A0
190	4	G0
191	8	B0

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1916phae.proj.2216C

~ 188	+0° 1587	6	38.7	+0	57	8.3	22 on J3765	
189	+0° 1608	6	40.5	+0	28	8.7		
~ 190	+0° 1610	6	46.8	+0	27	8.2	25 on J3765	

No. 189 ident ~~in card~~ in book by M. A. H. Oct. 12, 1916

~ 191	+4 1414	6	36.0	+4	4	6.4	44 on J3765	

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1916phae.proj.2216c

Friday, July 21, 1916

937708 cont from 49, 34

136	2	g5	
137	2	Bg	Partly superp. on 138
138	3	Ao	
139	2	Ko	
140	2	Ko	
141	3	Ao	
142	2	Ao	
143	2	Ao	
144	2	g	Partly superp. on 143
145	6	$\frac{A_2}{g}$	Comp.

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1916phae.proj.2216C

✓	136 +2°	1520	6	54.7	+ 2	8	9.0	78 on	237652
✓	137 +3°	1469	6	48.8	+ 3	23	8.6	159	" "
✓	138 +3°	1466	6	48.7	+ 3	19	8.5	158	" "
✓	139 +3°	1451	6	46.3	+ 3	25	8.7	38	" "
✓	140 +4°	1506	6	47.4	+ 4	49	8.6	151	" "
✓	141 +4°	1529	6	51.6	+ 4	38	9.0	264	" "
✓	142 +6°	1471	6	51.8	+ 6	7	8.9	266	" "
✓	143 +5°	1499	6	51.3	+ 5	50	8.7	261	" "
✓	144 +5°	1498	6	51.3	+ 5	44	8.5	259	" "
✓	145 +2	1483	6	50.4	+2	29	8.0	54	" "

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1916phae.proj.2216c

Friday July 21, 1916

B 12670 photo

1	3	F5
2	4	A0
3	3	A2
4	4	B8
5	2	F5
6	2	G5
7	6	A a star superp. at south
8	4	B8
9	3	B9
10	4	K0
11	4	A0
12	4	A0
13	3	A0
14	4	A0
15	5	A0
16	3	A0
17	3	A2
18	2	G5
19	3	B9
20	5	B8
21	3	A0
22		

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1916phae.proj.2216C

v	1	+7°	1420	6	35.6	+ 7	56	8.5	292 on D37652
v	2+	+7°	1425	6	36.1	+ 7	38	8.4	293 " "
v	3	+7°	1433	6	37.1	+ 7	36	8.5	294 " "
✓	4	+8°	1490	6	38.9	+ 8	2	8.4	297 " "
	5	+8°	1492	6	39.0	+8	2	9.0 ✓	
	6	+8°	1494	6	39.3	+8	18	8.8 ✓	
v	7	+8°	1500	6	40.0	+ 8	11	9.0	301 on D37652
✓	8	+8°	1507	6	40.8	+ 8	6	8.7	228 " "
✓	9	+8°	1506	6	40.6	+ 8	47	8.9	302 " "
✓	10	+5°	1426	6	41.4	+ 5	45	8.8	235 " "
v	11	+8°	1531	6	43.4	+ 8	41	8.8	308 " "
✓	12+	+8°	1550	6	45.6	+ 8	26	9.0	313 " "
✓	13	+7°	1504	6	46.8	+ 7	53	8.6	249 " "
✓	14	+7°	1505	6	46.9	+ 7	13	8.7	248 " "
v	15	+6°	1413	6	44.5	+ 6	40	8.7	240 " "
v	16	+6°	1414	6	44.5	+ 6	50	8.7	241 " "
v	17	+6°	1408	6	43.8	+ 6	44	9.2	238 " "
v	18	+5°	1440	6	42.9	+ 5	49	9.0	236 " "
v	19	+5°	1395	6	37.6	+ 5	59	9.0	223 " "
✓	20	+6°	1369	6	36.4	+ 6	20	8.7	221 " "
v	21	+9	1424	6	45.2	+ 9	58	9.0	1 on D3697

Nos. 5+6 ident on cards by M. A. H. Aug. 26, 1916

Nos. 5+6 ident here Aug 28 1916 H.D.W.

Nos. 5+6 compared by F.C., Sept. 4, 1916.

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1916phae.proj.2216C

July 21, 1916
D 3.7610 Reagan

/ 25 Ko Excellent although weak edges

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1916phae.proj.2216C

Saturday July 22, 1916

D37801 Rowland

133 Ao

134 Ao

In other plates found in which these spectra are so good although near edge both appear to be certainly Ao

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1916phae.proj.2216c

Friday, Aug. 4, 1916

I37447 Rumaker

135 K_2
144 a Perhaps as

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1916phae.proj.2216C

Friday August 4, 1916

cont. from Bl. 64, 18 d37448

No.	Int.	class	Remark
84	3	F0	
85	8	K0	
86	1	a	
87	2	K0	
88	1	K2	
89	1	A0	
90	2	G5	
91	1	A0	
92	2	K2	
93	3	G0	
94	4	K0	
95	1	K2	
96	3	A0	
97	4	A0	
98	2	F8	
99	1	K0	
100	1	K2	
101	1	K2	
102	2	F5	
103	2	K0	
104	2	K2	
105	6	F0	
106	4	K0	
107	4	A2	
108	4	A3	
109	3	K0	

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1916phae.proj.2216C

84	+34°	1639	7	26.5	+34	38	8.7	196	on	937569
85	+31°	1620	7	25.9	+31	16	6.5	68	"	"
86	+32°	1593	7	29.0	+32	20	8.8	78	"	"
87	+34°	1668	7	36.1	+34	26	8.4	150	"	"
88	+34°	1667	7	36.1	+34	10	8.7	151	"	"
89	31°	1662	7	36.6	+31	55	9.0	157	"	"
90	+34°	1699	7	43.5	+34	49	8.6	223	"	"
91	+33°	1614	7	45.2	+33	57	9.1	169	"	"
92	+34°	1703	7	45.0	+34	40	8.3	235	"	"
93	+34°	1710	7	46.5	+34	49	8.2	222	"	"
94	+34	1712	7	46.7	+34	41	7.3	223	"	"
95	+34°	1714	7	47.5	+34	39	8.5	224	"	"
96	+35°	1713	7	47.3	+35	15	9.0	226	"	"
97	+35°	1720	7	48.9	+35	19	8.0	227	"	"
98	+33°	1624	7	48.8	+33	47	9.0	172	"	"
99	+33°	1627	7	50.0	+33	27	8.5	173	"	"
100	+33°	1629	7	50.4	+33	5	8.4	174	"	"
101	+31°	1710	7	50.9	+31	57	8.5	116	"	"
102	+31°	1705	7	50.0	+31	7	8.3	113	"	"
103	+36°	1677	7	36.4	+36	19	8.2	207	"	"
104	+36°	1675	7	35.2	+36	11	8.5	206	"	"
105	+37°	1759	7	32.8	+37	26	7.7	237	"	"
106	+37°	1800	7	45.9	+37	21	8.0	216	"	"
107	+37°	1813	7	50.0	+37	29	8.0	229	"	"
108	+35°	1652	7	26.3	+35	11	8.0	195	"	"
109	+36°	1731	7	52.9	+36	18	8.0	178	"	"

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1916phae.proj.2216c

Aug. 4, 1916

J37448

110	7	F2	
111	2	F8	
112	5	G0	
113	6	K5	
114	7	A0	
115	3	Mb	
116	7	K5	
117	6	Q3	4077 4128, 31 well marked
118	4	F5	
119	9	Ma	Intensities of lines resemble those in 61 Cygni
120	4	Mb	

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1916phae.proj.2216C

✓ 110	+36°	1740	7	56.6	+36	H2	7.0	180 on J37569
✓ 111	+34°	1692	7	42.2	+34	9	8.7	163 " "
✓ 112	+36°	1711	7	46.1	+36	53	8.0	217 " "
- 113	+36	1726						228 " "
- 114	+33	1636	7	54.9	+33	26		118 " "
✓ 110	+38	1798						20 " J37563
- 116	+38	1803						23 " "
117	+37	1756						236 on J37569
118	+36	1670						238 " "
119	+37	1769						239 " "
120	+36	1735						179 " "

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1916phae.proj.2216C

Aug. 4, 1916

I 37559 Reversed

~	15	G
~	20	Ao
~	26	Ko
~	38	K
~	44	Ao
~	70	Go
~	80	G
~	83	G
~	87	F5
~	90	F2
~	94	K2
~	126	G
~	127	G5
~	131	K
~	137	A
~	194	Go
~	197	F
~	201	F0
	48	F5
	53	G5

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1916phae.proj.2216C

Saturday Aug. 5, 1916

D 37448 Re-reduction

153 Ko.

D 38238 Re-reduction

48 95
49 93
51 K5

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1916phae.proj.2216C

Saturday Aug. 5, 1916

193817 Cont. from 63, Fe

134	3	a2
135	3	fo
136	2	go
137	2	as
138	7	fo
139	8	ao
140	2	a3
141	6:	b3?

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1916phae.proj..2216C

/	134	+24°	1659	7	18.2	+24	14	8.3	149 nw 137472
✓	135	+25°	1677	7	19.2	+25	19	8.2	151 " "
✓	136	+23°	1730	7	21.4	+23	8	8.5	157 " "
✓	137	+23°	1734	7	21.9	+23	15	8.6	158 " "
✓	138	+24°	1727	7	29.5	+24	42	7.0	164 " "
✓	139	+24°	1730	7	30.4	+24	34	7.0	165 " "
✓	140	+21	1638	7	25.8	+21	56	8.8	132 " "
✓	141	+28	1615	7	25.4	+28	43	7.7	10 " 137569

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1916phae.proj.2216c

Sunday, August 7, 1916.

λ3750 3 Re. near

✓	30	K₀
✓	32	F5
✓	46	K₀
✓	102	K₂
✓	117	K₀
✓	123	K₀

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1916phae.proj.2216C

Aug. 7, 1916
D 37570 Re-meas

–	64	A3
–	74	K0
–	75	A0
–	86	A0
–	135	K0
–	150	K0
–	161	K0
–	142	K0
–	147	K0
–	149	K0
–	187	A0
–	189	A0
–	209	G0
–	212	K0
–	217	G5
–	225	G5
–	227	A0
–	229	K2
–	236	F5

Double. s. p. comp. 0.6 mags. bright

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1916phae.proj.2216C

Tuesday, August 8, 1916

3 8 9 1 cont from 12, 1 16

23	2	F8
24	4	A3
25	3	A2
26	8	A5
27	1	K0
28	3	G0
29	2	A5
30	4	A5
31	4	B9
32	6	A5
33	1	K0
34	3	G5
35	3	A5
36	1	A
37	2	Ma
38	2	A5
39	3	F2
40	6	B9
41	3	K2
42	3	K0
43	6	A0
44	5	F5
45	3	F0
46	7	G0
47	7	A2
48	9	A2
49	5	A2
50	9	B8

46 shiny

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1916phae.proj.2216C

✓	23	+12°	1526	7	15.9	+ 12	21	8.4	12 on 137570
✓	24	+10°	1521	7	15.8	+ 10	59	8.2	14 " "
✓	25	+11°	1580	7	17.2	+ 11	12	8.7	16 " "
✓	26	+10°	1532	7	18.5	+ 10	54	7.0	17 " "
✓	27	+14°	1661	7	17.2	+ 14	23	9.2	22 " "
✓	28	+13°	1682	7	21.1	+ 13	10	8.7	38 " "
✓	29	+12°	1562	7	20.7	+ 12	26	8.5	42 " "
✓	30	+11°	1594	7	21.4	+ 11	50	8.5	44 " "
✓	31	+17°	1557	7	13.8	+ 17	2	8.6	118 " "
✓	32	+16°	1453	7	13.0	+ 16	15	8.5	115 " "
✓	33	+14°	1644	7	13.8	+ 14	54	8.8	120 " "
✓	34	+15°	1559	7	15.3	+ 15	35	8.5	122 " "
✓	35	+14°	1654	7	16.0	+ 14	45	9.2	124 " "
✓	36	+16	1459	7	13.8	+16	2	8.1	119 " "
✓	37	+13	1576	6	17.4	+13	55	7.7	83 on 136977
✓	38	+15	1487	7	2.0	+15	50	9.2	145 " "
✓	39	+13	1577	7	3.1	+13	36	8.9	83 " "
✓	40	+14	1628						75 " "
✓	41	+13	1626						76 " "
✓	42	+11	1578						89 on 137581
✓	43	+10	1505						88 " "
✓	44	+9	1620						87 " "
✓	45	+9	1623						86 " "
✓	46	+9	1603						166 on 136977
✓	47	+9	1597						167 " "
✓	48	+11	1578						13 on 137570
✓	49	+11	1574						15 " "
✓	50	+11	1588						18 " "
									141 " "

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1916phae.proj.2216c

Aug. 8, 1916

I 3755 Rowan

✓ 48 Ko

✓ 68 Ko cmf. in slint dispersion

I 3821 Rowan

✓ 14 G

✓ 45 K5-

✓ 50 A5-

✓ 51 Ko

✓ 78 G0

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Thursday Aug 10, 1916

I37 F25 cont from 53, 146

131 2 a_4

132 1 [illegible] K_0 [illegible]

133 7 a_3

134 9 $a_0 p$ 4128, 31 shng

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1916phae.proj.2216C

✓ 131 +32° 856 5⁻ 12.4 +32 14 8.8 .

