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1976ApJ...207..226

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This book examined for additional stars by M.A.H.
March 22, 1917 through P. 214

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Wednesday October 11, 1916

B38368 cmth. fm 53, 214

162	8	G0.
163	6	F2
164	3	F5
165	4	G0
166	5	G5
167	3	F8
168	2	K5
169	4	A2
170	2	K0
171	2	F5

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1916phae.proj.22176

162	−70°	2971	22	45.9	−70	44	6.6	35 on B19867
163	−67	3980	23	39.1	−67	33	8.2	53 on B38229
164	−68	3581	23	40.5	−68	54	9.0	5 " "
165	−68	3584	23	42.7	−68	38	8.8	7 " "
166	−69	3329	23	32.4	−69	53	8.6	44 on B12082
167	−69°	3330	23	33.0	−69	53	8.8	
168	−65°	4178	23	46.3	−65	49	9.1	58 on B38229
169	−69°	3337	23	46.6	−69	2	8.7	9 " "
170	−68°	3569	23	16.8	−68	20	9.9	
171	−64°	4346	23	15.9	−64	33	8.8	

170 + 171 Identn. on cards by M.A.H. July 6, 1917

170 + 171 Identn in book. A.N.C. July 6, 1917

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1916phae.proj.2217C

4

Monday October 16, 1916

B40585 Re-exam

/ 1 F0

B20081 Re-exam

J 348 B9 Looked up on long + short plates but no better images. Perhaps Av. Albireo slaty superposed

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1916phae.proj.22176

October 16, 1916

R V Scorpii found to have variable spectrum.
Classified F5 on X
G5 on B
Re-examination shows that the hydrogen lines are stronger on X, and that the star is brighter than on B.

Confirmed on B

Neb. found Oct variable.
very bright on spectrum plate,
very faint on " "
Confirmed on Am 2044 bright
Am 656 faint.

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1916phae.proj.2217C

Wednesday October 18, 1916

B 5626 long

No.	Sub	class
1	H	Ao

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1916phae.proj.22170

1 -72° 262 3 +6.0 -72 3 6.2 26 on B17047

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1916phae.proj.2217c

October 18, 1916.

B8425 long.

1	4	Ao	
2	4	Bq	—
3	4	Bq	

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1916phae.proj.2217C

✓ 1	−59° 7071	17	24.4	−59	81	6.2	2 on B 20144
✓ 2	−61 6051	17	38.3	−61	40	6.8	22 on "
3	−56 8304	17	20.8	−56	49	7.1	Card made out

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1916phae.proj.22170

October 18, 1916

B ~~36577~~ B4941

1	5	A0
2	4	B9
3	3	B4
4	8	A0
5	4	G5
6	5	B9
7	3	B9
8	3	B8
9	3	G5
10	4	A0
11	5	B9
12	4	B9
13	3	A0
14	6	A2

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1916phae.proj.2217C

1	-46°	11747	17	31.9	-46	51	6.3	120 m	B21873
2	-43	11741	17	20.0	-43	52	6.7	91 m	B19757
3	-44	11859	17	25.0	-44	55	7.1	140 m	B21873
4	-46	11661	17	26.4	-46	25	5.5	Ann H. R. 28, Part 2.	
5	-45	11958	17	42.5	-45	34	6.6	69 m	B17085
6	-47	11976	17	50.8	-47	33	7.5	31 m	B18938
7	-45°	11652	17	24.0	-45	25	7.3	23 m	B21873
8	-46°	11632	17	24.8	-46	30	8.4	158	" "
9	-48°	11821	17	24.8	-48	26	6.3	141	" "
10	-47°	11769	17	35.4	-47	39	7.5	242	" "
11	-45°	11850	17	35.5	-45	59	7.0	338	" "
12	-45°	11825	17	34.4	-45	54	7.1	339	" "
13	-46°	11772	17	33.1	-46	14	7.7	283	" "
14	-42	12431	17	31.7	-42	40	6.5	68 m	B19911

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1916phae.proj.2217c

12

Thursday Oct. 19, 1916

B 10085 cont from 52, 6

81	4	a0
82	4	g5
83	4	B5

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1916phae.proj.2217C

~ δ1	-23	15008	1s	56.7	-23	4	6.9	105 m B23/65
~ δ2	-23	15088	1s	1.2	-23	23	7.1	120 " "
~ δ3	-24	14462						77 m B4d116

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1916phae.proj.2217C

October 19, 1916
B446 Hi long.

1	7	B1
2	4	B1
3	5	A2f
4	2	B2
5	6	B3
6	5	B0
7	7	A0
8	4	B2
9	5	B5
10	6	B8
11	3	B2
12	4	Pb
13	6	B2
14	4	B2

Lines narrow as in κ Cygni

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1916phae.proj.2217C

✓	1	-21	4855	17	58.5	-21	27	6.4	308 m	B40711
✓	2	-20	5027	18	3.3	-20	27	7.5	145 m	B2480
✓	3	-21	4866	17	59.9	-21	28	6.8	312 m	B40711
✓	4	-22	4619	18	4.7	-22	41	8.3	131	" "
✓	5	-20°	4952	17	54.0	-20	44	6.5	170	" B39280
✓	6	-22°	4474	17	50.2	-22	30	6.8	273	" B40711
✓	7	-21°	4779	17	47.6	-21	55	7.2	102	" B39280
✓	8	-22	4428	17	50.7	-22	27	7.3	272 m	B40711
✓	9	-22	4468	17	57.2	-22	32	7.5	270	" "
✓	10	-25°	12793	18	1.2	-25	29	7.2	390	" "
✓	11	-25°	12769	18	0.4	-25	22	8.5	392	" "
✓	12	-24	13806						Gas. neb.	
✓	13	-24°	13814	17	56.2	-24	22	6.1	238 m	B40711
✓	14	-24°	13816	17	54.3	-24	19	8.0	239	" "

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1916phae.proj.2217C

October 19, 1916
B 41965 Lung

1 9 As

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1916phae.proj.2217C

✓ 1 −68° 3081 18 4.6 −68 16 6.6 42m Bx1598

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1916phae.proj.2217C

October 19, 1916
B 38111 Re-reduction

✓ 27 Fo

Bo was rereduced
91,44 by Miss Stearns.
Certainly wrong either
given but incorrectly or
recorded incorrectly

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1916phae.proj.2217C

October 19, 1916

B 14593 Re-exam

-36°16047

✓ 17 F_2 K_2 was recorded in 56, 30
F_2 must have been intended
K_2 either incorrectly printed out
or recorded.

Later. Examination of Book 56, 30,
shows that nos. 17 & 18 were
confused. -36°16047 was observed
H0

B 40463 Re-exam.

✓ 34 a -60°7110 superposed,

1916phae.proj.2217C

October 19, 1916

B 41736

1	5	Ko
2	4	g5
3	5	a2

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1916phae.proj.2217C

✓	1	−2°	4641	18	22.1	−2	4	5.8	171 on B24025
✓	2	−3°	H263	18	9.3	−3	2	6.5	66 on B38110
✓	3	−4°	H415	18	5.5	−4	3	6.8	32 " "

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1916phae.proj.2217C

Saturday, October 21, 1916

B 43050 hmf

1 8 B9

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1916phae.proj.2217C

/ 1 -50°10924 16 4F.7 -50 26 6.0 3 m B41738

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1916phae.proj.2217C

Monday October 23, 1916

D 26775

β Persei somewhat faint.

K line appears slightly stronger than on several other plates examined. Confirms

1916phae.proj.2217C

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1916phae.proj.2217C

Tuesday, Oct. 24, 1916

B 5768 long

1. 6 F2

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1916phae.proj.2217C

1	-57°	606	3	56.0	-57	28	6.6	15 m	B12036

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1916phae.proj.2217c

Thursday Oct. 26, 1916

D37501 Remarks

/ 132 G0

D37575 Remarks

✓ 44 K0
✓ 66 K0
- 73 G5
- 99 F5
- 100 G0
✓ 104 G0

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1916phae.proj.2217c

October 26, 1916

D 37526 Rendsan

✓ 149 K0
✓ 157 K2
✓ 164 A0
✓ 178 K5
✓ 209 G0
✓ 259 G5
✓ 260 K0
✓ 291 A0
✓ 299 A0

✓ 23 A0
✓ 30 K0
✓ 56 G5
✓ 61 K0
✓ 66 K0
✓ 67 A0
✓ 238 K0
✓ 265 G5 +61°975 ref.

✓ 138 F Image rev from. On chart disp. F.

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1916phae.proj.2217c

Wednesday Nov. 1, 1916

For Kapteyn list.

+61° 2068 checked by M.A.H.
I 36235
K 2, poor, near edge.

+26° 4067
I 25594
Perhaps G. Too poor.

−5° 570
B 10405
Too ft. Hardly seen

+0° 3437
B 14187
Too faint. Perhaps G

+31° 2875 checked by M.A.H.
I 36118
K 5

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1916phae.proj.22176

Nov. 1, 1916

/ M 7.2 R Gem

N
Resembles T Camelopardalis

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1916phae.proj.2217C

Thursday Nov 2, 1916

I 37580 Rowan

✓ 49 B9 Several plates looked up, no better

I 20577 Rowan

✓ 77 G0
✓ 175 A2
✓ 153 G5

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1916phae.proj.22176

Friday Nov. 3, 1916

I 373446 Remarks

11 Gv—
34 Gv—
19 Two stars.

I 374633 Remarks

4 a
69 Perhaps F5. Very faint.
22 Go

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1916phae.proj.2217C

Saturday Nov. 4, 916.
D3½188 emit. 64, 84

129	2	G0
130	2	F5-
131	2	K5
132	7	A0
133	3	K0
134	3	G0
135	3	K0
136	8	G5-
137	6	A3
138	3	A0
139	5	K0
140	6	B8
141	7	A5-
142	3	G5-
143	6	F0
144	6	A0
145	6	K0
146	7	K0

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1916phae.proj.22176

✓	129	+49°	1695	7	49.0	+49	11	8.0	143	on 37704
✓	130	+49°	1712	8	2.7	+49	41	8.8	157	" "
✓	131	+50°	1538	8	16.5	+50	2	7.5	181	" "
✓	132	+49°	1743	8	24.6	+49	2	6.5	138	" "
✓	133	+55°	1284	8	21.9	+55	50	7.5	52	on 37676
✓	134	+55°	1267	8	8.7	+55	39	8.0	46	" "
✓	135	+55°	1276	8	16.4	+55	40	7.7	50	" "
✓	136	+53	1268	8	27.5	+53	53	6.8	3	on 37705
✓	137	+54	1188	7	49.8	+54	58	6.7	23	on 37671
✓	138	+55	1240	7	50.7	+55	0	8.0	24	" "
✓	139	+55	1247	7	55.5	+55	44	7.5	27	" "
✓	140	+49	1706	7	57.8	+49	26	6.8	155	" 37704
✓	141	+55	1265	8	7.2	+55	1	6.7	36	on 37676
✓	142	+55	1273	8	12.1	+55	3	7.8	48	" "
✓	143	+50	1542	8	17.8	+50	11	7.8	182	on 37704
✓	144	+55	1283						51	on 37676
	145	+53	1272						2	on 37705
	146	+53	1272						1	" "

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1916phae.proj.2217C

Nov. 4, 1916

I 37704 Re-exam

✓	98	2	F5	
✓	105	G		Perhaps F5
✓	167	1	Ao	Originally recorded G. Certainly wrong, probably due to faintness. Ao confirmed on I 35738, chart

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1916phae.proj.2217C

Irvine, Nov. 6, 1916

Q 23 15 −

+ 82° 25 3

A series of narrow lines appear on the spectrum between Hβ and Hγ.

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1916phae.proj.2217c

Sunday Nov. 7, 1916.

B20718 emb from 102,14

128	2	G0
129	1	G5
130	1	K0
131	3	K0
132	5	G5

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1916phae.proj.2217C

128	+9°	2003	8	26.7	+9	24	8.8	17 on T37628
129	+19	2005	8	268	+9	45	9.0	
130	+9°	2004	8	26.7	+9	53	8.9	16 on T37628
131	+8	2048	8	16.7	+8	6	8.0	8 on J38271
132	+7	1983	8	20.8	+7	28	8.0	2 on J38158

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1916phae.proj.2217c

Jan. 7, 1916

A3798 cont. from 63, 4

53	7	B9
54	5	B9
55	1	K0
56	2	K0
57	7	K0
58	1	F8
59	3	F5
" 60	5	K0

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1916phae.proj.2217c

✓	53	+9°	2099	8	51.5	+9	32	7.5	84	on 37628
✓	54	+8°	2148	8	51.0	+8	48	8.3	85	" "
✓	55	+12°	1943	8	49.1	+12	46	9.0	145	" "
✓	56	+12°	1906	8	39.6	+12	31	8.7	125	" "
✓	57	+9	2093						83	" "
✓	58	+15	1969	8	56.1	+15	2	9.0	91	on 38283
✓	59	+8	2165						133	on 37606
✓	60	+8	2172						134	" "

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1916phae.proj.2217C

Jun. 7, 1916
J 3749.4 comb. 51, 38

27	7	ao
28	8	ao
29	8	ao
30	5	ma
31	4	B9

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1916phae.proj.2217C

~ 27	+19	1911	7	56.4	+19	14	7.0	96 m I 37605
~ 28	+16	1612	7	53.2	+16	50	6.4	8 m "
- 29	+20	1893	7	36.6	+20	39	6.5	274 m I 37570
~ 30	+21	1714	7	45.7	+21	29	7.2	145 m I 37605
~ 31	+20	1885						271 m I 37570

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1916phae.proj.2217C

Wed. Jun 8, 1916

I 38635 cntr. from 78, 10

45	7	Cmp.	B+= A3 Fe+= G
46	5-	K0	
47	2	A5-	
48	2	A0	
49	3	A0	
50	2	A0	
51	3	A5-	
52	2	G5	
53	9	A0	K line fl. best wholeness lines dec
54	9	F0	
55-	8	A5	
56	5-	K2	
57	7	F0	Lines somewhat narrow.

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1916phae.proj.2217C

✓	45	+25°	1920	8	18.0	+25	1	6.5	139 ~~45~~ on 37605
✓	46	+25°	1892	8	8.9	+25	16	7.3	178 " "
✓	47	+23°	1924	8	~~8.0~~ 7.9	+23	~~22~~ 13	~~8.5~~ 7	~~178 " "~~
	~~48~~	+23°	1924	8	8.0	+23	22	8.5	✓
✓	49	+23°	1905	8.	2.9	+23	54	8.3	172 on 37605
✓	50	+23°	1903	8	2.9	+23	32	9.1	171 " "
✓	51	+22°	1916	8	13.0	+22	4	8.6	135 " "
✓	52	+22°	1929	8	16.8	+22	50	8.5	142 " "
✓	53	+24	c1905	8	11.9	+24	29	6.0	181 " "
✓	54	+24	1940	8	22.9	+24	34	5.8	
✓	55	+24	1931	8	20.0	+24	31	5.8	140 on 37605
✓	56	+25	1903	8	12.0	+25	47	7.5	52 on 37583
✓	57	+24	c1920	8	16.3	+24	25	7.0	138 " 37605

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1916phae.proj.2217C

Nov. 8, 1916
D 376574 Runyan

24

46 Perhaps As. K line v.s. doubtfully
82 Perhaps B8
68 A2
104a F8
111 Very faint. Uncertain
121 F5
138 G5
171 K0
183 G5-
189 K2

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1916phae.proj.2217C

Nov. 8, 1916

I 37628 Re-exam

- 24 F0
- 26 K0
- 43 F1
- 108 Uncertain
- 118 G5
- 151 G5
- 163 F1
- 164 Very ft. Perhaps F5

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1916phae.proj.2217C

Nov. 8, 1916
I 3760 5 Rowland

- 56 Kr
- 66 Kr
- 72 Kr
- 102 Fe
- 104 Maybe Fe
- 113 Cu
- 126 Kr
- 176 Cu

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1916phae.proj.2217C

Nov. 8, 1915
D 37505 Re-exam

- 6 Go
- 7 Ao
- 15 Ko
- 75 G5 Lens sp. may be alike.

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1916phae.proj.2217c

Nov. 8, 1916
13863 cont. from 77, 138

51	2	F0	
52	1	A5	
53	2	F5	
54	2	F6	
55	1	F8	
56	3	F8	Double lines
57	2	F8	
58	2	F0	
59	8	G5	
60	8	G5	H5 shiny
61	6	A2	
62	3	K2	
63	3	A5	
64	5	M	
65	5	A5	
66	3	K0	

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1916phae.proj.2217C

	51 +29°	1847 8	48.4 +29	46	8.8	72 on	J38173	
✓	52 +29°	1853 8	52.3 +29	48	9.0	75	"	"
✓	53 +29°	1865 8	57.0 +29	17	8.5	79	"	"
✓	54 +27°	1668 8	37.6 +27	13	8.2	10	"	"
✓	55 +26°	1885 8	53.4 +26	46	8.7	31	"	"
✓	56 +28	1722 9	7.0 +28	31	7.8	1	"	J37741
✓	57 +27	1734 9	7.7 +27	4	8.1	6	"	"
✓	58 +27	1742 9	11.5 +27	42	8.1	65	"	"
✓	59 +30	1817 8	59.3 +30	14	6.0	50 on	J38173	
✓	60					47 on	J	"
✓	61 +32	1829				108	"	J37345
✓	62 +31	1834				127	"	"
✓	63 +31	1941				126	"	"
	64 +31	1946				125	"	"
✓	65 +26	1901				Also on	J38173	
✓	66 +24	2054				140 on	J37607	

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1916phae.proj.2217C

Friday Nov. 10, 1916

J 38187. emb. Jan. 19, 1910

52	2	G5
53	3	G0
54	5	F0
55	1	K2
56	2	A2
57	1	K2
58	3	A0
59	2	K0
60	1	F0
61	4	A0
62	6	A0
63	6	K0
64	~~28~~ 5	F5
65	~~29~~ 9	A5

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1916phae.proj.2217c

✓	52 +73°	393 7	44.2 +73	32	9.0	51 on 37559
✓	53 +74°	347 7	53.0 +74	28	8.7	54 " "
✓	54 +74°	348 7	53.9 +74	47	8.2	55 " "
✓	55 +73°	373 7	5.8 +73	18	8.7	83 " "
✓	56 +74°	321 7	7.6 +74	19	9.2	86 " "
✓	57 +74°	323 7	8.6 +74	2	9.0	88 " "
✓	58 +74°	314 6	55.3 +74	11	9.2	116 " "
✓	59 +75°	292 6	58.2 +75	50	9.0	120 " "
✓	60 +75°	293 6	59.1 +75	33	9.3	121 " "
✓	61 +77°	284 7	6.9 +77	46	8.5	139 " "
✓	62 +78°	251 7	4.2 +78	19	7.0	138 " "
-	63 +75- 34					66 on 37714
	64 +73 420					1 " "
	65 +75- 342					65 " "