✓ 132 +32° 855 5⁻ 12.2 +32 10 8.7

checked by a.f.c.

✓ 133 +27° 732 5⁻ 0.7 +27 5-1 5:5⁻ 45⁻m J3699

✓ 134 +33 1008 5⁻ 9.5 +33 35⁻ 6.2 60 m J3736⁻

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1916phae.proj.2216c

Wednesday, Aug. 16, 1916

B12755

No	Mt	Class	Remark
11:16 1	4	A_0	
2	4	A_0	Another star sup. s.p.
3	3	A_0	
4	4	K_0	Another star sup. n.p.
5	4	A_0	" " " on fricd. Also class R.
6	3	K_0	
7	2	K_2	
8	5	A_0	
9	3	G_0	
10	3	G_5	
11	3	G_0	
12	4	A_0	
13	2	A_0	
14	1	K_2	
15	2	A_0	
16	3	F_5	
17	3	A_0	
18	3	K_0	
19	2	A_3	
20	2	A_0	
21	4	B_8	
22	1	K_2	
23	4	A_0	
24	4	G_5	
25	2	A_2	
26	2	G_5	

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1916phae.proj.2216C

✓	1 +4°	1667 7	13.4	+4	20	8.8	212 on 37580
✓	2 +4°	1670 7	13.6	+4	33	8.7	213 " "
✓	3 +4°	1680 7	15.0	+4	42	9.0	216 " "
	4 +5°	1643 7	15.5	+5	39	8.3 ✓	+5° 1640 7 15.4+5.3 Subst. 70 n
✓	5 +5°	1654 7	18.0	+5	54	8.5	225 on 37580
✓	6 +5°	1656 7	18.2	+5	31	8.3	226 " "
	7 +5°	1652 7	17.8	+5	8	8.0 ✓	
✓	8 +4°	1693 7	17.8	+4	51	8.8	223 on 37580
	9 +4°	1689 7	17.3	+4	24	8.5 ✓	
	10 +5°	1657 7	18.3	+5	16	8.7 ✓	
	11 +5°	1667 7	19.5	+5	26	8.7 ✓	
	12 +6°	1674 7	20.2	+6	12	8.6 ✓	
	13 +7°	1739 7	21.3	+7	25	9.0 ✓	
	14 +6°	1690 7	21.8	+6	57	8.5 ✓	
	15 +7°	1754 7	24.2	+7	9	9.3 ✓	
	16 +6°	1691 7	22.5	+6	19	8.6 ✓	
	17 +6°	1693 7	22.5	+6	3	9.2 ✓	
	18 +6° 170°	1699 7	23.2	+6	16	8.5 ✓	
	19 +5°	1680 7	21.9	+5	49	9.2 ✓	
	20 +5°	1685 7	22.3	+5	36	9.1 ✓	~~234 on 37580~~
✓	21 +5°	1689 7	23.2	+5	32	8.7	234 on 37580
✓	22 +5°	1690 7	23.4	+5	16	8.5	239 " "
✓	23 +4°	1724 7	23.1	+4	40	8.5	236 " "
✓	24 +4°	1714 7	20.8	+4	26	8.4	230 " "
	25 +4°	1712 7	20.7	+4	24	9.0 ✓	
	26 +4°	1707 7	20.2	+4	42	9.0 ✓	

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1916phae.proj.2216c

Wednesday, Aug. 16, 1916

B12755

No	Int	Class	Remark
27	3	g_0	
28	2	g_0	
29	2	F_5	
30	3	a_2	
31	3	g_0	
32	x	K_0	
33	2	a_0	
34	2	g_5	
35	1	K_0	
36	2	a_0	
37	2	a_3	
38	2	a_0	
39	2	F_8	
40	1	K_0	
41	3	F_8	
42	1	g_0	
43	2	a_2	
44	2	K_5	
45	2	K_0	
46	1	K_5	
47	2	g_0	
48	2	g_5	
49	2	K_5	
50	3	a_0	
51	4	a_3	
52	3	g_0	

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1916phae.proj.2216C

27	+4°	1699	7	19.0	+4	40	8.8 ✓
28	+4°	1702	7	19.4	+4	14	9.3 ✓
29	+4°	1697	7	18.5	+4	18	8.8 ✓
✓	30 +3°	1671	7	16.8	+3	41	9.2 220 on 37580
31	+4°	1684	7	16.3	+4	51	8.7 ✓
32	+5°	1644	7	16.1	+5	14	8.5 ✓
33	+3°	1664	7	15.2	+3	59	9.2 ✓
34	+3°	1666	7	15.5	+3	34	9.2 ✓
35	+3°	1661	7	14.6	+3	54	9.0 ✓
36	Approx 1855 pos.		7	17.0	+2	30	
37	+2°	1666	7	17.1	+2	11	9.0 ✓
✓	38 +2°	1671	7	18.3	+2	22	9.3 109 on 37580
39	+2°	1673	7	18.7	+2	32	8.8 ✓
✓	40 +3°	1683	7	19.0	+3	20	8.8 111 on 37580
41	+3°	1690	7	20.5	+3	34	9.2 ✓
42	+1°	1810	7	19.6	+1	53	9.0 ✓
✓	43 +1°	1812	7	20.3	+1	53	9.0 116 on 37580
✓	44 +1°	1816	7	20.8	+1	54	8.8 119 " "
45	+1°	1824	7	22.5	+1	54	8.8 ✓
46	+3°	1706	7	23.8	+3	20	8.8 ✓
47	+3°	1703	7	23.1	+3	14	9.1 ✓
48	+4°	1743	7	25.9	+4	11	9.0 ✓
49	+3°	1718	7	26.3	+3	57	8.7 ✓
✓	50 +4°	1745	7	26.4	+4	33	9.1 242 on 37580
51	+4°	1732	7	24.5	+4	48	8.8 ✓
52	+5°	1699	7	24.8	+5	9	8.5 ✓

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1916phae.proj.2216c

Wednesday, Aug. 16, 1916
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No	Int	Class	Remark
53	3	F8	
54	3	A2	Another star sup. n. f. Prob. class K
55	3	F0	
56	4	A0	
57	6	G0	
58	2	K0	
59	2	G5	
60	4	A2	
61	3	G0	Another star sup. n. f. Prob. class G
62	3	A2	
63	3	A5	
64	4	K0	
65	4	F8	
66	1	K0	
67	3	F5	
68	2	G0	
69	2	F8	
70	4	A0	
71	2	K2	
72	4	F8	Another star sup. s. f.
73	3	G0	
74	2	A2	
75	5	F8	
76	6	A0	
77	4	A0	
78	3	A5	

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1916phae.proj.2216C

53	+5°	1704	7	25.4	+5	55	9.0 ✓
54	+6°	1715	7	26.1	+6	8	9.0 ✓
55	+6°	1723	7	27.7	+6	0	8.8 ✓
✓ 56	+5°	1721	7	28.9	+5	35	8.9 249 on 937580
✓ 57	+5°	1731	7	30.3	+5	55	8.4 251 " "
58	+6°	1728	7	28.8	+6	28	8.8 ✓
		1733	7	29.9	+6	49	9.0
59	+6°	1734	7	29.4	+6	37	9.3
60	+7°	1798	7	31.9	+7	47	8.7 ✓
61	+7°	1802	7	32.9	+7	22	8.3 +7° 1801 8.9 Super
62	+6°	1746	7	32.2	+6	1	8.9 ✓
63	+5°	1741	7	32.1	+5	36	8.8 ✓
64	+5°	1746	7	33.1	+5	19	8.3 ✓
65	+4°	1770	7	31.0	+4	58	8.8 ✓
66	+4°	1763	7	30.2	+4	52	8.8 ✓
67	+4°	1775	7	32.1	+4	27	8.8 ✓
68	+4°	1794	7	35.2	+4	26	9.0 ✓
69	+4°	1801	7	36.2	+4	30	8.8 ✓
✓ 70	+4°	1807	7	37.3	+4	46	8.6 192 on 937580
71	+4°	1812	7	38.2	+4	38	8.3 ✓
✓ 72	+4°	1817	7	39.3	+4	55	8.9 197 on 937580
73	+5°	1778	7	38.3	+5	26	8.3 ✓
74	+5°	1765	7	36.7	+5	18	9.3 ✓
75	+6°	1789	7	41.4	+6	6	8.4 5 on 937573
76	+6	1790	7	41.8	+6	1	8.3 6 " "
77	+5°	1791	7	40.4	+5	34	9.0 ✓
78	+5°	1786	7	39.9	+5	16	8.8 ✓

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1916phae.proj.2216c

Wednesday, Aug. 16, 1916
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No	Fil	Class	Remark
79	2	g_2	Star class a sup. at south
80	3	a_2	
81	3	a_0	
82	2	a_0	
83	3	K_0	
84	3	a_0	
85	4	g_0	
86	4	K_0	
87	4	a_0	
88	4	a_0	
89	2	g_0	
90	1	K_0	
91	1	K_0	Another star sup. on pivot.
92	4	a_5	
93	2	K_2	
94	2	K_0	
95	3	a_0	
96	2	a_3	
97	2	a_3	
98	3	F_5	
99	4	a_0	
100	2	a_2	Another star sup. on foll.
101	3	g_0	
102	3	a_2	
103	2	K_2	
104	2	K_2	

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1916phae.proj.2216C

✓	79 +5°	1807 7	43.1	+5	13	8.6 202	on 7 37580
	80 +4°	1834 7	42.4	+4	53	8.8 ✓	
✓	81 +4°	1830 7	42.2	+4	29	8.8 206	on 7 37580
	82 +3°	1823 7	44.3	+3	34	9.0 ✓	
	83 +3°	1826 7	45.0	+3	37	8.8 ✓	
✓	84 +2°	1783 7	40.2	+2	48	9.5 177	on 7 37580
✓	85 +1°	1909 7	40.8	+1	46	8.8 182	" "
✓	86 +1°	1927 7	43.6	+1	2	8.2 96	" "
✓	87 +1°	1924 7	43.4	+1	8	9.2 95	" "
✓	88 +1°	1901 7	38.6	+1	47	9.0 175	" "
	89 +2°	1774 7	38.7	+2	6	9.0 ✓	
	90 +2°	1773 7	38.5	+2	24	9.0 ✓	
	91 +2°	1765 7	37.4	+2	58	8.8 ✓	
	92 +3°	1775 7	36.4	+3	10	9.0 ✓	
	93 +3°	1772 7	35.9	+3	12	8.8 ✓	
	94 +3°	1768 7	35.5	+3	13	8.5 ✓	
✓	95 +2°	1757 7	35.5	+2	6	9.1 169	on 7 37580
	96 +2°	1758 7	35.7	+2	12	9.0 ✓	
✓	97 +1°	1893 7	36.8	+1	26	9.0 170	on 7 37580
	98 +1°	1894 7	36.9	+1	17	9.0 ✓	
	99 +1°	1887 7	35.6	+1	3	9.1 ✓	
✓	100 +2°	1749 7	34.5	+2	38	9.4 166	on 7 37580
	101 +3°	1746 7	31.3	+3	9	9.0 ✓	
✓	102 +2°	1716 7	29.2	+2	48	9.1 146	on 7 37580
✓	103 +2°	1713 7	28.7	+2	35	8.8 145	" "
✓	104 +2°	1707 7	28.0	+2	51	9.0 142	" "

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1916phae.proj.2216c

Wednesday, Aug. 16, 1916

B 12755

	No	Fil	Class	Remark
	105	3	a_0	
	106	5	B_8	
	107	2	g_5	
11:43	108	3	a_0	
	109	4	g_0	
	110	2	a_2	
	111	7	a_2	
	112	3	K_2	

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1916phae.proj.22166

105	+2°	1705	7	27.4	+2	40	9.0 ✓	
106	+2°	1700	7	26.5	+2	56	9.0	137 on 37580
107	+2°	1698	7	26.1	+2	18	8.8 ✓	
108	+1°	1854	7	27.7	+1	40	9.0	52 on 37580
109	+4	1809	7	37.7	+4	13	8.8	153 " "
110	+4°	1797	7	35.6	+4	7	9.3	

Ident. on cards by M.A.H. Aug. 26, 1916

Stars (not identified on I 37580 or 37553, identified here Oct. 3/1916 IDW.