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1916phae.proj.2217C

Saturday Nov. 11, 1916

D 37676 Re-exam

81 Ko
132 Ko
164 G5
173 Ko
183 G5

D 37713 Re-exam

94 Ko
98 Ko

D 38187

28 G5
29 G5

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1916phae.proj.2217C

Friday, Nov. 17, 1916

B2139 Reman

- 148 G0
- 314 G0

B2447 Reman

- 71 G5

D38603

- 15 K2

D38637

- 29 F2

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1916phae.proj.2217C

Tuesday Nov 14, 1916

B2, 394 continued from 70, 158

321	3	A5
322	2	A2
323	2	K0
324	2	F8
325	2	A0
326	1	K2
327	2	K5
328	2	G0
329	2	A0
330	1	K0
331	2	G5
332	2	A0
333	2	K0
334	2	K0
335	2	K5
336	4	G5
337	4	K2
338	5	G0
339	4	K2
340	9	A0
341	2	G5 Partly superposed on 340
342	3	F5
343	2	F8
344	3	F8
345	2	Ma

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1916phae.proj.2217c

321	-7°	2457	8	16.4	-7	46	9.0 ✓
322	-7°	2453	8	15.9	-7	33	9.1 ✓
323	-8°	2335	8	16.4	-8	4	9.1 ✓
324	-8°	2382	8	17.1	-8	47	9.3 ✓
325	-9°	2497	8	16.7	-9	0	9.0 ✓
326	-8°	2331	8	15.9	-8	56	9.1 ✓
327	-9°	2493	8	15.6	-9	3	8.5 ✓
328	-8°	2334	8	16.0	-8	36	9.1 ✓
329	-8°	2325	8	15.4	-8	47	9.5 ✓
330	-9°	2478	8	13.5	-9	14	9.0 ✓
331	-9°	2484	8	14.5	-9	24	9.0 ✓
332	-8°	2298	8	10.9	-8	56	9.3 ✓
333	-9°	2454	8	10.3	-9	22	8.9 ✓
334	-9°	2450	8	9.3	-9	1	9.1 ✓
335	~~-9°~~ -10°	2419	8	4.9	-10	55	8.8 ✓
336	-8°	2281	8	9.0	-8	37	8.7 ✓
337	-8°	2283	8	9.3	-8	31	8.5 ✓
338	-8°	2285	8	9.5	-8	36	8.8 ✓
339	-8°	2292	8	9.9	-8	31	9.1 ✓
340	-8°	2291	8	9.8	-8	34	7.0 ✓
341	-8°	2290	8	9.7	-8	36	7.7 ✓
342	-8°	2247	8	8.2	-8	35	9.2 ✓
343	-8°	2276	8	7.6	-8	28	9.3 ✓
344	-9°	2429	8	6.7	-9	18	9.0 ✓
345	-10°	2396	8	1.8	-10	23	9.3 ✓

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1916phae.proj.2217c

Tuesday November 14, 1916

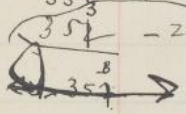
B 21394 clust.

346	2	Ma	
347	2	Ma	
348	2	G5	
349	3	G5	
350	3	A0	Parity sup. m −80 2222
351	2	A0	
352	1	Mb	
351[3]	2	F5	
351[4]	2	A3	
355	4	Ma	

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1916phae.proj.2217C

346 −9°	2445	8	8.6	−9	1	8.2 ✓
347 −10°	2413	8	4.3	−10	51	9.1 ✓
348 −9°	2386	8	1.2	−9	0	9.2 ✓
349 −9°	2385	8	0.9	−9	7	9.1 ✓
350 −8°	2221	7	59.5	−8	49	8.5 ✓
351 −8°	2219	7	59.2	−8	54	9.4 ✓
~~352 −8°~~	2216	7	58.9	−8	55	9.0 ✓
✓ 353 −2° 2434		8	0.0	−2	43	9.1 64 on B2466 93



✓ 354 −7°	2469	8	17.7	−7	17	9.1 34 on 13191 36

Identt. on cards by M.A.H. Nov. 27, 1916
Identt. in book by A.M.C. November 28, 1916.
Compared by G.R.C.B. Nov. 28, 1916.

✓ 355 −4 2235 8 2.0 −4 8 7.5 44 on 13820 7

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1916phae.proj.2217c

Thursday, Nov. 16, 1916

B11009 Cmp

1 4 B5

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1916phae.proj.22176

1 −53° 1070 6 19.7 − 53 16 7.2 120 on B20547

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1916phae.proj.2217C

~~Friday~~ Monday Nov. 20, 1916

B20857 Romano

✓ 122 Ko
✓ 125 Ko
✓ 153 Ao

B19015 Romano

✓ 75 Ko

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1916phae.proj.22176

Monday, Nov. 20, 1916

Search for Spectrum of Barnard's star having large proper motion.

See D 31836 July 6, 1904
B 41629 ~~for~~ July 4, 1910 chart

These two plates show the motion of the star

Sp. D 34667 Torsion.
D 36125 " "
D 36534 " "
D 36747 " "

Only a blue seen on these plates.

Spectrum given from Yerkes as M6 but it is M5 both on our plates.

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1916phae.proj.2217C

Thursday Nov. 23, 1916

D 38809 emb. fm 92, 4

54	7	K5
55	2	a0
56	2	sub
57	3	a2
58	2	a3
59	2	a2
60	3	a5

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1916phae.proj.2217C

54	+19°	4277	19	58.7	+19	35	5.3	stars	37235
55	+17°	4188	19	53.8	+17	32	8.5	162	" "
56	+17°	4183	19	53.5	+17	7	5.8	158	" "
57	+17°	4182	19	53.4	+17	57	8.1	161	" "
58	+18°	4341	19	52.5	+18	10	8.3	164	" "
59	+19°	4257	19	56.2	+19	58	9.0	135	" "
60	+20°	4422	19	59.6	+20	7	8.1	57	" "

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1916phae.proj.2217C

Thursday November 23, 1916

B 43231 long

	No	Dist.	Class
✓	1	5	Bq
✓	2	8	Ao
✓	3	7	Ko
✓	4	8	F5
✓	5	4	Ao
✓	6	3	A3
✓	7	6	Ao
	8		

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1916phae.proj.2217C

1	−24°	17160	22	17.7	−24	0	7.5 ✓
2	−24°	17171	22	19.3	−24	19	6.3 ✓ 10 on B 24338
3	−25°	15905	22	16.6	−25	23	5.9 ✓
4	−21°	6251	22	26.8	−21	27	5.7 ✓
5	−21°	6257	22	28.9	−21	50	7.8 ✓
6	−21°	6261	22	29.6	−21	8	7.0 ✓
7	−25°	16087	22	38.7	−25	54	6.5 ✓

Ident. on cards by A.M.C. Dec. 27, 1916.
" in book " M.A.H. Jan. 2, 1917.
" compared by G.R.C. Jan. 3, 1917

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1916phae.proj.2217C

Saturday November 25, 1916

B8604 long

	No.	Dur.	Class
✓	1	8	Ko
✓	2	8	Bq
✓	3	4	F5
✓	4	4	F5
✓	5	5	F0
✓	6	5	A2
✓	7	7	A0
✓	8	7	A0
✓	9	8	Bq
✓	10	7	K5
✓	11	6	A3
	12		
	13		

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1916phae.proj.22170

1	−3°	H918	20	22.1 − 3	22	5.5 36 on B 14692
2	−3°	4906	20	20.8 −3	50	6.4
3	−5°	5253	20	15.9 −5	44	6.8
4	−3°	4838	20	9.2 −3	56	7.2
5	−3°	4825	20	7.6 −3	56	7.0 −3° 4824 magn. 8.8 sup. s.p.
6	−5°	5196	20	7.7 −5	58	7.0
7	−6°	5403	20	4.9 −6	48	6.8
8	−6°	5394	20	3.4 −6	31	6.8
9	−2°	5328	20	31.7 −2	55	6.9
10	−3°	4961	20	29.2 −3	2	5.4
11	−9°	5457	20	16.9 −9	14	7.0

Ident. on cards by A.M.C. Dec. 27, 1916
" in book " mtgs. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

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1916phae.proj.2217C

November 25. 1916

I 37605 cont. fr. BK41, p 162

No.	Int.	Class
188	1	K0
189	1	K5

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1916phae.proj.2217C

188 +19°	2004	8	16.5	+ 19	37	9.0
189 +19°	2008	8	17.9	+ 19	19	8.7

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1916phae.proj.2217C

Monday, Nov. 27, 1916

B 4319.8 long

No	Mt	Class	Remark
✓1	4	B0p	HB bright
✓2	6	B3	
✓3	6	B5	
✓4	4	B8	
✓5	4	A0	
6	7	A0	
7	6	B9	
8	4	A0	
9	3	A3	
10	5	A0	
11	3	A0	
12	8	B8	
13	3	B9	
14	5	A5	
15	5	B8	
16	4	A0	
17	8	B3	
18	2/5	B9	
19	1	A	

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1916phae.proj.2217C

1	−58°	6964	16	51.0	− 58	46	6.0	✓
2	−58°	6893	16	36.7	− 58	6	5.9	✓
3	−58°	6889	16	35.7	− 58	16	5.7	✓
4	−60°	6676	16	46.4	− 60	24	7.0	✓
5	−61°	5808	16	45.0	− 61	26	7.0	✓
6	−63°	4032	16	43.8	− 63	4	6.2	✓
7	−61°	5842	16	58.7	− 61	30	6.6	✓
8	−60°	6737	17	5.4	− 60	49	7.4	✓
9	−60°	6749	17	6.3	− 60	42	7.9	✓
10	−59°	6969	17	9.6	− 59	18	7.3	✓
11	−59°	6974	17	10.1	− 59	53	7.7	✓
12	−60°	6800	17	13.0	− 60	33	5.9	✓
13	−58°	7009	17	0.9	− 58	39	7.0	✓
14	−58°	7086	17	12.0	− 58	20	7.5	✓
15	−58°	7099	17	12.8	− 58	32	7.0	✓
16	−59°	6998	17	13.8	− 59	6	7.5	✓
17	−62°	5558	17	12.3	− 62	44	5.9	✓

Ident. on cards by M. A. H. Nov. 27, 1914

Ident in book by A.M.C. Dec. 27, 1916

Ident. compared by A.M.C. Dec. 27, 1916

✓ 18	−58	6965	16	51.0	−58	51	7.2	144 on	B 19954
✓ 19	−58	6966	15	51.1	−58	57	7.9	143 "	"

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1916phae.proj.2217C

Friday, Dec. 1, 1916

B19016 Re-exam

- 53 Go
- 169 Go
- 171 Go

B18302 Re-exam

✓ 113 Ao

B13072 Re-exam

✓ 56 a Perhaps As

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1916phae.proj.22176

Dec. 1, 1916

B 20857 Re-exam

✓ 141 Ko

B 12788 Re-exam

✓ 105 Ao

B 1305-4 Re-exam

✓ 79 Ao
✓ 133 Ao

✓ 85 Almost emb. Partially Bo
✓ 109 " " " "

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1916phae.proj.2217c

December, 1916

B 18302 cmb. from 67, 96

	153	3	a2
	154	1	a3
✓	155	2	F8
✓	156	1	K
✓	157	1	K1
✓	158	2	G0
	159	6	K5
	~~160~~	2	
	171	2	a3

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1916phae..proj..2217C

153	-24°	7041 8 ~~25.4 - 24~~	25.4	-24	55	8.8 89 on B 13072
154	-25°	6236 8	27.8	-25	37	9.0 13 " " "
155	-23°	7593 8	33.9	-23	22	8.8
156	-22°	2351 8	33.7	-22	27	9.1
157	-23°	7625 8	35.3	-23	40	8.6
158	-21°	2555 8	36.0	-21	59	8.9

Identt on cards by A.M.C. Dec. 27, 1916
" in book by M.A.H. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

159 -19 2489 8 32.1 -19 14 6.7 287 on B 24583

171 -24 6762 8 12.6 -24 45 9.3 39 on B 44434

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1916phae.proj.2217c

Friday December 1, 1916

Cont from Bk. 72, 176 B 13073 short

✓	103	2	K_0
✓	104	5	a_0
✓	105	2	B_9
✓	106	2	$\overline{F}8$
	107	1	B_8
✓	108	2	a_0
✓	109	2	K_5
✓	110	2	a_0
✓	111	2	a_0
✓	112	1	a_0
	113		

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1916phae.proj.2217C

103	−35°	48858	33.5	−35	46	8.5 ✓
104	−34°	50778	33.0	−34	27	8.2 ✓
105	−35°	47458	27.4	−35	41	9.1 ✓
106	−35°	47248	26.6	−35	47	8.5 ✓
✓ 107	−34°	H887 8	24.7	−34	31	8.6 66 on B 130 #6
108	−35°	46668	24.0	−35	34	9.2 ✓
109	−36°	47838	30.0	−36	33	8.5 ✓
110	−36°	48258	31.9	−36	13	9.0 ✓
111	−36°	48338	32.4	−36	42	8.9 ✓
112	−36°	48188	31.5	−36	29	9.3 ✓

Idents. on cards by A.M.C. Dec. 27, 1916
" in book " M.A.N. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

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1916phae.proj.22176

Dec. 1, 1916

B13046 Re-exam

~ 47 a0
~ 58 a0
~ 87 a2
✓ 88 a0

B22751 Re-exam

✓ 85 a2

B18927 Re-exam

✓ 59 g0

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1916phae.proj..2217C

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1916phae.proj.22176

Saturday, Dec. 2, 1916

B43638 long

1	7	Ao
2	6	Bd
3.	6	Fo

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1916phae..proj..22176

✓	1	-31°	7355	9	25.4	-31	20	5.6	7 m B1307.
c	2	-28	7271	9	21.3	-28	15	6.5	10 cm B1328
✓	3	-31	7369	9	26.2	-31	19	6.3	10 m B1307

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1916phae.proj.2217c

Dec. 2, 1916
B 9427 long

	1	6	B9
	2	7	A0
v	3	3	B5
v	4	6	A0
v	5	8	B8
v	6	3	B0 [very hazy but only one star on chart pl.]
	7	7	Ar

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1916phae.proj.22170

✓ 1	−31°	6835	8	57.7 −31	57	7.0 333 on B H0081
✓ 2	−33°	5698	8	58.2 −33	6	7.7 253 on "
3	−33°	5573	8	50.8 −33	48	7.6 ✓
4	−35°	5504	8	9.7 −35	27	7.5 ✓
5	−33°	5973	9	14.6 −33	35	6.7 ✓
6	−40°	4838	8	57.4 −40	4	7.1 ✓

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

" in book M.A.H. Jan. 2, 1917

" Compared by E.R.B. Jan. 3, 1917

✓ 7 −37 5724 8 (F.7 −37) 13 6.8 163 on B.&K.36

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1916phae.proj.2217C

Dec. 2, 1916
B8889 lamp

1	8	B3
2	4	a0
3	9	g5

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1916phae.proj.2217C

✓	1	−34°	52H3	8	41.9	− 34	9	6.6	169 on B40081
✓	2	−30°	67H8	8	39.9	− 30	32	7.3	325 " "
✓	3	−29°	6544	8	34.5	− 29	8	5.6	5 " B13046

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1916phae.proj.2217C

Wednesday, Dec. 6, 1916

B 2145-3 enth. fm 65, 14.6

✓ 301	2	A0	
✓ 302	2	K5	
✓ 303	3	A0	
✓ 304	2	A0	
✓ 305	2	A0	
✓ 306	2	K0	
✓ 307	5	F8	
✓ 308	3	A0	
✓ 309	3	K0	
Thursday December 6, 1916 ✓ 310	3	K0	
✓ 311	4	F5	
✓ 312	2	K5	
✓ 313	3	F8	
✓ 314	2	K0	
✓ 315	3	K0	
✓ 316	5	K0	
✓ 317	4	A0	Lines broad. Near edge
✓ 318	4	G5	
✓ 319	3	F8	
✓ 320	3	G0	
✓ 321	3	Mb	
✓ 322	3	G5	
✓ 323	3	A0	
✓ 324	2	K0	
✓ 325	3	G0	

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1916phae.proj.2217c

301	-73°	604	9	27.9	-73	35	9.0 ✓
302	-73°	596	9	22.2	-73	23	9.1 ✓
303	-73°	589	9	19.2	-73	23	8.9 ✓ 22 on B 22988
304	-74°	557	9	3.3	-74	27	9.0 ✓
305	-74°	559	9	4.5	-74	39	9.1 ✓
306	-75°	542	8	52.5	-75	29	9.4 ✓
307	-75°	536	8	47.6	-75	26	8.6 ✓
308	-74°	542	8	48.5	-74	59	8.5 ✓
309	-75°	521	8	41.3	-75	16	8.8 ✓
310	-75°	517	8	39.3	-75	43	9.1 ✓
311	-76°	541	8	46.9	-76	21	9.1 ✓
312	-76°	543	8	47.6	-76	22	9.4 ✓
313	-76°	533	8	42.1	-76	36	8.9 ✓
314	-77°	422	8	41.0	-77	4	9.2 ✓
315	-77°	421	8	40.8	-77	10	9.4 ✓
316	-77°	423	8	42.1	-77	10	9.0 ✓
317	-76°	546	8	53.4	-76	49	8.9 ✓
318	-76°	548	8	54.4	-76	53	9.1 ✓
319	-76°	558	9	2.2	-76	55	9.1 ✓
320	-76°	561	9	3.7	-76	57	9.1 ✓
321	-77°	469	9	2.1	-77	36	9.3 ✓
322	-77°	470	9	2.7	-77	55	9.3 ✓
323	-78°	407	9	2.2	-78	3	9.3 ✓
324	-77°	473	9	4.2	-77	59	9.5 ✓
325	-78°	408	9	4.1	-78	24	9.3 ✓

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1916phae.proj.2217C

Thursday · December 7, 1916

Bd 1453 cont.