Identification ~~checked~~ compared by G.R.O3. Oct. 4, 1916

111	+2°	1664	7	16.5	+2	16	8.0	106 on 37580
112	+1°	1786	7	17.4	+1	54	8.6	108 " "

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1916phae.proj.2216c

Thursday, Aug 17, 1916

B20709 short

	No	Int	Class	Remark
12:00	1	2	A_0	
	2	1	K_0	
	3	2	A_2	
	4	3	A_0	
	5	1	K_5	
	6	3	A_5	
	7	1	G_0	
	8	1	G_5	
	9	4	G_0	
	10	3	A_0	
	11	2	K_2	
	12	1	A_0	
	13	1	F8	
	14	1	G_0	
	15	2	A_0	
	16	1	F8	
	17	2	A_3	
	18	1	Ma	
	19	2	A_2	
	20	2	A_2	
	21	2	A_0	
	22	2	A_0	
	23	1	K_5	
	24	4	G_5	
	25	1	A_0	
	26	3	A_2	

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1916phae.proj.22166

1	+7°	1885	7	50.8	+7	57	9.0 ✓
2	+8°	1933	7	51.4	+8	21	8.7 ✓
3	+7°	1881	7	50.6	+7	22	8.8 ✓
4	+6°	1832	7	50.0	+6	48	8.8 ✓
5	+6°	1828	7	48.8	+6	47	8.2 ✓
6	+8°	1917	7	48.1	+8	0	8.4 ✓
7	+7°	1866	7	47.6	+7	56	8.9 ✓
8	+7°	1861	7	46.9	+7	33	8.8 ✓
✓	9 +7°	1854	7	45.2	+7	5	8.3 68 on 937553
10	+7°	1847	7	48.6	+7	43	8.8 ✓
✓	11 +9°	1805	7	45.9	+9	23	7.9 109 on 937553
12	+9°	1808	7	46.4	+9	39	9.2 ✓
13	+10°	1658	7	46.8	+10	14	8.7 ✓ +10° 1657, magn. 9.2 sep. in pos.
14	+10°	1658	7	47.1	+10	45	8.9 ✓
15	+10°	1660	7	47.7	+10	38	9.0 ✓
16	+11°	1718	7	48.5	+11	6	8.8 ✓
17	+11°	1722	7	49.1	+11	23	8.7 ✓
18	+11°	1719	7	48.6	+11	26	8.0 ✓
19	+12°	1728	7	50.0	+12	25	8.3 ✓
20	+11°	1723	7	49.2	+11	57	9.0 ✓
21	+13°	1800	7	48.1	+13	2	8.4 ✓
22	+12°	1701	7	44.7	+12	24	8.4 ✓
23	+11°	1699	7	44.1	+11	32	8.3 ✓
✓	24 +10°	1640	7	42.4	+10	53	8.5 104 on 937553
25	+10°	1645	7	43.2	+10	46	9.1 ✓
✓	26 +11°	1679	7	40.7	+11	30	8.6 102 on 937553

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1916phae.proj.2216c

Thursday, Aug. 17, 1916
B 20709 Short

No	Pht	Class	Remark
27	3	A0	
28	3	A0	
29	2	A0	
30	1	K0	
31	2	A0	
32	1	G0	
33	3	F8	
34	1	G5	
35	1	G5	
36	2	A2	
37	2	K0	
38	1	A0	
39	3	A2	
40	2	F5	
41	3	A0	
42	1	A0	
43	2	K5	
44	3	A2	
45	3	F8	
46	2	F8	
47	1	K5	
48	4	G5	
49	2	K2	
12:12 50	6	A0	
51			
52			

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✓	27	+11°	1677	7	40.0	+11	28	8.3 101 on 37553
✓	28	+12°	1664	7	37.5	+12	5	8.6 100 " "
✓	29	+8°	1862	7	37.6	+8	7	8.7 63 " 37581
	30	+8°	1863	7	37.7	+8	5	8.1 ✓
✓	31	+8°	1871	7	39.4	+8	43	8.7 80 on 37581
	32	+8°	1874	7	39.6	+8	48	8.8 ✓
✓	33	+9°	1769	7	40.8	+9	50	8.8 106 on 37553
	34	+9°	1791	7	43.8	+9	46	8.3 ✓
	35	+9°	1794	7	44.1	+9	35	8.6 ✓
	36	+7°	1842	7	42.3	+7	5	8.8 ✓ 75 on 37581
	37	+6°	1791	7	42.3	+6	35	8.5 74 " " "
✓	38	+6°	1786	7	40.8	+6	10	9.3 73 " "
	39	+6°	1797	7	43.5	+6	18	8.7 ✓
	40	+6°	1799	7	44.0	+6	11	9.0 ✓
✓	41	+5°	1824	7	46.1	+5	47	8.5 17 on 37553
	42	+5°	1834	7	47.3	+5	48	9.0 ✓
	43	+4°	1861	7	48.9	+4	58	8.4 ✓
✓	44	+6°	1843	7	52.0	+6	23	9.0 29 on 37553 " "
✓	45	+5°	1849	7	51.7	+5	55	8.6 27
	46	+6°	1849	7	52.8	+6	13	8.8 ✓
	47	+5°	1853	7	52.6	+5	8	8.9 ✓
✓	48	+4°	1882	7	54.8	+4	33	8.5 35 on 37553
✓	49	+12	1749	7	54.5	+12	38	8.0 49 on 37553
✓	50	+9°	1816	7	47.6	+9	6	8.5 112 on 37553

Ident. on cards by M. A. H. Aug. 26, 1916
Identified in book Sept. 2 1916 JDW
Compared by Miss Cushman, Sept. 4, 1916.

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1916phae.proj.2216c

Friday, Aug. 18, 1916

Examination of plates of R R Lyrae.

Classified F8 on I 37349
F2 on I 38561

Spectrum found & measured by Shapley. See

I 34909 Oct. 4, 1907
compared with M. H's sep. of TT Lyrae

b 1, 3 c

Spectra hazy, hydrogen lines not sharply defined. K not seen clearly.

Class. A - F1

I 34230 Sept. 7, 1906

a 1, 5 b.

Sp. A. Hydrogen strong and distinct. K not clearly seen.

I 2417 Dec. 4, 1890

b 3, 1 c

Sp. hazy near edge.
Hydrogen not seen clearly.
Appears like an F5 star

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1916phae.proj.2216C

I 23132 too poor

I 36758 July 9, 1908

b 1, 3 c
a - 1/1. Like I 35409

I 4331 Sept. 25, 1891
Edge v = b
Lines not very clearly marked
Appears like F - G.

Too poor to draw Conclusions
&

I 4368
b 1, 2 c
Image looks like F. G,
but lines are barely seen

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1916phae.proj.2216c

Aug. 18, 1916

R S Bowtis

D37598 classified for N.D.C
Does not show spectrum

D37574 classified for N.D.C.
Image barely seen, only a blur.

D2318
Sp. too poor. No lines seen

D37156 Isv.
Very poor.

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Tuesday, August 22, 1916

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1916phae.proj.2216c

Tuesday Aug. 22, 1916
1 1 2006 9

1	4	Ma
2	4[1]	Pec. Brijat band
3.	2	Ma

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1916phae.proj.2216C

✓	1	+43°	44	0	16.1	+43	12	8.1	150 m I38896
✓	2	+43	53	0	12.3	+43	54	8.2	Pencil Chart,
✓	3	+44°	66	0	14.0	+44	4	9.0	Checked for NSS

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1916phae.proj.2216c

Aug. 22, 1916
B20801 cont. from 67, 140

131	2	Go	−12°, Fuz rup. at S. very ft. also G.
132	3	a0	
133	2	a2	
134	2	B	
135	2	ma	
136	3	K5	

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1916phae.proj.22160

✓	131	−12°	1845	7	6.3	−12	38	9.0	471 on B24606
✓	132	−13°	1841	7	1.9	−13	28	9.0	451 on B24606
✓	133	−13°	1838	7	1.5	−13	2	9.1	452 on B24606
✓	134	−13°	2018	7	20.4	−13	6	9.5	447 on B24606
✓	135	−13	1901	7	8.7	−13	33	8.7	[1162 on this plate]
✓	136	−13	1908	6	18.4	−13	46	8.0	183 on B24360

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1916phae.proj.2216C

Wednesday, Aug. 23, 1916

938671-l.

No	Fut	Class	Remark
~~16·34~~ 1	7	A2	
2	3	A2	
3	5	F0	
4	4	B8	
5	8	B3	
6	5	K0	
7	3	B8	
8	7	F2	
9	5	B9	
10	5	A2	
11	5	B9	N4128, 31 strong
12	6	Comp.	Br. = F5, Fr. = A0
13	3	B9	
14	4	B5	
15	2	F0	
16	6	Comp.	Br. = K5, Fr. = prob. B
17	4	B9	
18	3	B8	
19	3	G0	
20	6	F0	
21	9	B9	
22	5	K0	
23	3	B3	
24	6	B3	
25	3	B8	
26	7	B5	

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1916phae.proj.2216c

1	−15°	1734	7	9.7	−15	20	6.0 ✓	
2	−14° 16°	1797	7	9.5	−14	15	7.2 ✓	
3	−17°	1898	7	12.9	−16	8	5.9 ✓	
4	−17°	1917	7	12.8	−17	15	6.9 ✓	
5	−15°	1810	7	18.1	−15	55	5.8 ✓	
6	−14°	1846	7	14.3	−14	5	6.2 ✓	
✓	7 −13°	1981	7	17.0	−13	49	7.8 399 on B 24606	
	8 −13°	2001	7	18.5	−13	26	6.5 ✓	
✓	9 −13°	2008	7	19.3	−13	53	7.2 407 on B24606	
	10 −14°	1887	7	18.5	−14	36	7.5 ✓	
✓	11 −12°	1969	7	19.9	−12	54	7.2 448 on B24606	
/	12 −11°	1951	7	21.1	−11	16	6.3 ~~154 on B24606~~	
/	13 −10°	2061	7	21.4	−10	58	8.0 144 on B24606	
	14 −13°	2051	7	23.2	−13	41	7.0 ✓	
	15 −14°	1928	7	23.2	−14	4	7.7 ✓ −14° 1929, mag. 7.4, sep. n.f.	
	16 −14°	1971	7	27.1	−14	13	5.8 ✓	
	17 −14°	2020 2021	7	29.9 29.9	−14 −14	10 10	8.0 8.0 ✓	
	18 −14°	2025	7	30.0	−14	8	8.0 ✓	
	19 −15°	1904	7	27.7	−15	53	7.0 ✓	
	20 −17°	1980	7	20.7	−17	34	6.0 ✓	
	21 −18°	1806	7	15.8	−18	44	6.0 ✓	
	22 −19°	1944	7	26.9	−19	6	6.2 ✓	
	23 −19°	1950 19	7	27.9	−19	49	7.3 ✓	
	24 −19°	1867	7	30.3	−19	23	5.8 ✓	
	25 −18°	1946	7	32.7	−18	21	7.3 ✓	
✓	26 −14	1899	7	29.4	−14	10	6.9 3 on B2399	

Ident. on cards by M. A. H. Aug. 26, 1916

Ident. here Sept. 2 1916 A.D.W.

Compared by F.C. Sept. 4, 1916.

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1916phae.proj.2216C

Friday, September 22, 1916

D 37581 Re-exam

-	24		Maybe A3. Scratch on spider of K
-	39	K0	
-	46	A0	
-	53	G5	
-	61	G5	
-	65	K0	
-	113	A0	
-	114	A0	
-	117		Perhaps F5
-	128	K0	
-	134	A0	
-	155	G5	
-	158	K0	

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1916phae.proj.2216C

Sept. 22, 1916

B 18476 Re. exam

✓ 244 $ 7.75

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1916phae.proj.2216C

Sept. 22, 1916

B 6288 cmbn. from 68, 70

367 4 B5-

B 44419 cmbn. from 102, 128

1825 A2 Line 4077 slightly stronger than normal

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1916phae.proj.2216C

✓ 351 ? 37.3 -17 36 -17°2120 8.6 24m B1877 6

B4446

✓182 -6° 2334 ? 44.4 -6 37 7.5 17m B1886.