✓ 326	H	K0
✓ 327	5	A0
✓ 328	3	F0
✓ 329	H	A0
✓ 330	4	G0
✓ 331	1	K5
✓ 332	3	K2
333		

333 2 K0

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1916phae.proj.2217C

326	-78°	405	9	0.1 -78	19	9.4 ✓
327	-78°	400	9	59.1 -78	15	8.6 ✓
328	-77°	451	8	53.7 -77	34	9.2 ✓
329	-77°	449	8	52.7 -77	40	8.8 ✓
330	-78°	387	8	49.9 -78	24	9.0 ✓
331	-78°	381	8	48.2 -78	24	9.8 ✓
332	-78°	364	8	39.0 -78	46	9.4 ✓

Identt. on cards by A.M.C. December 27, 1916
" in book " M.A.N. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

(-80° 400)

✓ 333 9 58.1 -80 42 9.0 33 on B 13 K 65

1916phae.proj.2217C

Thursday Dec 7, 1916

B 2145 2 cont. from 69, 80

484	3	A0	
485	2	G5	
486	2	F8	
487	2	K1	
488	3	K5	A star sup. at least probably F5
489	5	A0	
490	3	F8	
491	7	K0	
492	6	A0	

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1916phae.proj.2217C

✓	H84 −63°	1043	8	46.4	−63	24	8.6	37 on B40095
✓	H85 −63°	1054	8	49.6	−63	12	8.8	2 on B40096
✓	H86 −65°	919	8	20.7	−65	32	9.2	27 " B19153
✓	H87 −71°	777	9	0.0	−71	40	9.0	3 " B22988
✓	488 −68°	859	8	51.1	−68	16	9.0	−68°858 magn. 9.5 susp.
✓	489 −66°	898	8	39.3	−66	26	8.7	
✓	490 −66°	896	8	38.9	−66	20	8.9	
✓	491 −67°	9798		39.2	−67	22	8.8	
✓	492 −67°	975	8	38.0	−67	24	8.4	

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1916phae.proj.2217C

Dec. 7, 1916

B 40275 emb. from 72, 58

	6h32	3	A5
✓	6h33	2	A0
	6h34	4	A0
✓	6h35	2	G0 (The fold. of two)
✓	6h36	2	G5
✓	6h37	1	K0
✓	6h38	1	K5
✓	369	5	F0
	370	7	K5

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1916phae.proj.2217C

2

362	−56	1943	8	54.0	−56	21	8.6 98 m B 4557
363	−55°	1841	8	51.3	−55	4	8.8 ✓
364	−54°	1894	8	48.3	−54	14	8.6 137 m B 4557
365	−55°	1822	8	49.0	−55	33	8.6 ✓
366	−55°	1796	8	46.8	−55	42	8.9 ✓
367	−55°	1810	8	48.1	−55	49	9.3 ✓
368	−55°	1846	8	52.2	−55	51	9.1 ✓
369	−50°	3379	8	26.6	−50	33	8.3 ✓

Identt on cards by G.M.C. Dec. 28, 1916
" in book by M.A.H. Jan. 2, 1916[7]
" Compared by G.R.B. Jan-3, 1917

370	−50	3849	8	3.2	−52	42	6.8 112 m B 3858

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1916phae.proj.2217C

Dec. 7, 1916

B38415 Re-ream

193 a Perhaps a5
233 90

B40275 Re-ream

184 a2
201 a0

B39868 Re-ream

75 a0
88 K0

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1916phae.proj.2217c

Dec. 7, 1916

B 4 6 198 short Cont. fm. 130, 13K

21	9	Ao
22	1	K2
23	3	Ao
24	1	G0
25	2	A3
26	2	F0
27	3	A5
28	7	K0

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1916phae.proj.2217C

~	21	−17°	2765	q	2.4	−17	45	6.2	154	on B13154
~	22	−17°	2764	q	2.3	−17	7	9.0	94	on B13154
~	23	−17°	2782	q	5.1	−17	1	9.1	98	" "
~	24	−16°	2716	q	6.1	−16	56	9.2	99	" "
~	25	−17°	2788	q	6.2	−17	38	9.0	100	" "
~	26	−18°	2558	8	56.8	−18	14	9.0	155	" "
~	27	−18°	2555	8	56.6	−18	16	8.8	156	" "
~	28	−16	2639	8	59.8	−16	9	6.2	240	on B1801.6

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1916phae.proj.2217c

Friday, Dec. 8, 1916

B 1897 cont from 6 Dec, 16

1897

53 2 90

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1916phae.proj.2217C

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1916phae.proj.2217C

Dec. 8, 1916

B39930 encl for 71, 202

300 2 B8

301 4 B

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1916phae.proj.2217C

300 -45 4348 8 34.8 -45 47 8.3

301 -45 4351 8 34.8 -45 47 8.2 301 m 538830

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1916phae.proj.2217C

Saturday, Dec. 9, 1916

38173 cont from 68, ~~104~~ 86

80 3 a_2

81 2 Ko

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1916phae.proj.2217C

✓ 80 +20° 2021 8 47.6 +22 14 8.1 121 on 37617
- 81 +23 2041 8 57.2 +23 38 8.5 132 on 37607

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1916phae.proj.2217C

Monday Dec. 11, 1916

D 37607 Reinmuth

✓	68	Ko
✓	84	Kr
✓	87	Ko
✓	89	Kr
✓	90	Kr
✓	94	Ko

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1916phae.proj.2217C

Dec. 11, 1916

d 37618 Rowland

- 29 F0
- 69 F5
- 73 G5
- 77 G5
- 79 G8
- 97 F8
- 102 G5
- 111 F9
- 133 F2

d 37606 Rowland

- 12 Perhaps F5
- 15 A2
- 18 A0
- 87 very faint. Perhaps F5
- 89 K0
- 96 K0

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1916phae.proj.2217c

Tuesday Dec. 12, 1916

I 3864 6 ent. for 79, 90

50	2	K0
51	5	K0
52	4	F5
53	3	A2
54	4	A0
55	2	F5
56	2	G0
57	2	K0
58	2	G8
59	6	G5
60	3	A5
61	4	G0
62	3	F5
63	5	G0

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1916phae.proj.22176

✓	50	+22°	2098	q	22.1	+22 12	8.9	65 on 137608
✓	51	+23°	2116	q	27.8	+23 50	7.5	108 " "
✓	52	+23°	2126	q	30.4	+23 43	7.8	114 " "
✓	53	+23	2128	q	30.5	+23 37	8.8	115 " "
✓	54	+22°	2111	q	29.0	+22 35	8.4	111 " "
✓	55	+21°	2068	q	30.5	+21 48	8.1	80 " "
✓	56	+27°	1768	q	23.3	+27 22	8.4	22 on 137741
✓	57	+26°	1990	q	32.2	+26 40	7.8	32 on 137741
✓	58	+27°	1809	q	38.5	+27 58	8.4	66 on 137741
✓	59	+25	2088	q	17.7	+25 36	6.46	13 " "
✓	60	+22	2104	q	25.0	+22 50	8.8	106 " 137605
✓	61	+25	2083	q	11.4	+25 2	7.3	15 " 137607
✓	62	+25	2081	q	11.1	+25 47	8.0	8 on 137741
	63	+25	2054					q " "

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1916phae.proj.2217c

Tuesday December 12, 1916

B 9462 short

	No.	Dur.	Class	
✓	1	1	K0	
✓	2	2	a5	
✓	3	1	K	
✓	4	2	F5	
✓	5	5	Ma	
✓	6	3	F5	
✓	7	2	G0	
✓	8	3	F2	
✓	9	4	F8	
✓	10	2	F8	Partly superp. on 9
✓	11	3	F5	
✓	12	1	K2	
	13	2	K2	
	14	3	a0	
✓	15	2	a3	
	16	3	a0	
✓	17	3	G0	
✓	18	2	F5	
✓	19	3	a0	
✓	20	7	F5	
✓	21	5	K0	
✓	22	3	a2	
✓	23	3	K0	
✓	24	2	K2	
✓	25	6	K2	

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1916phae.proj.2217C

1	+10°	1992	9	17.4 +10	6	8.1 ✓
2	+10°	1991	9	17.0 +10	9	8.5 ✓
3	+9°	2175	9	16.8 +8[10]	0	8.4 ✓
4	+9°	2178	9	17.0 +9	5	8.8 ✓
5	+8°	2215	9	15.8 +8	20	7.3 ✓
6	+8°	2210	9	14.0 +8	50	8.4 ✓
7	+8°	2203	9	11.8 +8	53	8.5 ✓
8	+7°	2108	9	10.7 +7	41	8.7 ✓
9	+7°	2102	9	9.5 +7	50	8.6 ✓
10	+7°	2101	9	9.5 +7	53	8.8 ✓
11	+8°	2186	9	6.0 +8	13	8.5 ✓
12	+8°	2183	9	5.8 +8	39	8.5 ✓
13	+6°	2131	9	6.4 + 6	31	8.5 138 on I 37606
14	+6°	2115	9	3.1 + 6	56	8.5 135 " "
15	+6°	2142	9	9.8 +6	4	8.8 ✓
16	+6°	2156	9	14.5 + 6	44	8.8 146[a] on I 37606
17	+6°	2157	9	14.6 +6	55	8.4 ✓
18	+7°	2116	9	14.5 +7	18	8.5 ✓
19	+6°	2165	9	16.3 +6	21	8.8 ✓
20	+6° +7°	2177 ~~2127~~	9 9	19.7 +6 ~~18.9 + 7~~	51 ~~9~~	7.3 114 ~~8.0 113~~ on I 37606
21	+6°	2177 80	9	20.6 ~~19.7~~ + 6	82 ~~51~~	8.0 ✓ ~~7.3~~ 115 ~~114~~ " "
22	+7°	2132	9	20.6 +7	8	9.0 ✓
23	+7°	2130	9	20.0 +7	59	8.3 ✓
24	+8°	2220	9	18.9 +8	18	8.5 ✓
25	+6°	2152	9	22.4 +6	16	7.7 ✓

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1916phae.proj.2217C

Tuesday December 12, 1916

Pg462 short.