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1916phae.proj.2216c

Monday September 25, 1916

B20767 cont. from 65, 66

106	6	Bz
107	3	Az
108	4	By
109	2	By
110	6	Ay

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1916phae.proj.2216C

✓	106	-19°	1854 7	17.1	-19	57	7.5	192 on B18301
✓	107	-19°	1809 7	12.4	-19	51	8.6	135 on B18301
✓	108	-19°	1807 7	12.4	-19	52	8.5	136 on B18301
✓	109	-22	1805 7	12.5	-22	51	9.3	100 on B18301
✓	110	-23	4937 7	3.2	-23	53	8.3	19 on B18301

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1916phae.proj.2216c

Tuesday September 26, 1916

B 1+3 01 cont from 47, 60

	316	1	A_5	
✓	317	2	K_0	
✓	318	2	A_0	
✓	319	3	B8	
✓	320	2	A_0	
✓	321	3	B8	
✓	322	2	A_2	
	323	3	K	Star of class A appears to be super. Perhaps comp.
	324	2	A_5	
	325	6	A_3	

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1916phae.proj.22166

✓	316	-22°	1809	7	13.1	-22	8	9.5	74 m B20767
	317	-21°	1857	7	11.9	-21	59	8.8	✓
	318	-19°	1846	7	16.0	-19	42	9.0	✓
	319	-20°	1874	7	15.0	-20	30	9.2	✓
	320	-20°	1865	7	14.3	-20	13	9.3	✓
	321	-19°	1812	7	12.6	-19	12	8.9	✓
	322	-19°	1806	7	12.3	-19	10	8.8	✓
✓	323	-18°	1794	7	14.3	-18	58	8.2	75 m B20767
✓	324	-21	1839	7	9.6	-21	42	9.4	70 " "

Idents on cards by A.M.C. Dec. 27, 1916

Nos. 317 - 322 inc. ident. in book by J.C.M. Dec. 27, 1916.

" " compared by E.R.B. Dec. 28, 1916

✓	325	-19	1893	7	32.6	-19	57	7.7	34 m B8903

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1916phae.proj.2216c

Wednesday Sept. 27, 1916

Bill 101 long. (for a few hyperbolas)

1	4	B2
2	5	F0
3	3	B3
4	3	B0
5	4	B8
6	7	B9
7	5	B5
8	5	B8 Hβ n.s. Bright?
9	3	A0
10	6	F2
11	6	B5
12	6	B9
13	5	A0
14	5	B5 Lines very narrow
15	9	B3
16	6	B8

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1910phae.proj.22166

✓	1	-33°	3953	7	31.1	-33	7	7.5	35 on B4291
✓	2	-33°	3926	7	~~30.4~~ 29.5	-33	~~15~~ 11	6.6	41 " "
✓	3	-33°	3915	7	28.7	-33	8	7.5	42 " "
✓	4	-33°	3879	7	~~26.8~~ 25.9	-33	53°	7.5	44 " "
✓	5	-34°	3634	7	24.4	-34	40	7.5	84 " "
✓	6	-34°	3755	7	32.8	-34	41	4.8	6 " B42934
✓	7	-36°	3773	7	34.2	-36	13	6.3	2 " B42928
	8	-37°	3770	7	35.3	-37	17	6.7	✓
	9	-33°	4283	7	49.4	-33	42	7.7	72 on B 42909
	10	-34°	4036	7	47.6	-34	23	5.7	✓
	11	-35°	4002	7	49.6	-35	32	6.1	✓

(Nos. 8, 10, 11 ~~sup.~~ ident. on cards by M. A. H. Oct. 12, 1916
" 8, 10, 11 identified here Oct. 13 1916 LDW
" " " compared by G.R.C.B. Oct. 14, 1916

✓	12	-35°	3659	7	27.8	-35	42	6.5	73 on BH2915
✓	13	-35°	3652	7	27.2	-35	37	6.7	74 " "
✓	14	-35°	3650	7	26.9	-35	54	7.1	75 " "
✓	15	-35	3556	7	36.9	-35	14	6.2	8 on B42928
✓	16	-35	3569						24 on B7406

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1916phae.proj.2216C

Sept. 27, 1916
B 1892 emb. from 65, 88

✓ 104	1	Ko	
✓ 105	3	As	
106	2	K	Sup. in 105 + 107
✓ 107	4	B9	
108	7	As	

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1916phae.proj.2216c

✓	104	-30°	H456	7	19.9	−	30 51	8.6	257 on B42915
✓	105	-31°	H472	7	19.3	−	31 40	9.7	223 " "
✓	106	-31°	H468	7	19.3	−	31 39	8.0	
✓	107	-31°	H467	7	19.3	−	31 40	9.3	224 on B42915
✓	108	-30	4081	7	7.2	−	30 36	6.6	48 on B7K06

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1916phae.proj.2216c

Wed. Sept. 27, 1916

B17047 Rev. Ryan

35 Ao Lut. 10.

B20557 Rev. Ryan

92 Ao

B8862 Rev. Ryan

31 Ao Lut. 10

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1916phae.proj.2216C

Sept. 27, 1916

B 42415 Re. upon

305 K0
317 K2

B 18288 Re. upon

325 K2

B 18976 Re. upon

277 B Perhaps B0

B 24433 Re. upon

4 K0
456 A Perhaps A5

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1916phae.proj.2216c

Friday September 29, 1916

B20670 cont. from 58,212

475	2	A2
476	2	K5
477	1	K5
478	2	K2
479	8	K2
480	2	G5
481	4	F8

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1916phae.proj.2216C

475	-37°3312	7	2.0	-37	23	9.5	172m B2053K
476	-38°3202	7	4.4	-38	27	8.7	181 " "
477	-39°3103	7	4.4	-39	1	9.3	184 " "
478	-38 3327	7	15.7	-38	58	8.5	77 " B2067
479	-38 3302	7	13.2	-38	41	7.1	73 " "
480	-40 2560	X[6]	57.8	-40	13	9.0	125 " "
481	-34 3610	7	22.4	-34	4	8.2	

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1916phae.proj.2216c

Sept 29, 16

B20656, Re. exam

✓ 66 A0
✓ 117 A0
✓ 126 A0

B18435 Re. exam

✓ 56 B9
✓ 86 K0

B20670 Re. exam

✓ 407 A2
✓ 411 A2
✓ 414 G5

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1916phae.proj.2216C

Sept 29, 1916

B 40080

339 a Lines rather narrow. Perhaps BG

B 20670 Rather narrow

~ 179 ao
~ 209 go
~ 359 ao
~ 360 go

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1916phae.proj.2216c

September 29, 1916
B 12657 cont. from 58, 138

92	1	K_0
93	2	Q_0
94	2	a_0
95	1	g_5
96	1	a_3
97		
97	3	a_2

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1916phae.proj.2216C

92 −39° 27M0 b 35.3 −39 25 8.0 ✓
93 −39° 27M8 b 35.7 −39 18 8.5 ✓
94 −39° 2750 b 35.9 −39 22 8.7 ✓
95 −39° 27M4 b 35.5 −39 56 8.0 ✓
96 −40° 26M7 b 39.2 −40 5 8.7 ✓

Ident. on cards by M. A. H. Oct. 11, 1916
Identified here Oct. 13 1916 LDW
Ident. compared by G. R. B. Oct. 14, 1916 –

✓ 97 −40 2611 6 36.1 −40 39 8.3 5m B126 49

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1916phae.proj.2216c

September 29, 1916
B24433 cont. from 59, 206

554 2 Ind. Var. of class A emp. at K.
555 2 G5

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1916phae.proj.22166

554 −29° 3876 λ^7 0.9 −29 44 8.5

555 −29° 3852 λ^6 59.8 −29 30 9.0 −29° 3853 9.0 V V super.

Ident. on cards by M.A.H. Oct. 11, 1916

Identified here Oct. 13 1916 L.D.R.

Ident. compared by G.R.B. Oct. 14, 1916

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1916phae.proj.2216c

October 2, 1916

B 18435 cont. from 48,216

149	2	a_2
150	2	a_3
151	3	a_3
152	2	a_0
153	3	a_2
154	4	a_2
155	4	B8
156	3	a_0
157	5	a_2
158	2	a_0
159	3	a_0
160		K_2
161	7	5

Partly superposed on −35°.3932

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1916phae.proj.2216C

✓	149	-36°	3776	7	34.5	-36	8	9.0	2 on B42909	
✓	150	-35°	3761	7	35.0	-35	57	9.0	3 "	"
✓	151	-37°	3764	7	35.2	-37	13	9.3	9 "	"
✓	152	-36°	3808	7	36.8	-36	53	9.0	10 "	"
✓	153	-36°	3953	7	45.7	-36	48	9.0	23 "	"
✓	154	-35°	3967	7	47.6	-35	44	9.0	61 "	"
✓	155	-34°	4002	7	46.2	-34	24	8.5	66 "	"
✓	156	-34°	4019	7	47.0	-34	19	9.1	67 "	"
✓	157	-34°	4017	7	46.9	-34	38	8.5	68 "	"
✓	158	-34°	4158	7	53.9	-34	17	9.0	83 "	"
-	159	-35°	3932	7	45.7	-35	26	8.7	64 "	"
-	160	-35	3933	7	45.7	-35	28	7.5	63 "	"
-	161	-37	3666	7	25.1	-37	52	7.5	396 on B20676	

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1916phae.proj.2216C

Tuesday, Oct. 3, 1916

B 40880 Reinmuth.

✓ 240 Go

B 20556 Reinmuth

✓ 31 Gs-

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1916phae.proj.22166

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1916phae.proj.2216C

Wednesday October 4, 1916

B245-94 cont. from 74, 92

340	3	Ko	
341	2	a	
342	1	Ko	
343	3	a	Another star super. on following same Class.
344	2	Ao	
345	2	Ao	
346	3	Ao	
347	3	B3	
348	2	G5	
349	3	Ao	
350	2	Ao	
351	2	Ko	
352	2	F5	
353	2	Ao	
354			
355			

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1916phae.proj.2216c

340	−13°	21~~+9~~ 20	7	29.9	−13	~~56.6~~ 44	9.0
341	−14°	2019	7	29.9	−14	6.5	9.1
342	−14°	2017	7	29.8	−14	8.1	9.5
343	−14°	2012	7	29.7	−14	10.9	9.0
344	−14°	2010	7	29.7	−14	16.5	9.4
345	−14°	2014	7	29.7	−14	16.7	9.4
346	−13°	2113	7	29.5	−13	13.6	9.0
347	−12°	2050	7	29.9	−12	44.3	9.0
348	−12°	2018	7	25.9	−12	34.2	8.9
349	−12°	2062	7	30.9	−12	26.1	9.1
350	−12°	2060	7	30.9	−12	37.5	9.0
351	−12°	2058	7	30.8	−12	59.0	8.9
352	−12°	2066	7	31.4	−12	59.0	9.0
353	−13°	2129	7	30.4	−13	6.5	9.7

Identified on cards by M.A.H. Oct. 4, 1916
Identified in book by A.M.C. Oct. 4, 1916
Identification compared by G.R.S. Oct. 4, 1916

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1916phae.proj.2216c

Thursday, Octo. 5, 1916

B 1828 9 Re-reduce

✓ 210 a3 Star enf. makes it look comp
✓ 379 a Perhaps B8
✓ 428. Go

B 3 8 4 1 4 Re-reduce

✓ 390 a2

B 2 4 5 8 9 Re-reduce

✓ 157 K5

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1916phae.proj.22166

October 5, 1916

B20858' Re-exam

- 96 G0

B24598 Re-exam

- 229 A2
- 238 G5
- 281 G5

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1916phae.proj.2216c

Friday, Oct. 7, 1916

B 24 589 cont. from 59, 46

No	Fil	Class	Remark
501	3	a_2	
502	2	K_0	
503	1	K_0	
504	5	a_0	
505	4	a_0	
506	3	a_5	
507	2	K_0	
508	3	a_5	
509	3	F_8	
510	4	g_0	
511	3	K_0	
512	5	F_5	
513	5	F_8	
514	2	a_0	
515	1	K_2	
516	3	F_8	
517	3	a_3	
518	2	F	Partly sup. on 517
519	3	K_0	
520	4	a_2	
521	5	a_0	
522	3	K_5	
523	3	g	E
524	2	g_0	
525	2	g_0	
526	4	a_0	

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1916phae.proj.22166

	501	-54°	1208	7	9.1	-54	4	8.8 ✓
	502	-53°	1276	7	9.2	-53	0	9.1 ✓ -58° 1275 9.6 Super.
	503	-53°	1266	7	8.0	-53	4	9.4 ✓
✓	504	-53°	1260	7	7.2	-53	19	8.2 25 on B10697
✓	505	-53°	1258	7	6.5	-53	20	8.3 24 " "
✓	506	-53°	1256	7	6.0	-53	42	8.6 34 " "
	507	-52°	1097	7	7.4	-52	46	9.0 ✓
	508	-52°	1092	7	6.5	-52	88	8.6 ✓
	509	-52°	1090	7	6.0	-52	28	8.8 ✓
✓	510	-52°	1089	7	6.0	-52	10	8.6 392 on B38414
	511	-51°	2325	7	5.8	-51	37	8.8 ✓
	512	-51°	2323	7	8.9	-51	49	9.0 ✓
	513	-51°	2322	7	8.6	-51	5	8.6 ✓
	514	-50°	2613	7	7.0	-50	46	9.6 ✓
	515	-51°	2321 2	7	5.6 7	-51	36	9.5 ✓
	516	-51°	2316	7	5.1	-51	46	9.2 ✓
✓	517	-51°	2305	7	4.1	-51	26	9.3 23 on B10697
	518	-51°	2308	7	4.0	-51	27	9.4 ✓
	519	-51°	2300	7	3.7	-51	6	8.7 ✓
✓	520	-52°	1081	7	4.0	-52	17	8.4 19 on B10697
✓	521	-52°	1079	7	3.7	-52	25	8.2 20 " "
✓	522	-52°	1074	7	2.5	-52	25	8.8 21 " "
	523	-51°	2287	7	2.5	-51	12	9.0 ✓
	524	-52°	1075	7	2.8	-52	22	9.0 ✓
✓	525	-53°	1454	7	48.6	-53	2	8.9 356 on B24598
✓	526	-53°	1457	7	48.8	-53	0	8.6 355a " "

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1916phae.proj.2216c

Saturday, October 8, 1916
B 24589 cont.