No.	Sub.	Class	Remark
26	2	Ao	
27			
27	10	Ao	K lines very fr. Cent Cel. Cores not seen
28	6	G5	
29	13	Ko	

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1916phae.proj.2217C

26	+4°	2136	9	4.0	+4	23	8.3 ✓

Ident. on cards by A.M.C. Dec. 28, 1916.
" in book " M.A.H. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

27	+4	2139	9	4.6	+4	28	7.2	86 on J37606
28	+8	2199	9	10.2	+8	33	7.2	27 " J38198
29	+6	2173						117 on J37606

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1916phae.proj.2217c

Dec. 12, 1916

B 1936.0 cont. from 73, 166

✓ 182	3	A_2
✓ 183	4	F5
✓ 184	2	F8
✓ 185	2	G0
✓ 186	2	G5
✓ 187	2	G0
✓ 188	3	F8
✓ 189	3	K_0
✓ 190	3	K_2
✓ 191	2	G5
✓ 192	2	K_0
✓ 193	3	F5

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1916phae.proj.2217C

182 +5°	21859	22.2 +5	53	8.7 ✓
183 +5°	21829	21.9 +5	42	8.5 ✓
184 +5°	21819	21.6 +5	41	8.8 ✓
185 +5°	21839	22.1 +5	11	9.0 ✓
186 +6°	21849	24.1 +6	51	8.7 ✓
187 +6°	21879	25.0 +6	32	8.8 ✓
188 +6°	21899	26.1 +6	10	8.8 ✓
189 +5°	21989	27.2 +5	54	8.7 ✓
190 +7°	21639	30.8 +7	5	8.3 ✓
191 +7°	21659	31.8 +7	8	8.9 ✓
192 +6°	21989	33.0 +6	18	8.9 ✓
193 +5°	22119	31.9 +5	44	9.0 ✓

Ident. on cards by A.M.C. Dec. 28, 1916
" in book " M.A.H. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

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1916phae.proj.2217C

Dec. 12, 1916
23h 6m 7s long

- 1 7 a0

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1916phae.proj.2217C

~ 1 +3° 2280 q 44.7 +3 8 6.0 6 8 m B1339 3

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1916phae.proj.2217c

Wednesday, Dec. 13, 1916

J 37608 cont. from 42, 158

132	5	G0
133	4	F6
134	3	K0

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1916phae.proj.2217C

v	132 +20°	2399	9	49.0 + 20	27	7.5	58	on 937571
v	133 +21°	2128	9	48.9 + 21	28 ~~+5~~	8.6	105	on 937571
v	134 +23°	2164	9	51.3 + 23	58	8.2	141	on 937571

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1916phae.proj.2217c

Dec. 13, 1916

D 37724 Remeasure

79 K2

D 37571 Re-measure

116 Probably K0

D 37741 Re-measure

42 A or F, very faint. Perhaps measure.

74. K0

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1916phae.proj.2217C

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1916phae.proj.2217c

Thursday, Dec. 14, 1916

J 37459 cont. from 6f, 108

	49	2	Go
	50	1	Ko
✓	51	2	Ko
✓	52	1	G
✓	53	1	G
	54	1	Go
	55	1	Ko

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1916phae.proj.2217C

49	+38°	2027	9	14.2	+ 38 57	8.8	24 on I 37345
50	+38°	2026	9	14.2	+ 38 1	8.6	71 " "
51	+40°	2190	9	10.9	+40 9	8.2 ✓	
52	+39°	2239	9	15.2	+39 21	8.9 ✓	
53	+39°	2231	9	9.9	+39 14	8.5 ✓	
54	+38°	2007	9	2.9	+ 38 8	8.8	63 on I 37345
55	+37°	1955	9	4.5	+ 37 37	8.5	64 " "

Ident. on cards by A.M.C. Dec. 27, 1916
" in book by M.A.H. Jan. 2, 1917
" compared by G.R.B. Jan. 3, 1917

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1916phae.proj.2217c

Dec. 14, 916

I 37345 comb. fm 68, 80

1303 Qz (full, 86)

I 37345 Re-upon

✓ 85 Ku

✓ 90 Go

✓ 101 Kz

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1916phae.proj..2217C

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1916phae.proj.2217C

Friday Dec. 15, 1916

J38639 emb fm 78, 28

79	3	F8
80	2	G0
81	1	K0
82	1	F5
83	4	G5
84	4	K0
85	6	K0

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1916phae..proj..2217C

–	79	+45°	1658	8	46.0	+45	13	8.0	2	on 2 38240
–	80	+46°	1461	8	48.2	+46	54	8.6	7	" 38240
–	81	+46°	1472	8	56.6	+46	44	8.6	28	" "
✓	82	+47°	1639	8	57.3	+47	15	8.4	27	" "
✓	83	~~+33~~ +44	~~1784~~ 1807	~~8~~ 8	~~47.7~~ 47.4	~~+33~~ +44	59	7.0	3	" "
–	84	+45	1688						29	" "
✓	85	+45	1649						1	" "

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1916phae.proj.2217c

December 15, 1916

3382.60 cont. from 69, 12

✓ 147	2	G5	
✓ 148	1.1	R	3, 6, 10
✓ 149	2	K0	~~8~~
✓ 150	2	F8	S. f. 149
✓ 151	2	G1	
✓ 152	3	G0	

153 · 9 10 A0

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1916phae.proj.2217C

147	+51°	1477	8	54.8	+51	16	9.2 ✓
148	+50°	1603	8	53.0	+50	39	9.2 ✓
149	+52°	1358	8	52.5	+52	50	8.2 bo on 37705
150	+52°	1357	8	52.4	+52	46	8.5 ✓
151	+53°	1292	8	45.6	+53	36	8.5 ✓ 27 on 37705
152	+51°	1454	8	39.0	+51	13	8.1 ✓

Idem on cards by A.M.C. Dec. 28, 1916
" in book " M.A.H. Jan. 2, 1917
Identification compared by E.R.B. Jan. 2, 1917

153 8 53.4 +54 57 +54° 1272 37 on 37705

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1916phae.proj.2217C

Dec. 15, 1916

D37517 cmb. from 43, 212

130	7'	Ao
131	7	Ao
132	9	F8
133	3	K0
134	2	K0

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1916phae.proj.2217C

-	130 +62°	1055 9	1.2 +62	15	7.6	143 on 2 37705	
✓	131 +62°	1054 9	1.2 +62	14	7.6		
✓	132 +62°	1058 9	2.9 +62	0	5.0	144 on 2 37705	
✓	133 +62°	1064 9	8.0 +62	12	7.6	146 " "	
✓	134 +61°	1084 8	13.9 +61	12	8.5	135 " "	

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1916phae.proj.2217c

Dec. 15, 1916

D 37705 Rowland

-	4	K2
-	12	
-	23 ~~+8~~	F5
-	56	G0
-	89	K0
/	92	F0
-	98	K2
-	112	K0
/	110	K0

Perhaps F5. Faint.

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1916phae.proj.2217c

Dec. 15, 1916

D37517 Ceraseus

- 22	A	Image indistinct
- 24	K0	
- 30	G	very fr.
- 31	K2	
- 32	G	very fr. Perhaps nearer F
- 95	F8	
- 96	G	F. Perhaps F5
- 101	G0	
- 102	K0	
- 103	K0	

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1916phae.proj.2217c

Saturday Dec, 16, 1916

J 37625 ent. for 76, 166

27 2 F10

28 6 B9

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1916phae.proj.2217C

✓ 27 +57 1458 8 xx4.1 +51 x7 8.9 131m ∫3F240
✓ 28 +53 1291 26m ∫37705

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1916phae.proj.2217C

Dec. 16, 1916
D37714 cmt. for 42,172

189 2 F8
190 2 F5

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1916phae.proj.2217C

✓ 189 +72 474 9 44.0 +72 5 9.0 59 m 37701

✓ 190 +71 522 9 48.3 +71 26 8.7 61 " "

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1916phae.proj.2217c

Monday Dec 18, 1916

B20856 Re-regan

✓ 147 Ko

B30411 Re-regan

✓ 117 Original obs. Oe?
Re-examination and comparison with other spectra shows diffuse bright band 4686, Emaxfl. Sp. Interpr Oe.

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1916phae.proj.2217C

Tuesday, Dec. 19, 1916

I 37441 Re-exam

~80 Original class F5 with Remark, Look up
On re-examination and comparing with a short dispersion this spectrum appears to be B8, probably.

I 38206 Re-exam.

106 Perhaps near G. Faint.

~~I 38283 Re-exam~~

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1916phae.proj.2217c

Wednesday Dec. 20, 1916

B 1975 Re. mean.

82 B8p Probably resembles B Omicron. K line shows, yet helium lines appear blue seen

1916phae.proj.2217C

December 20, 1916.

Search for spectrum of 11 Sagittae.

Bright on I 16025, ~~22~~ 23013, 32999
18981, 33288 , Class A.
Faint on I 3837
July 13, 1891

but major to point to tell anything
about class.

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1916phae.proj.2217c

December 20, 1916

Search for spectrum of S Cancri when faint

The following spectrum plates show this star bright to Class A

I 502	20767
899	22655
4455	26328
8489	35714
7703	31154
7736	36627
7923	
10606	
10728	
10735	
~~10~~ 11981	
12027	
12201	

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1916phae.proj.2217C

Dec. 20, 1916

ME 6671
Re-exam
~ 37 Fio Difficult

B 19392 Re-exam
~ 78 Ft

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1916phae.proj.2217C

Thursday, Dec 21, 1916

Plates of ν Cephei

D 14167 Br. Class A
D 12187 " "
D 12216 " "
D 14221 " "
D 14455 " "
D 14159 " "
D 36035 " "
D 12088 " "
D 16607 " "

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1916phae.proj.2217C

Dec. 21, 1916

S W Andrus.

Spectrum Champlain

Fkr. m M F2807, 3 5 9 Sp. F 8

Bx. m I 17222 June 30, 1897, Sp a.

Line K not seen distinctly.

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1916phae.proj.2217c

Dec. 21, 1916

M F365
3 Cam. Mm.
Hγ=10 Hδ=80 Sp. Ma
Light nearly continuous throughout

M F358

T U Cass
F5 good image.

ST Cass also inflated.

Faint Apheus like a faint
3, 6, 10 Mam

M F362 TW Cass.

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1916phae.proj.2217C

Dec. 21, 1916

M ♯361 Z Pers
Class A.

M ♯363 TP Aur.

B8

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1916phae.proj.2217c

Dec. 21, 1916

B 15139 Reinmuth

✓ 71, 1 mk. Hδ beziehungsw. Hε barely seen
Contr. sp. fe. Mean position.