527 H ao
528 {5 a
529 { a

VIII, *.

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1916phae.proj.2216C

✓ 527	−53°	1460 7	49.5	−53	40	8.6 354 on B24598
✓ 528	−51°	2741 7	49.4	−51	14.0	8.0
✓ 529		2742 7	49.4	−51	15.1	8.0

Ident. on cards by m a. H. Oct. 12, 1916
Stars not ident. on B10697, B24598 + B38414 identified here. Oct. 13 1916 DW

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1916phae.proj.2216c

Monday Oct. 9, 1916

B 15576 Rumker

11 G5 Sub. 2

11a G5 " 1

B 15223 Rumker

V 96 Ao

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1916phae.proj.2216c

Monday Nov. 27, 1916
2 plates (with from Bk. 13)

C 2847 +32° 3267

Go

C 1369 η Lyrae

B3 Lewis Boss

C 2835 γ Cygni

A0

C 2316 +45° 2949

F0

C 6356 Nicholson χ Cygni

Hγ = 10, Hδ = 20, Hβ = 3, Hγ = 2

Hη = 1 Hθ = 1 3906 = 1.

Sp. Nicholson.

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1916phae.proj.2216C

Nov. 27, 1916

C 6354

17 Cygni

Fls

C 1.446 58 Aquilae

Ao

C 3089 ε Draconis

Ma

C 5887 +2.50465

B3

C 794 ν Cap.

Ao

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1916phae.proj.2216c

June 27, 1916

C 6174 +15°4220

B.2 Lines very broad

C 2742 +38°4321

K0

C 2953 11 Cygni

K0

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1916phae.proj.2216C

Tuesday, Dec 5, 1916

C 780 2 Pegasi
Ma

C 1592 W Gemi
Ma

C 1592 +44° 3589
A3

C 1525 +58° 2314
K2

C 1525 μ Cephei
Ma

C 2808 +56° 2727
F8

C 2808 ε Cephei
F0

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1916phae.proj.2216C

Dec. 5, 1916

C2808 +58°2746
Ko

C0015 ε Lacertæ
B8p
Like β Ominin

C2472 9 Lacertæ
A5

C1370 ξ Peg
F5

C2481 2 Andr
Ar

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1916phae.proj.2216C

Dec. 5, 1916

C 1668

+58° 2629

B3

C1668 1 Cass

B1

C1668 +58° 2546

B3

C1668 2 Cass

Q3

C2923 7 Andr

f10

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1916phae.proj.2216c

Dec. 5, 1916

1 C2207 R Cam.

Hγ=10 Hδ=40 Hϵ=2 Hη=1
Hθ=1 Hι=1

Sp. Mc.

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1910phae.proj.22166

Wednesday, Dec. 6, 1916

c 478 Pd Cyg.

Ko.

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1916phae.proj.2216C

Tuesday, Jan 2, 1917

I 14649

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1910phae..proj..22166

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1916phae.proj.2216c

Wednesday January 3, 1917

Cont from Pl 52,76 δ 37652 long

348 4 K2

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1916phae.proj.2216C

348 +8° 1568 6 48.3 + 8 55 7.5

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1916phae.proj.2216c

Friday, Jan. 5, 1917

B11224 lmf

1 7 95
2 3 A5

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1910phae.proj.2216c

✓ 1	−9°	3413	11	53.3	−9	37	6.4	17 m	B13×19
✓ 2	−9	3381	11	44.0	−9	10	8.5	3 m	B13×19

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1916phae.proj.2216c

Jan. 5, 1916

B 43201 Lang

	No.	Int.	Class	
	1	6	Bo	
✓	2	6	B5	
✓	3	3	Md	Hγ=10 Hδ=10 Sp Mb
✓	4	8	A2	
✓	5	4	B	Perhaps O e's. Almost cont.
✓	6	3	B	Almost cont.
✓	7	9	B8	
✓	8	7	Bq	
✓	9	6	A3	
✓	10	3	B8	
✓	11	4	K2	
✓	12	9	A2	
✓	13	7	Bo	
✓	14	8	B5	
✓	15	6	Ao	
✓	16	4	Bq	
✓	17	7	B3	
✓	18	9	Bq	
✓	19	3	Bp	
✓	20	7	F5	
✓	21	4	Ao	
✓	22	10	Ao	
✓	23	5	Bq	
✓	24	2	Bq	Partly nebs. on 23
✓	25	3	B5	
✓	26	3	Os	

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1910phae.proj.22166

1	-59°	5395	13	57.6	-59	7	7.1	601 m	137617
2	-58°	5383	14	0.1	-58	41	7.0		✓
3	-59°	5476	14	7.6	-59	20	8.9		✓
4	-66°	5294	~~13~~ 14	10.7	-66	42	6.3		✓
5	-61°	4831	~~13~~ 14	5.9	-61	7	7.8		✓
6	-57°	6616	14	13.1	-57	43	7.4		✓
7	-56°	6206	14	6.3	-56	30	5.4		✓
8	-54°	5933	14	5.2	-54	2	7.2		✓
9	-54°	5887	18	57.4	-54	4	7.2		✓
10	-55°	5829	13	52.9	-55	37	8.0		✓
11	-55°	5846	13	55.0	-55	36	7.2		✓
12	-53°	5805	13	48.1	-53	31	6.9		✓
13	-54°	5806	13	48.3	-54	3	7.4		✓
14	-52°	6805	13	45.6	-52	45	6.7		✓
15	-54°	5725	13	38.2	-54	3	7.0		✓
16	-55°	5733	13	39.8	-55	20	7.6		✓
17	-56°	5891	13	34.8	-56	8	6.8		✓
18	-58°	5059	13	33.7	-58	9	6.6		✓
19	-61°	3987	13	37.6	-61	49	7.6		✓
20	-61°	3841	13	28.7	-61	3	7.1		✓
21	-54°	5680	13	30.9	-54	23	7.8		✓
22	-53°	5725	13	33.7	-53	56	6.1		✓
23	-58°	5092	13	35.6	-58	36	7.4		✓
24	-58°	5094	13	35.7	-58	36	8.4		✓
25	~~-59°~~ -59°	~~5178~~ 5192	~~13~~ 13	~~38.3~~ 39.4	~~-59~~ -59	~~28~~ 15	~~9.0~~ 7.8		✓
26	~~-59°~~ -58°	~~5192~~ 5185	~~13~~ 13	~~39.4~~ 40.2	~~-59~~ -58	~~15~~ 52	~~7.8~~ 7.9		✓

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1916phae.proj.2216C

January 5, 1917

B43201 long.

	No.	Int	class	
✓	27	3	B_0	
✓	28	3	B	almost cont.
✓	29	4	B_9	
✓	30	2	B	
	31			
	32	6	A_0	
	33	5	B_9	

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1910phae.proj.22166

27	-59°	5225	13	41.9	-59	8	8.0
	~~-59°~~	~~5208~~	~~13~~	~~40.9~~	~~-59~~	~~18~~	~~8.8~~
28	-58°	5282	13	47.3	-58	45	8.0
29	-60	5071	13	46.0	-60	43	7.9
30	-60°	5056	13	44.4	-60	44	8.2

Identif. on cards by A.M.C. Feb 14, 1917

Identified here Feb. 22 1917

Identification confirmed by S.R.B. Feb. 23, 1917

32	-58	5549	14	19.6	-58	38	6.8	163 in B18809
33	-58°	5464	14	10.0	-58	6	7.6	

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1916phae.proj.2216c

Saturday, Jan. 6, 1917

B 3 6 1 2 1 long

1	6	K0
2	4	G5
3	5	B8
4	4	B9

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1910phae.proj.22166

1	-67	2864	15	14.1	-67	52	7.5	456 on B218-24
2	-66	2753	15	8.6	-66	2	8.0	177 " "
3	-67	2885	15	18.3	-67	3	7.2	420 " "
4	-65°	3076	15	20.0	-65	30	7.0	397 " "

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1916phae.proj.2216C

Jan. 6, 1917

B 43980 Lmf

	1	5	B8
✓	2	4	A0
	3	6	B9
✓	4	8	B5

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1916phae.proj.22166

1	−32	10868	15	24.0	−32	27	6.7	12 m B K 0 > 01
2	−32°	10898	15	26.3	−32	45	7.0 v	
3	−32	10930	15	28.3	−32	40	6.6	16 m B K 0 > 01
4	−36°	10161	15	19.3	−36	20	6.0 v	

Nos 2 + 4 Identr on cards by G.M.C. Feb. 14, 1917
" " " " in book "M.a.H." " 17, 1917
" " " " compared by G.R.B. " 19, 1917

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1916phae.proj.2216C

Jan. 8, 1917

D 3894 cont. from 128, 90

114	1	K5	
115	2	A	Partly disp. on 114
116	2	G	" " " "
117	2	A0	(near 83)
118	5	F2	
119	1	A	
120	6	B3	
121	2	F8	
122	2	A0	
123	4	F5	
124	1	K5	
125	1	A	
126	2	G5	
127	2	G5	
128	1	K	
129	1	A	
130	2	A2	
131	2	A	E
132	2	A	E
133	4	K5	
134	3	A0	E
135	4	F0	

cont. p. 214

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1916phae.proj.2216C

114	+37°	4229	21	7.7	+37	48	7.8 ✓
115	+37°	4227	21	7.6	+37	33	9.1 ✓
116	+37°	4228	21	7.6	+37	39	8.5 ✓

Ident. on cards by M.A.H. March 23, 1917
Ident. in book by J.B.M. March 23, 1917.
Ident. compared by G.R.B. March 24, 1917

117	+41°	3928	20	49.6	+41	15	8.7
	~~+37°~~	~~H192~~	~~21~~	~~2.7~~	~~+37~~	~~54~~	~~9.0~~ ✓
118	+37°	H189	21	2.4	+37	56	7.9 ✓
119	+37	H192	21	2.7	+37	54	9.0 ✓
120	+37°	4235	21	8.3	+37	10	7.3 ✓
121	+36°	4437	21	4.1	+36	24	8.7 ✓
122	+35°	H396	21	0.3	+35	50	9.0 ✓
123	+33°	H125	20	56.4	+33	10	7.5 ✓
124	+37°	H2~~3~~4 5	21	10.0	+37	52	8.5 ✓
125	+37°	H2~~3~~4 4	21	10.0	+37	44	9.1 ✓
126	+37°	H274	21	14.1	+37	32	9.1 ✓
127	+38°	4457	21	14.8	+38	15	9.0 ✓
128	+38°	4464	21	15.4	+38	19	8.8 ✓
129	+37°	H283	21	16.6	+37	40	9.2 ✓
130	+37°	H288	21	17.2	+37	41	8.3 ✓
131	+38°	4481	21	18.3	+38	32	8.7 ✓
132	+39°	4546	21	18.8	+39	10	8.7 ✓
133	+40°	H373	20	53.1	+40	48	7.7 ✓
134	+43°	3806	21	1.5	+43	12	8.3 ✓
✓ 135	+38	4318					

95 on D37912

Ident. on cards by M.A.H. June 25, 1917
Ident in book by A.M.C. " "
Ident. compared by G.R.B. June 25, 1917

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1916phae.proj.2216C

Jan. 8, 1917
B.7411 Eng.

1	5	Ko
2	6	Ko
3	5	Go
4	6	Go
5	6	Ao

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1916phae.proj.2216C

✓ 1	−3	5760	22	23.8	−3	39	6.3	~~qq~~ on BZ+07
~ 2	−2°	5781	22	26.6	−2	19	6.3	94 on BZ1041
~ 3	−2°	5761	22	19.6	−2	3	7.3	47 " "
~ 4	−4°	5728	22	83.2	−4	18	6.7	225 " "
~ 5	−4°	5733	22	34.6	−4	14	7.7	224 " "

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1916phae.proj.2216c

Sunday, Jan. 9, 1917
J 1937.2 Fmjap

	1	4	K5
✓	2	3	B9
✓	3	2	A5
✓	4	2	B9
✓	5	2	K2
✓	6	8	A0
✓	7	1	A
✓	8	2	A0
✓	9	2	K0
	10	2	A2
	11	2	A0
	12	2	A0
	13	8	A0
	14	1	K5
	15	2	K2
	16	2	K0
	17	3	K2
	18	1	A
	19	1	K5

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1916phae.proj.2216C

1	+18	3817	18	40.3	+18	33	6.x	6.5 m 37901
2	+17°	3697	18	36.7	+17	56	7.8	
3	+19°	3741	18	34.0	+19	35	7.7	
4	+19°	3736	18	33.6	+19	57	7.9	
5	+18°	3756	18	31.4	+18	19	7.5	
6	+18°	3740	18	28.8	+18	5	6.1	
7	+18°	3770	18	27.2	+18	22	8.5	
8	+18°	3725	18	26.4	+18	9	8.6	
9	+18°	3707	18	23.7	+18	30	7.7	

Ident. on cards by G.M.C. Feb. 14, 1917
" in book " M.A.H. " 17, 1917
" compared by G.R.B. " 19, 1917

10	+19°	3671	18	25.6	+19	47	8.2	20 on 37806
11	+19°	3675	18	26.1	+19	22	8.1	19 " "
12	+19	3790	18	41.8	+19	58	8.1	13 m 37841
13	+19	3798						15 "
14	+18	3747	18	30.5	+18	50	7.6	
15	+18	3798	18	37.8	+18	3	8.0	
16	+17	3712	18	38.7	+17	49	7.8	
17	+17	3673	18	32.8	+17	57	8.0	
18	+17	3686	18	35.2	+17	45	8.0	
19	+17	3687					7.5	

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1916phae.proj.2216c

Jan. 9, 1917

I 3G 5608 Reinmuth

✓ 222 Fo

B 40221. Reinmuth

- 74 a Perhaps BP
- 219 a Faint Perhaps BP

B 40105 Reinmuth

✓ 346 g Perhaps Fs

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1916phae.proj.2216C

Jan 9, 1917

B 13145 Rumker

- 37 Go
- 41 Go

B 40250 Rumker

136 B3 Probably B3 or B1
264 B3 Probably B2

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1916phae.proj.2216c

Wash. Jan. 10, 1917

B Δ 1367 Long

1 Δ 7 K0

2 7 K0

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1916phae.proj.2216c

v 1	−11	2565	8	2.2	−11	46	6.1	20	on B 18995
2	−13°	2808	9	10.2	−13	58	6.6	147	on B 18995.

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1916phae.proj.2216C

Thursday, Jan. 11, 1917

B13 323 ~~65~~ cont from 68, 202

✓ 69 1 F5-
✓ 70 2 A5
✓ 71 2 G0

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1910phae.proj.22166

69	-22	2722	9	41.7	-22	4	9.0	34 m B 13 145
70	-22°	2659	9	28.8	-22	33	8.7 ✓	
71	-22°	2656	9	28.7	-22	48	8.9 ✓	

70 + 71 Identd on cards by A.M.C. Feb 14, 1917
" " " in book " M.A.H. " 17, 1917
" " " compared by G.R.C.B. " 19, 1917

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1916phae.proj.2216c

Friday, Jan. 12, 1917

B 40105 cont. from 69, 18

45 4/5 3 Fz [a hr. slits o. p.]

45 5 3 Go Composite.
a

45 6 5 3/4 Go

1916phae.proj.22166

454 -58° 16439 42.2 -58 10 8.7 ✓

Identity on card by G.M.C. Feb 14, 1917

" in book " M.A.H. " 17, 1917

" compared by G.R.B. Feb. 19, 1917

✓ 455 -57° 2780 10 7.0 -57 E6 8.6 174 m B3 87 K9

✓ 456 -58 1988 10 7.9 -58 S9 8.0 4 m B3 1521

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1916phae.proj.2216c

Jan 12, 1917 69,114
B400986 cont from ~~69,130~~

129	~~194~~	2	Ao
130	~~295~~	1	Ko
	131	6	B9

cont. in Bk. 178, 212

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1916phae.proj.2216C

129	~~294~~	-6	1282	9	26.8	-6	8 8.9 (91 on Bkoz21)
130	~~295~~	-6	1281	9	26.7	-6	19 9.3 192 " "
131		-60	1422	9	21.8	-60	48 8.4 187 " "

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1916phae.proj.2216c

Jan. 12, 1917

~~C~~ 6261 Aud.

v. Comp. Bo = Ko

Ft. Ao

Q B13780 Rumpker

126 Two plates superposed. Can not separate on any plate. One probably has stronger hydrogen lines.

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1916phae.proj.2216C

Saturday, Jan. 13, 1917

B 38573 cmb. for 74, 171

126	2	Ar
✓ 127	1	F8
128	3	F8
129	3	Ko
✓ 130	2	Ma
131	3	Ao
132	2	Ao
133	4	F5
134	3	Ao

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1910phae.proj.22166

126	−49°	5129	10	12.7	−49	6	9.5	3 on B13780
127	−48°	5649	10	22.6	−48	59	9.4	
128	−48°	5652	10	22.7	−48	59	9.3	14 on B13780
129	−50°	5214	10	26.4	−50	58	8.4	128 " "
130	−45°	6045	10	19.5	−45	33	8.7	
131	−46°	6316	10	34.4	−46	4	9.4	79 on B13780
132	−45°	6312	10	36.5	−45	44	9.8	84 " "
133	−47°	6107	10	35.8	−47	23	9.0	91 " "
134	−49°	5362	10	29.1	−49	32	9.5	105 " "

Nos 127 & 130 Identd on cards by A.M.C. Feb 14, 1917
" " " in book " M.A.H. " 17, 1917
" " " compared by G.R.G. " 19, 1917

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1916phae.proj.2216c

June 13, 1917
B+2172 dmg

1 6 B2

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1910phae.proj.22166

~ 1 −57°2781 10 7.4 −57 26 6.7 172m B387kg

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1916phae.proj.2216C

Sunday, Jan. 15, 1917

B 15 5 157

1 3 g_0 a_0 Conf. sp.

2 8 Ind $\gamma = 10, \delta = 50, \xi = 4, \eta = 3 \quad \theta = 1 \quad c = 0.5$

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ioniophae.proj.22166

1 -63 1126 9 24.0 -63 8 -8.6 rm B+0221
2 -62 1253 9 29.1 -62 14 var. R Carmine

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1916phae.proj.2216c

June 15 1916

D.S. 8609 Re-examinate

137 Classified Comp. with remarks to set Short Dispersion, but not so well seen on short disp. plates.

Br = A0

Ft. = G5

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1916phae.proj.22166

Jan. 15, 1917

B 40090 Rowan

~	15	a
~	46	B
~	52	
~	55	g

B o w O e5

Traces of bright lines.

Originally classified B?

but nearly all superposed

on -58° 2987

~	90	a
~	91	g
~	117	B
~	131	Bg

B 38798 Rowan

~	109	Uncertain Perhaps a.
~	113	Probably B8

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1916phae.proj.2216c

Berk. Jan. 17, 1917

B38830 comb. fem. 62, 50

✓ 176	2	F8	
✓ 177	2	K2	
✓ 178	3	F0	
✓ 179	1	A0	
✓ 180	2	F5	
✓ 181	1	A0	
✓ 182	2	A	Lines very wide. Double? not on chart pl. B22810
✓ 183	2	A2	
✓ 184	2	A3	
✓ 185	2	A0	
✓ 186	1	A0	
✓ 187	1	F2	
✓ 188	2	A0	
188a	2	G0	
✓ 189	2	A0	
✓ 190	2	B9	
✓ 191	2	A0	
✓ 192	1	A0	
✓ 193	2	A0	
✓ 194	3	A0	
✓ 195	1	K2	
✓ 196	2	G0	
✓ 197	1	K5	
✓ 198	1	G0	
✓ 199	6	A3	
✓ 200	3	K0	

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1916phae.proj.22166

176	−64°	1273	10	20.4	−64	36	8.7	✓
177	−64°	1268	10	20.2	−64	11	8.8	✓
178	−64°	1290	10	22.4	−64	13	8.6	✓
179	−64°	1306	10	24.0	−64	5	9.0	✓
	−63°	1429	10	24.6	−63	57	9.0	
180	~~−64°~~	~~1310~~	10	~~24.0~~	~~−64~~	~~32~~	~~8.6~~	✓
181	−63°	1462	10	27.2	−63	45	9.0	✓
182	−65°	1346	10	22.7	−65	8	8.8	✓
183	−65°	1360	10	24.4	−65	3	8.9	✓
184	−65°	1365	10	25.4	−65	14	8.8	✓
185	−65°	1417	10	30.7	−65	10	9.0	✓
186	−64°	1366	10	32.8	−64	51	9.2	✓
187	−64°	1370	10	33.3	−64	43	9.0	✓
188	−63°	1492	10	29.7	−63	15	8.9	✓
188a	−64	1353	10	30.7	−64	15	9.0	✓
189	−63°	1499	10	30.2	−63	4	9.0	✓
190	−63°	1509	10	31.0	−63	20	8.8	✓
191	−63°	1511	10	31.3	−63	4	8.8	✓
192	−62°	1659	10	31.9	−62	34	9.1	✓
193	−61°	1764	10	34.2	−61	54	9.2	✓
194	−61°	1790	10	36.5	−61	45	9.2	✓
195	−63°	1578	10	37.0	−63	8	9.0	✓
196	−63°	1637	10	41.0	−63	34	9.0	✓
197	−63°	1641	10	41.6	−63	28	9.2	✓
198	−62°	1759	10	43.6	−62	38	9.2	✓ Double on chart plate B2535b
199	−62°	1794	10	48.2	−62	25	7.9	✓
200	−61°	1923	10	46.6	−62	42	9.1	✓

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1916phae.proj.2216c

Wednesday January 17. 1917

B38834 Short

✓ 201	1		One bright line
✓ 202	2	Ao	(The middle of three stars)
✓ 203	4	B5	
✓ 204	+1	A	
✓ 205	1	Go	
~~206~~			
~~207~~			
206	3	Ma	

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1916phae.proj.22166

201 Rough approx 1875 pub. 10 46.5 -61 28

202 -61° 19H09 10 W5.6 -61 33 8.8 ✓

203 -61° 1969 10 51.3 -61 2 8.3 ✓

204 -63° 17H1 10 W9.4 -62 57 9.0 ✓

205 ~63H0 1523 10 W8.7 -64 8 9.0 ✓

Identif. for cards by A.M.C. Feb. 14, 1917

Identified here Feb. 20 1917 H.D.W.

Identification compared by E.R.B. Feb. 21, 1917

206 ~~-59~~ 2775 10 45.5 -59 19 9.0 185-m M×0090

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1916phae.proj.2216C

Jan. 17, 1917

B 21 54 Re - 11 a

✓	45	Oe5	Emi. 4200 cen
✓	101		Perhaps Oe5
✓	176		Bo + Oe5
✓	180		Perhaps Bo
✓	213	B2	
✓	223		Bo + Oe5
✓	246	B	Emi band cen
✓	249	B1	
✓	245		Nearly cont. Bo + Oe5

B 38 34 Re - 11 cen

✓	45	A	Probably Ao
✓	91	Ao	
✓	157		Probably Bo

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1916phae.proj.2216C

Thursday, Jan. 18, 1917

B 40075 Re. Ryan

19 Perhaps Composite. F & G.

B 40297 Re. Ryan

53 {a a

B 38828 Re. Ryan

252 Bo

260 Bz

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1916phae.proj.2216C

Friday, Jan. 19, 1917
D 9655

1 8 · B8

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1916phae.proj..2216C

✓ 1 +9 5328 3 53.9 +9 35 58.8 90 m13375Z

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1916phae.proj.2216C

Jan. 19, 1917

B 3 8749 cont from 61, 110.

269	6	B
270	3	Anb
271	1	Ana
272	3	As

B38749 Remarks

✓ 174 Probably composite. Not double on check plate w in Dunsen.
Stappears like a star of Class A2 with region between Hβ and Hγ like a Groo K star.
Enter A2 f with remarks.