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1910phae..proj..221C

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1916phae.proj.2217C

Monday Jan. 8, 1916

B2346 log

1	4	g5
2	6	a5
3	7	Q3
4	5	F10
5	16	F8

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1916phae.proj.22176

✓	1	-7°	2378	8	4.5	-7	21	5.5	234 on B21394
✓	2	-3	2345	8	19.2	-3	31	6.2	4 on J38207
✓	3	-5	2572	8	15.4	-5	x3	6.3	30 " "
	4	-3	2356	8	20.5	-3	56	7.0	5 " "
	5	-2	2581	8	21.1	-2	3	7.0	1 " "

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1916phae.proj.2217C

Thursday, ~~Jan~~ Feb. 15, 1917

B42811 clust.

1	2	R
2	2	K0
3	3	G0

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1916phae.proj.2217C

✓ 1	−59	117	1	35.3	−59	54	10.2	146 m B1767
2	−59°	118	1	35.4	−59	56	9.7	
3	−59°	121	1	35.7	−59	50	9.0	

Nos. 2 + 3 Ident. in book by M.A.H.
Nos 2 + 3 " on cards " A.M.C. Feb 15, 1917
" " " " compared by G.R.B. " 15, 1917

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1916phae.proj.2217c

Feb 15 1917
107574 Eng.

1	6	K5
2	5	F18
3	5	B38

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1916phae.proj.2217c

~	1	+26	1633	7	35.3	+26	7	6.3	57 on 37583
–	2	+25	1738						89 on 38172
~	3	+27	1470						27 on 37189

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1916phae.proj.2217c

Saturday Feb. 17, 1917

δ 37423 cmth from 31, 220

70 3 G5

71 2 K2

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1916phae.proj.2217c

~	70	+0° 107	0	34.7	+0 16	8.3	63 m D37378
✓	71	+0° 106	0	34.6	+0 14	8.0	26 m B37577

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1916phae.proj.2217c

Wednesday Feb. 21, 1917

B 9461 Leo

1 7 B8

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1916phae.proj.2217C

✓ 1 -20° 2549 8 22.5 -20 28 6.7 54 m B18302

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1916phae.proj.2217C

Saturday, Feb 24, 1917

B 5897 long

1	8	Fs
2	b	K₀
3	8	a₀

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1916phae.proj.2217c

1	−19	47	34	10	46.4	−19	21	1.0	28 m B13130
2	−16	31	00	10	31.5	−16	7	5.2	4 " B13136
3	−16°	31	24	10	39.8	−16	31	6.2	48 " B13130

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1916phae.proj.2217C

Monday Feb. 26, 1917

B 9+42 Hamy.

1	8	K_2
2	6	Q_2 Lines 4128, 4131 & 4077 Hamy.
3	6	F_{2+}

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1916phae.proj.2217C

1	−52	4350	11	8.0	−52	33	7.6	84 on B3760
2	−52	4355	11	8.2	−52	16	7.6	81 " "
3	−51	5358	11	2.7	−51	44	7.0	35 m "

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1916phae.proj.2217c

Feb 27, 1917
9 16941 long.

1 7 : F0
2 7 : F5
3 12 : F2

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1916phae.proj.2217C

1	+13°2379	11	8.4	+13	39	6.7	16m	3831
2	+12 2284	10	52.1	+12	29	6.5	64	"
3	+14 2361	11	6.2	+14	2	9.0	12	"

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1916phae.proj.2217C

Feb. 26, 1917

B587 Cmp

1 9 Fr
2 6 Fs
3 5. Ao

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1916phae.proj.2217C

~1	−17	3367	11	16.2	−17	59	5.3	37 on B3H225
~2	−19	3255	11	24.6	−19	58	6.3	86 on B3985
~3	−20	3420	11	19.4	−20	33	7.0	81 " "

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1916phae.proj.2217C

Tuesday, Feb. 27, 1917.

B 9006 Longer Exp.

Int.	Sp.
16	a 2

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1916phae.proj.2217C

1 -6° 2845 9 5.3 -6 31 6.3 No. 46 on B19231

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1916phae.proj.2217c

Feb. 27, 1917

B36330 Lmg

1	6	A0
2	5	B9
3	6	B9
4	6	A0
5	6	K0
6	7	B9
7	7	A2
8	7	B8
9	5	A0
10	5	A0
11	6	B5
12	4	A0
13	4	K0
14	6	F5
15	5	K0

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1916phae.proj.2217C

1	−43° 8175	13	10.8	−43	24	7.6	146 m B41876
2	−42° 8333	13	14.2	−42	59	6.9	
3	−44 8669	13	21.8	−44	53	6.8	134 m B41876
4	−45° 8372	13	11.1	−45	6	7.0	
5	−46° 8580	13	13.6	−46	14	6.4	
6	−46° 8538	13	10.4	−46	56	6.9	
7	−47° 8260	13	15.5	−47	17	6.6	
8	−47° 8261	13	13.6	−47	54	6.6	
9	−48 8158	13	18.8	−48	8	7.0	
10	−48° 8202	13	19.6	−48	30	6.8	
11	−48° 8206	13	19.8	−48	44	6.7	
12	−47° 8363	13	22.1	−47	13	7.3	
13	−49 7884	13	16.4	−49	10	7.3	177 m B37609
14	−41° 7648	12	4.0	−41	34	6.1	
15	−40° 7682	12	59.5	−40	56	6.3	

Ident. on cards by M.A.H. March 9, 1917

Identified here March 12 1917 VDW

Identification confirmed by G.R.B. March 13, 1917

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1916phae.proj.2217c

Wednesday February 28, 1917

B1064.6

No

16 Ao

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1916phae.proj.2217C

1 −7° 2972 10 2.9 − 7 42 6.2 43 on B H 0281

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1916phae.proj.2217c

Monday March 5, 1917

B1.160 cmb from 76,20

270 4 B0

271 3 B9

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1916phae.proj.2217c

✓	270	−78	813	13	19.0	−78	12	7.7	17	m	B13×61
✓	271	−78	818	13	21.8	−78	39	8.3	15	"	"

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1916phae.proj.2217c

March 5, 1917

B21189-lmg

1 9 f_{12}

2 7 a_2

3 5 a_0

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1916phae.proj.2217c

-	1	-15° 3613	13	4.3	-15 25	5.7	70 m B 1901
-	2	-15 3608	13	2.0	-15 44	6.8	30 m B 1901
-	3	-18 3562	13	5.7	-18 3	6.3	39 " "

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1916phae.proj.2217C

March 5, 1917
B 1373 Long.

1 7 As
2 5 Go Slightly peculiar. Strong lines present. H δ strong

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1916phae.proj.2217c

1 +0° 3697 17 21.4 +0 28 5.5 74m B37767
2 +2 3337 17 24.1 +2 51 5.5 14m B141180

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1916phae.proj.22170

March 5, 1917

B 35803 Lmj.

1	8	95
2	8	140
3	8	140.

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1916phae.proj.2217c

✓ 1	−19° 3651	13	6.4	−19	10	6.2	48m	B40575	
✓ 2	−19 3653	13	8.1	−19	10	6.1	74m	"	
✓ 3	−16 3658	13	15.2	−16	58	5.3	26m	B13753	

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1916phae.proj.2217c

March 5, 1917
B 4444 3 Lmg.

1 6 Fs

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19:10phae.proj.2217c

v 1 −2° 3768 13 52.3 −2 50 6.4 22cm B21K33

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1916phae.proj.2217c

March 5, 917
d 3 r 37 6 long.

1	8	Aq 3
2	7	Ro
3	5	Ar

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1916phae.proj.22176

✓	1	+1° 2865	13	49.1	+1	46	5.8	16m B13402
–	2	+4° 2775	13	35.8	+4	17	5.7	46 " "
–	3	+3 2834						6 " " J37728

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1916phae.proj.2217C

Tuesday March 6, 1917

× 9113, 9266

✓ × Cruciform

Spectrum hazy but lines are narrow. Traces of 4471, 4387, 4026 seen.

Probably Helium (B Orionis + γ Leonis B9p.

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1916phae.proj..22176

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1916phae.proj.2217C

March 6, 1917
B43246 hmg

1 4 a_3
2 4 a_2

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1916phae.proj.22176

✓ 1	-25	9653/3	4.9	-25	5~3	6.6	41 mB 41 KOV
✓ 2	-23	10974/3	7.7	-23	37	6.8	56 mB 13757

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1916phae.proj.2217C

Wed, March 7, 1917

J 3872 cont. from f3, 1AK

53	B	75
54	1	90
55	3	90
56	6	78

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1916phae.proj.22176

✓	53	+29	2318	12	52.6	+29	1	8.128 on 37571
✓	54	+26	2402	12	55.1	+26	9	8.5 52 on 37588
✓	55	+28	2213					1 on 37575
	56	+29	2391					2 " "

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1916phae.proj.2217C

March 7, 1917

J 1778 (contd. from 37, 144

101	2	G5
102	1	G
103	2	F8
104	1	G0
105	2	G0
106	2	G0
107	1	K
108	2	G5
109	1	K
109a	1	K
110	2	G0
111	2	F8
112	1	K0
113	1	G
114	1	K0
115	1	G5
116	1	G
117	3	G5

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1016phae.proj.22176

101	+28°	2265	13	43.1	+28	18	8.7 ✓
102	+28°	2266	13	43.8	+28	14	9.0 ✓
103	+27°	2293	13	41.4	+27	15	8.7 ✓
104	+27°	2299	13	43.7	+27	1	8.5 ✓
105	+25°	2680	13	41.9	+25	54	8.8 ✓
106	+26°	2488	13	37.4	+26	2	8.5 ✓
107	+24°	2637	13	41.1	+24	51	8.3 ✓
108	+25°	2681	13	41.9	+25	5	8.7 ✓
109	+24°	2649	13	44.2	+24	22	8.3 ✓
109a	+24°	2650	13	44.2	+24	29	8.5 ✓
110	+23°	2615	13	41.3	+23	32	8.6 ✓
111	+23°	2620	13	43.7	+23	46	8.8 ✓
112	+23°	2623	13	44.8	+23	29	8.0 ✓
113	+24°	2652	13	45.4	+24	2	8.5 ✓
114	+25°	2702	13	49.8	+25	14	8.5 ✓
✓ 115	+23	2611	13	38.9	+23	15	8.4 65 on 13763
116	+24°	2627	13	37.3	+24	5	8.8 ✓
117	+24°	2592	13	23.9	+24	58	8.1 ✓

Ident. on cards by MAH. Mar. 22, 1917

Ident. in book by JCM. March 23, 1917.