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1916phae.proj.2216c

269 - 57°	~~3484~~ 3508	10	~~30.9~~ 31.0	- 57	~~3~~ 5	7.~~4~~ 3	Vol 28, 2
270 - 57	3168	10	10.6	- 55	2	8.8	1 on B 40250
271 - 55	3132	10	11.2	- 55	3	9.2	~
~ 272 - 58	2817	10	47.6	- 58	45	8.7	146 on B 21154

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1916phae.proj.2216C

Jan. 19, 1917
B15319 cont. from 75, 24

109 1 K_2
110 1 K_5

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1916phae.proj.2216C

109	~~-40 4577~~ 396464	10	27.0	-40	0	9.0	38 cm B&A 1389
110	-40 6094	10	27.9^{6}	-40	8	8.7	37 " "

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1916phae.proj.2216C

Jan. 19, 1917
B4969

1 6 Ho

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1916phae.proj.2216C

1 1 -48 6157 10 59.5 -48 43 6.4 1 from B30416

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1916phae.proj.2216c

Saturday, Jan. 20 1916

Spectra of R Sagittae & V Vulpeculae looked up for Dr. Van der Bilt

200916

R Sagittae fairly Cont: in Vol. 55.
Given G in yesr Ver. Cat. Copy.
I 16309 Faint G.

V Vulpeculae on I 38809 in H.D.C.

I 16463 G5 fairly good spectrum
H & K well seen

V Vulpeculae 20.3226
I 36781
Faint and very hazy.
Hγ, Hδ, Hε seem Red
and slightly stronger than violet
May be A.

I 32239
V is near edge but
it looks like a G5 plate.
Have this taken with 10-inch.

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1916phae.proj.2216c

Jan. 20, 1917

R V Tauri

I 20040 Pec spectrum but certainly appears like K5—

I 32756 Too poor.

I 36507 " "

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1916phae.proj.2216C

Saturday January 20, 1917

B 17034 Count from Bl. 91, 100

No.	Dut.	Class	Remark
✓ 201	2	B0	Hβ bright ?
✓ 202	3	A0	
✓ 203	10	K	
✓ 204	5	K0	Partly superposed on 203.
✓ 205	2	A0	
✓ 206	2	F8	
✓ 207	2	G5	
✓ 208	2	B	
✓ 209	3	F0	
✓ 210	3	A5	
✓ 211	2	G0	
✓ 212	2	B9	
✓ 213	10+	Be	
214			
215			

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1916phae.proj.2216c

201	−7°	4642	18	31.2 −7	59	9.0
202	−5°	4721	18	33.1 −5	29	8.5
203	−8°	4686	18	35.6 −8	25	5.5
204	~~−8° 4688~~	4687	18	35.7 −8	31	7.5
205	−8°	4685	18	35.4 −8	59	8.9
206	−9°	4804	18	35.5 −9	11	9.0
207	−10°	4756	18	33.4 −10	32	8.3
208	−9°	4835	18	39.5 −9	28	8.9
209	−9°	4849	18	42.2 −9	1	9.0
210	−9°	4850	18	42.2 −9	5	9.0
211	−6°	4919	18	41.6 −6	19	9.2
212	−7°	4760	18	46.3 −7	14	9.4
213	−9°	4796	18	34.3 −9	11	5.0

Ident on cards by A. N. C. Jan. 20, 1917
" in book by M. A. H. " "
" compared by G. A. C. " 20, 1917

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1916phae.proj.2216c

Monday Jan. 22, 1917

B22929 Rowan

Perhaps F5

✓ 44

✓ 119 A3

B41375 Rowan

- 4 K5

- 6 K5

- 38 A5

B41327 Rowan

✓ 32

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1916phae.proj.2216c

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1916phae.proj.2216C

Tuesday Jan 23, 1917

B 3994 ent. Jan 77. 30.

109	3	Go
110	5	Go
111	5	Go

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1916phae.proj.2216c

✓	109	−19	3278	11	23.4	−19	8	9.2	10 m	B 41225
✓	110	−16	3258	11	22.0	−16	33	8.8	69	" "
✓	111	−16	3259	11	22.0	−16	34	8.8		

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1916phae.proj.2216c

Jany 23, 1917
9 143, 5 Lmg

18 ao

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1910phae.proj.2216c

1 −1° 2074 8 26.7 − 1 39 6.5 33 on 837654

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1916phae.proj.2216C

Wed. Jan. 24, 1917

B13378 cont. from 78, 80

24	3	F5
25	2	F8
26	4	F10
27	2	G0
28	1	Ma

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1916phae.proj.22166

-	24	+4°	2330	10	18.8	+4	47	9.0	66 m B1339
-	25	+3	2387	10	26.4	+3	44	8.5	73 " "
-	26	+4	2377	10	37.1	+4	48	8.7	86 " "
-	27	+0	2673	10	27.8	+0	23	8.8	103 " B1939
-	28	+0°	2671	10	27.5	+0	23	9.3	S Leptauk.

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1916phae.proj.2216C

Wed.
~~Wed.~~ Jan 24, 1917
B13 B94 cont. from 78, 78

✓ 90	2	K5
✓ 91	1	K2
✓ 92	3	K2
✓ 93	2	G0
✓ 94	2	F5
✓ 95	2	G0
✓ 96	1	G

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1916phae.proj.22166

90	+8°	2416	10	40.7	+8	22	9.0
91	+8°	2414	10	40.2	+8	20	9.1
92	+8°	2412	10	38.5	+8	44	9.0
93	+10°	2204	10	39.6	+10	1	9.0
94	+9°	2406	10	39.4	+9	44	9.1
95	+10°	2195	10	36.8	+10	8	9.2
96	+10°	2183	10	33.3	+10	1	9.2

Ident. on cards by A.M.C. Feb 14, 1917

Identified here March 6 1917 H.D.N.

Identification compared by G.R.B. March 7, 1916

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1916phae.proj.2216c

Jan. 24, 1917

D 37724 cont. from 38, 192

135 2 Go

136 2 Go

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1916phae.proj..22166

135	+16	2057	10	1.7	+16	4	8.5	18 cm	J37571
136	+17	2181	10	4.4	+17	3	8.9	24 "	"

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1916phae.proj.2216C

Thursday, Jan. 25, 1917

δ 38 3 08 cmb fm 70, 10

✓ 115	1	K5
✓ 116	1	~~H~~ G0
✓ 117	1	G0
118	2	G0
119	2	G0
120	3	A5
121	7	A5
~~12~~ (11)	4	K0

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1916phae.proj.22166

115	+28°	1961	10	54.3	+28	38	8.3 ✓
116	+26°	2166	10	52.6	+26	6	8.7 ✓
117	+27°	1965	10	52.8	+27	6	8.9 ✓
✓ 118	+21°	2230	10	36.8	+ 21	28	8.5 16H on 237504
✓ 119	+24°	2280	10	43.3	+ 24	17	8.8 183 " "
✓ 120	+24°	2285	10	47.0	+ 24	31	8.5 185 " "

Nos 115, 116, + 117 Identon cards by A.M.C. Feb. 14, 1917
" " " " in book by M.A.H. " 17, 1917
" " " " compared by G.R.B. " 19, 1917

121	+24	2279	10	42.8	+24	11	6.8 182 on 237504
122	+22	2291	10	49.4	+24	55	7.7 194 " "

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1916phae.proj.2216C

Jan. 25, 1917

I 3655 71 Re-reduction

16 G5
72 G5
79 K2
119 K0
133 K0

I 38208 Re-reduction

45 G0

I 37582 Re-reduction

10 G0
103 G5
144 G0

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1916phae.proj.2216C

Jan. 25, 1917

D 37724 Runaway

Perhaps F5

- 93
- 113 G5
- 115 K2

B 13417 Runaway

✓38 G0

D 38229 Runaway

✓27 G5
✓38 G0

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1916phae.proj.2216C

Saturday, Jan. 27, 1917

D 35672 estab from 82, 54

25	1	K5	
26	1	K5	Star unsuspected
27	1	K	Star susp. 1 ab N.
28	2	K2	
29	2	F5	
30	6	G0	H 5 strong.
31	6	K2	
32	4	K5	
33	6	F8	
34	3	K0	
35	2	G5	
36	3	K0	

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1916phae.proj.22166

25	+52° 1573	10	41.5	+52	1	8.4	6 m	J37717
26	+52 1522	10	46.3	+52	54	7.8	15	" "
27	+53 1445	10	48.3	+53	10	8.5	17	" "
28	+52 1537	10	49.4	+52	15	7.8	22	" "
29	+53 1483	10	51.2	+53	2	8.4	20	" "
30	+49 1961	10	19.1	+49	33	6.2	108 m	J38291
31	+51 1632	10	43.5	+51	2	6.2	4 m	J37717
32	+49 1968						25 m	J38665
33	+49 1966						26 "	"
34	+50° 1763						12 m	J38308
35	+50 1765						13 "	"
36	+49 1986						11 m	"

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1916phae.proj.2216c

Jan. 27, 1916

I 37716 cont. from 43, 18

116	3	F8
117	2	F0
118	6	K2
119	2	K5
120	2	K0
121	1	G0
122	4	K2
123	3	K0
124	6	A2
125	1	A5
126	2	G5
127	9	B9
128	7	Ma
129	5	G5
130	5	G0
131	3	K5

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1916phae.proj.22160

✓ 116	+58°	1265	10	27.6	+58	H	8.5	115 on 137 17
✓ 117	+57°	1292	10	41.1	+57	19	9.0	123 " "
✓ 118	+59°	1338	10	50.9	+59	42	7.0	130 " "
✓ 119	+58°	1296	10	54.5	+58	12	8.6	131 " "
✓ 120	+56°	1503	11	0.7	+56	30	8.4	80 " "
✓ 121	+55°	1443	10	59.6	+55	56	8.8	81 " "
✓ 122	+59°	1360	11	7.1	+59	0	7.5	140 " "
✓ 123	+59°	1367	11	10.7	+59	40	7.8	141 " "
✓ 124	+59°	1368	11	12.0	+59	34	7.8	142 " "
125	+59°	1370	11	13.3	+59	12.5	9.0 ✓	
126	+59°	1352	11	~~2~~ 2.0	+59	41	8.8 ✓	

Nos. 125 + 126 Identt. on cards by A.M.C. Feb. 14, 1917
" " " in book "M.A.H." 17, 1917
" " " compared by C.R.B. " 19, 1917

✓ 127	+57	1288	10	34.6	+57	37	5.8	118 m 137 17
✓ 128	+58	1287	10	37.3	+58	7	6.3	120 " "
✓ 129	+57	1357	11	0.3	+60	0	7.3	137 " "
✓ 130	+57	1353	11	3.1	+57	42	7.0	138 " "
✓ 131	+57	1327	11	23.3	+57	37	7.2	99 m "

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1916phae.proj.2216c

Jan. 27, 1917.

Beebe Emy.

1	5	G5
2	6	A2
3	5	A0
4	6	F5
5	6	A3
6	3	K0
7	7	A3
8	9	K0
9	5	B5

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1910phae.proj.22166

✓	1	−7	4670	18	34.8	−7	12	6.2	126	on B17033
✓	2	−6°	H913	18	H0.9	−6	1.0	7.2	37	" "
✓	3	−8°	H701	18	38.7	−8	16	7.0	104	" "
✓	4	−6°	H859	18	36.1	−6	57	6.0	119	" "
✓	5	−9°	H876	18	H5.1	−9	45	6.6	239	" B38080
✓	6	−6°	H922	18	H1.9	−6	4	6.8	298	" B38111
✓	7	−3°	H392	18	H3.8	−3	29	6.5	242	" "
−	8	−5°	K840	18	5.39	−5	56	4.7	One nyellar.	
−	9	−10	K926						29 on B10078	

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1916phae.proj.2216c

Monday January 29, 1917

B 2469 long

No.	Dur.	Class
1	5	Ao
2	4	A2

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1910phae.proj.22166

1	−8°	2452	8	34.0	−8 32	6.5	155 on B19,136
✓ 2	−9	2630					203 on B1 2015

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1916phae.proj.2216c

Jan. 29, 1917
3h 28m

1	1	K0
2	3	A0
3	8	F0
4	3	F5
5	2	G0
6	2	G0
7	2	F8
8	2	G0
9	2	A5
10	5	A2
11	2	G5
12	1	K0
13	9	A0
14	2	G5
15	2	K0
16	1	K0
17	3	A2
18	2	K5
19	1	F2
20	4	G0
21	1	F0
22	7	A5
23	3	G0

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1016phao.proj.22166

✓	1	+62°	1178	11	18.2	+62	10	8.5	98 on 37716
✓	2	+63°	959	11	17.7	+63	17	8.5	96 " "
✓	3	+62°	1183	11	20.8	+62	34	6.4	97 " "
✓	4	+64°	846	11	17.6	+64	37	8.7	111 " "
✓	5	+63°	966	11	23.6	+63	18	8.9	109 " "
✓	6	+64°	855	11	26.4	+64	26	8.3	112 " 37718
✓	7	+65°	838	11	27.2	+65	7	8.8	114 " "
✓	8	+64°	858	11	31.3	+64	52	8.8	117 " "
✓	9	+63°	976	11	34.7	+63	23	8.8	125 " "
✓	10	+63°	982	11	45.3	+63	34	7.8	127 " "
✓	11	+61°	1249	11	26.7	+61	29	8.9	51 " "
✓	12	+62°	1192	11	30.2	+62	26	8.8	57 " "
✓	13	+58°	1331	11	32.5	+58	46	6.3	6 " "
✓	14	+66°	703	11	1.9	+66	50	8.5	19 " 37554
✓	15	+66°	708	11	4.6	+66	30	7.9	16 " "
✓	16	+67°	704	11	24.0	+67	6	8.3	11 " "
✓	17	+67°	713	11	34.3	+67	54	8.4	37 " "
✓	18	+67°	717	11	35.5	+67	40	8.5	35 " "
✓	19	+66	706	11	2.6	+66	54	9.2	
	20	+64	814	10	44.1	+64	19	8.3	43 on 37746
	21	+67	673	10	44.0	+67	36	8.6	33 " "
	22	+60	1330	11	23.1	+60	30	6.8	58 " 37716
✓	23	+65	848	11	36.0	+65	46	8.0	4 on 37554

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1916phae.proj.2216c

Jan. 29, 1917

D37716 Re. nam

✓ 11 K5
✓ 30 K5
✓ 38 G5
✓ 55 G5

D37718 Re. nam

✓ 26 G5
✓ 62 G5

D37717 Re. nam

✓ 104 F5
✓ 107 K2

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1916phae.proj.22166

Jan. 29, 1917

I 34465 Re. repeat

- 32 G0
- 83 #K0

I 37346 Re. repeat

- 23 K2
- 41 F
- 47 G5

Perhaps A5. K lines indistinct

I 37534 Re. repeat

- 10 G5
- 70 G0
- 72 K2
- 97 G0
- 98 F0

I 37714 Re. repeat

- 108 G0
- 115 G0

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1916phae.proj.2216C

Tuesday Jan. 30, 1917

B 5 8 9 9 Long

1 6 Ao

2 3 Bq

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1916phae.proj.2216C

✓	1	−69°	946	8	38.6	−69	56	5.5	377 on B21452
	2	−67°	1018	8	57.4	−67	39	7.0	231 " "

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1916phae.proj.2216c

Jan. 30, 1917

D 38648 cont. from 79, 132

28 ~~30~~	5	G0
29	2	G0
30	2	K0
31	2	G0
32	1	G5
33	3	F8
34	4	A5
35	6	F5
36	5	K5
37	8	B9
38	7	G5

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1916phae.proj.2216c

28	+45°	1903	11	7.0	+45	51	7.5	73	m	237726
29	+46°	1709	11	7.6	+46	15	8.8	74	"	"
30	+46°	1707	11	7.5	+46	39	8.5	75	"	"
31	+47°	1853	11	4.6	+47	28	8.4	131	"	"
32	+47°	1854	11	5.1	+47	45	8.9	132	"	"
33	+50°	1820	11	17.2	+50	10	7.8	160	"	"
34	+49	2012	16	54.9	+49	36	7.5	25	m	238308
35	+48	1919	11	2.2	+48	35	7.1	128	m	237726
36	+49	2050	11	16.5	+49	42	7.2	158	"	"
37	+49	2061	11	22.5	+49	44	7.0	150	"	"
38	+49	2062	11	23.2	+49	31	6.5	151	"	"

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1916phae.proj.2216C

Wed. Jan. 31, 1917

B13033 cont. from 66, 167

53 } S Go smoking
54 } G

1916phae.proj.2216C

~	53	-45°7260	11	40.1	-45 33	8.7	} 17m B1900.3
~	54	-45°7259	11	40.1	-45 32	8.9	

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1916phae.proj.2216c

Jan. 31, 1917

B 21369 Emp

1. 8. As

2. 4 78

3 8 Az

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1916phae.proj..2216C

✓ 1	−32°8413	11	50.7	−32	37	6.4	83 m	B22921
2	−30 9687	12	1.2	−30	43	6.9	13 on	B40323
✓ 3	−34 7760						40 m	B22921

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1916phae.proj.2216C

Jan. 31, 1917

I3727 Re. van

✓	15	G0	
✓	30	K0	
✓	62	K0	
✓	63	G5	
✓	70	G5	
✓	79	G5	
✓	95		Faint. Perhaps nearer G than K
✓	101	F1	Normally plates
✓	111		Perhaps G5

I38291 Re. van

✓	53	G0	

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1916phae.proj.2216C

February 2, 1917
B 3841 6 ends from 74,402

No	Kk.	Class	Remark
283	2	F8	
284	2	F8	
285	2	A0	
286	2	K0	
287	3	A0	
288	3	K0	Star close A sup. at south
289	3	F5	
290	3	F0	
291	2	A5	
292	1	K2	
293	2	G0	
294	1	K2	
295	2	A3	
296	2	G0	
297	2	K0	
298	2	F8	
299	3	K0	
300	2	G0	
301	3	G0	
302	3	F8	
303	2	F8	
304	3	K5	
305	3	A0	
306	2	K0	
307	2	A5	
308	2	A0	

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1916phae.proj.22166

283	-46° 7022	II	17.9	-46	42	9.6	-46° 7023	II	17.9 -46 40 9.7 super.
284	-47° 6822	II	19.7	-47	38	9.6			
285	-48° 6511	II	21.8	-48	37	9.7			
286	-49° 6183	II	21.6	-49	21	9.5			
287	-49° 6154	II	19.8	-49	44	9.7			
288	-49° 6151	II	19.7	-49	38	9.2	-49° 6150		9.7 super.
289	-50° 5959	II	17.4	-50	31	9.8			
290	-50° 5980	II	18.4	-50	30	9.2			
291	-50° 6020	II	21.2	-50	38	9.5			
292	-49° 6182	II	21.6	-49	52	9.4			
293	-49° 6192	II	22.4	-49	50	9.5			
294	-49° 6188	II	22.1	-49	17	9.6			
295	-49° 6212	II	23.2	-49	7	9.8			
296	-49° 6217	II	23.5	-49	10	9.5			
297	-48° 6577	II	25.3	-48	59	9.4	52	on	73033
298	-48° 6582	II	25.4	-48	46	9.6	51	"	"
299	-47° 6952	II	28.3	-47	51	9.4			
300	-48° 6620	II	28.2	-48	3	9.8			
301	-46° 7157	II	26.5	-46	30	9.4			
302	-46° 7126	II	24.7	-46	51	9.2			
303	-47° 6852	II	21.8	-47	14	9.5			
304	-44° 7197	II	12.0	-44	53	8.6			
305	-45° 6792	II	7.9	-45	48	9.4			
306	-45° 6789	II	7.4	-45	48	9.2			
307	-45° 6804	II	8.5	-45	30	9.4			
308	-45° 6803	II	8.5	-45	22	9.6			

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1916phae.proj.2216C

February 2, 1917

B 38416 short

	No	Exp	Class	Remark
✓	309	3	M2	
✓	310	1	K5	
✓	311	1	K2	
✓	312	2	F0	
✓	313	1	M2	
✓	314	2	A5	
✓	315	3	F8	
✓	316	2	G0	
✓	317	2	G0	
✓	318	1	K0	
✓	319	1	K2	
✓	320	2	G5	
✓	321	1	A2	
✓	322	3	G0	
✓	323	3	K0	
	324			

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1916phae.proj.22166

309	-45° 6642	10	58.5	-45	4	8.7	✓
310	-45° 6668	10	59.9	-45	52	9.2	✓
311	-45° 6613	10	56.5	-45	44	9.5	✓
312	-45° 6610	10	56.3	-45	46	9.8	✓
313	-46° 6698	10	58.0	-46	36	9.7	✓
314	-46° 6674	10	57.0	-46	37	9.8	✓
315	-46° 6714	10	58.8	-46	54	9.2	✓
316	-47° 6364	10	54.3	-47	59	9.2	✓
317	-48° 6074	10	52.6	-48	14	9.4	✓
318	-48° 6079	10	54.4	-48	26	9.4	✓
319	-47° 6403	10	53.3	-47	52	9.4	✓
320	-47° 6392	10	54.7	-47	48	9.3	✓
321	-47° 6406	10	55.6	-47	21	9.8	✓
322	-47° 6347	10	51.8	-47	24	9.7	✓
323	-49° 5647	10	49.0	-49	8	8.8	✓

Identification on cards by A.M.C. Feb. 15, 1917

Identified here Feb. 19 1917 L.D.W.

Identification compared by G.R.B. Feb. 20, 1916

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1916phae.proj.2216c

Monday Feb. 5, 1917

B1855.1 Lang.

1	Fo	
2	Fo	7
3	Ag	6
4	Ro	6
5	As	6

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1916phae.proj.22166

1	−3	3262	12	10.7	−3	9	7.5	4 on B21837
2	−3	3263	12	10.7	−3	8	6.8	4 on B21837
3	−6	3518	12	3.0	−6	58	6.4	4 on B41227
4	−4	3286	12	24.2	−4	15	6.3	80 on B18233
5	−4°	3285	12	6.8	−4	55	6.9	13 " B21837

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Feb. 5, 1917
B 36140 Lmg

1 7 F_2
2 7 F_0

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1916phae.proj.2216C

✓ 1	−18	3442	12	34.2	−18	58	6.2 108m B.1898.7
✓ 2	−17	3668	12	31.2	−17	27	6.0 " " "

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Feb. 5, 1917
B 3503, 3 lmg

1 8 Ao

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1916phae.proj.22166

✓ .1 −10° 3570 12 46.8 −10 52 6.0 54 on B 1903 2

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1916phae.proj.2216C

Feb. 5, 1917

B 1959 Reese

55 Excellent F5; nit: originally made 10 t but not very dense & can suspend any plate to good. Change to 10

71 Same remark applies as to excellence of spectrum. Change intensity to 10

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1916phae.proj.2216c

Feb. 5, 1917

B 1939 - cmt. fin 82, 20K

27	4	G0
28	1	G0
29	2	G0
30	1	K2
31	2	G0
32	2	F0
33	4	F0
34	3	A5
35	3	A5
36	3	A2
37	5	A5
38	3	K2
39	5	F2
40	7	K0

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1916phae.proj.2216C

✓	27 +3°	2697	12	39.2	+ 3	58	8.7	2 on 8 37 6 12
✓	28 +3°	2709	12	46.4	+ 3	55	9.2	91 " "
✓	29 +3°	2710	12	46.7	+ 3	43	9.0	92 " "
✓	30 +3°	2712	12	47.2	+ 3	17	9.0	13 " "
✓	31 +2°	2606	12	58.8	+ 3	0	9.3	30 " "
✓	32 +4°	2691	12	58.7	+ 4	27	9.3	41 " "
✓	33 +2°	2620	12	58.1	+ 2	52	9.3	48 " "
✓	34 +3°	2733	12	57.9	+ 3	11	9.2	49 " "
✓	35 +3°	2729	12	57.0	+ 3	24	9.2	39 " "
✓	36 +3°	2728	12	56.8	+ 4	0	9.0	40 " "
✓	37 +3	2685	12	38.8	+ 3	15	7.8	1 on " "
	38 +1	2779						33 " "
	39 +1	2780						34 " "
	40 +1	2786						35 " "

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1916phae.proj.2216C

Tuesday, Feb. 6, 1917

B 41411 Reinmuth

✓ 20 B8

✓ 61 a3 All this ft. negatively degree

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Tuesday, Feb. 13, 1917

B 35759 Lmy

1	6	Bp	Hp hajeet. Hp slyitgh. Actinic cont
2	5	B3	
3	~~A8~~	~~B2p~~	
4	7	A0	
5	8	B3	
6	6	F0	
7	8	A0	

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1916phae.proj.22166

1	−62°	3270,3	(9.1	−62	0	8.1	307	m B 39228
2	−61	3825 13	27.3	−61	14	8.3	401	" "
3	−61	3987					42	m B 21696
4	−63	3053					92	" "
5	−62	3096					14	m B 36120
6	−62	3046					13	" "
7	−64	2418					17	m "

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1916phae.proj.2216c

Thursday, June 23, 1921

D 38942 (cont. from 114)

136 1 K2
137 1 F8

D 21747 Chart.

1 2 K5

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1916phae.proj.2216C

✓	136	+38 4374	21	5.2	+38	37.5	8.7
✓	137	+38 4380	21	5.6	+38	39.1	8.7

✓	1	+39°3014	16	29.4	+39	13	9.0

For Naval Ob.

9.4 Plates

1.2

10.6 Plates

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