Ident. compared by E.R.B. March 24, 1917

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1916phae.proj.2217C

March 7, 1917

D 37575 Rev. Cam

✓	15	G5
✓	17	G0
✓	18	G5
-	72	A

D 37581 Rev. Cam

-	69	A
✓	71	G5
✓	92	K0
✓	94	K0
✓	98	F8

D 37799 Rev. Cam

✓	47	K2
✓	52	K0
-	97	G0
-	166	A0
✓	110	K5

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1910phae.proj.2217c

March 7, 1917

D 37599 Reeves

24 Ko

D 37668 Reeves

47 Go
72 F5-
78 F0
123 K5

Luis names Spectrum uncertain.

D 37612 Reeves

63 F

confirmed in B11469

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1916phae.proj.2217C

Thursday, March 8, 1917
D 17457 Tony

1	2	a
2	1	K_2
3	1	a
4	1	g
5	1	K
6	1	a

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1916phae.proj.22176

1	+63	1032	12	40.6	+63	16	8.9	112 m 37668
2	+62	1246	12	34.4	+62	57	8.7	117 " "
3	+64°	923	12	49.2	+64	59	8.2	✓
4	+63°	1017	12	23.4	+63	39	8.9	✓
5	+62°	1239	12	25.5	+62	1	9.0	✓
6	+63°	1022	12	28.8	+63	45	9.1	✓

Nos. 3, 4, 5, 6 ident. on cards by M. A. H. March 22, 1917
Nos. 3 4 5 6 ident in book by J. H. M. March 23, 1917.
" " " compared by G. R. B. " 24, 1917

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1916phae.proj.2217c

Friday March 9, 1917

B 42260 Imp.

17 a3

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1916phae.proj.2217C

c 1 -17 3877 13 24.2 -17 8.9 6.x 11 m B13753

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1916phae.proj.2217c

Tuesday March 13, 1917

D3835-9 continued from 82,108

26	4	F5
27	5	A3
28	7	K2
29	6	A0
30	1	G0
31	1	G5

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1916phae.proj.2217C

26	+0°	3250	14	H3.1	+ 0	34	8.5	49 on 37688
27	+1°	2988	14	H3.8	+ 1	8	8.4	H7 " "
28	+0°	3253	14	H3.6	+ 0	20	6.5	51 " "
29	+0°	3249	14	H2.6	+ 0	36	7.9	H8 " "
30	+1°	2961	14	32.1	+ 1	58	9.0	20 " "
31	+3°	2903	14	26.6	+ 3	13	8.7	76 " "

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1916phae.proj.2217c

March 13, 1917
38430 cont. from 82,50

52	5	F2	
53	6	K2	
54	2	F8	
55	4	G5	lines near Hγ resemble those in 61 Cygni
56	6	F8	
57	4	G5	
58	3	F2	

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1916phae.proj.2217C

c	52	+32°	2H40	14	H.6	+32	34	7.7	90. on I37598
c	53	+32°	2H43	14	H.9	+32	58	6.5	89 " "
c	54	+32°	2H45	14	6.6	+32	16	8.4	88 " "
c	55	+28	2291	13	56.9	+28	"	7.5	51 on I37787
c	56	+32	2H24						" " I37799
	57	+29	2538						103 on I37824
	58	+28	2292						128 on I37613

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1916phae.proj.2217c

Thursday, March 15, 1917

D 37804 cmtn. from 81, 158

46	G5	10
46a	F0	2
47	F0	5
48	G5	2
49	G0	2
50	F2	6
51	K5	2
52	F8	2
53	F8	7
54	B9	7
55	F2	2
56	4	K0
57	3	K2

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1916phae.proj.2217C

c	H6	+55°	1730	15	2.2	+55	7	5.5	11 on l37573
c	H6a	+54°	1724	14	55.3	+54	26	7.5	12 " "
-	H7	+54°	1725	14	55.3	+54	27	7.5	12a " "
-	H8	+54°	1720	14	53.4	+54	14	8.3	13 " "
-	H9	+53°	1752	14	52.5	+53	58	8.6	14 " "
-	50	+55°	1702	14	34.1	+55	28	7.4	43 " "
-	51	+55°	1713	14	46.6	+55	35	8.2	23 " "
-	52	+54°	1682	14	24.3	+54	20	8.5	55 " "
-	53	+54°	1678	14	20.4	+54	14	6.8	58 " "
-	54	+54°	1668	14	17.1	+54	11	7.5	59 " "
c	55	+52	1839	14	53.3	+52	31	8.5	84 " "
c	56	+55	1699						56 " "
c	57	+52	1787						68 " "

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1916phae.proj.2217C

Thursday March 15, 1917
D 38669 Comb. from FE, KK

81	4	A0	Lewis #128, 31 and 4077 appear thereon.
82	2	F8	E
83	2	K0	E
84	2	G5	E
85	7	F8	
86	3	Ar	
87	6	K0	
88	2	F5	
89	9	A0	
90	2	G5	
91	3	G5	
92	8	F2	
93	4	F2	
94	4	K0	
95	4	F8	

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1916phae.proj.22176

c	81	+47	2150	14	23.6	+47	47	7.0	150 m J37573
/	82								47 " J37640
✓	83								48 m J37640
✓	84								49 " "
✓	85								115 m J37640
✓	86								116 " "
✓	87								117 " "
✓	88								118 " "
✓	89								119 " "
c	90								124 " "
	91	+40°	2758	1H	9.6	+40	21	7.3	36 " J38406
	92	+40°	2760	1H	10.5	+40	25	6.3	37 " "
	93	+40	2762	1H	12.1	+40	35	7.2	38 " "
	94	+42°	2781	1H	13.2	+42	40	7.0	39 " "
	95	+47	2140						155 m J37573

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March 15, 1917
D 37573 Rumker

a	46	G5
✓	75	K0
✓	87	A0
-	91	
✓	96	G5

Perhaps F5. Faint on all plates.

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1916phae.proj.2217C

March 15, 1917
I 37613 Re-exam

57 K2
69 F5-
100 F8
108 G0

I 37719 Re-exam

46 Very faint & indistinct Class uncertain
69 G5-
123 K0 Absorption strong at 4227

I 37729 Re-exam

107 Perhaps K5-
165- Perhaps G5

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Friday March 16, 1917

D 3 7 5 7 3 contr. from 3 9, 1 9 2

159	2	F2	
160	2	G5	
161	2	G5	
162	2	G5	Partly sup. on 10 8 4

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1916phae.proj.2217C

✓	159	+47°2186	14	57.4	+47	2	8.8	Iron on S37640
✓	160	+46 2011	14	53.5	+46	31	8.7	" "
	161	+48° 2193	14	18.0	+48	16	8.8	✓
	162	+51° 1927	14	26.8	+51	33	8.4	✓

Nos. 161 & 162 Identf. on cards by M.A.H. Mar-22,1917

Nos. 161 +162 identf. in book by J.C.M. March 23, 1917.

" " " compared by G.R.B. " 24, 1917

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1916phae.proj.2217C

Friday, March 16, 1917

B 43859 long

	No	Fwk.	Class	
1	4		F0	
2	5		F8	
3	4		F5	
4	4		A0	
5	7		A0p	Lines 4128-31 very strong
6	5		A0	
7	8		B8	
8	4		F8	
9	9		B3	
10	4		A2	
11	6		B9	
12	8		B5	
13	4		A0	
14	6		B9	
15	4		B2	
16	5		A0	
17	5		B9	
18	6		A0	
19				

19 5 B9

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1916phae.proj..2217C

	1	−42°	9867	14	51.1	−42	58	7.3	129 m B37602
	2	−42°	9871	14	51.3	−42	39	6.7	130 "
	3	−43°	9514	14	51.6	−43	18	7.2	484 m B37602
	4								25m B45466; 216m B39188
	5	−40°	9305	15	0.1	−40	6	6.2	Done on blue card also 4 m B43316
	6	−43°	9641	14	59.7	−43	14	7.3	153 m B37602
	7	−42°	10050	15	0.4	−42	23	6.5	213 " "
	8	−43°	9677	15	2.4	−43	15	7.8	36
		−43°	9678	15	2.4	−43	14	8.1	37 " "
	9	−44° 8889							Done on red card
	10	−42°	10157	15	6.2	−42	55	8.0	70 m B37602
	11	−43°	9739	15	7.0	−43	41	7.0	68 " "
	12								Done on red card
	13	−41°	9658	15	6.6	−41	51	7.3	253 m B37602
	14	−41°	9693	15	8.4	−41	55	7.2	248 " "
	15	−40°	9218	14	55.2	−40	47	7.3	
	16	−43°	9845	15	14.1	−43	50	7.0	94 m B37602
	17	44°	10048	15	13.1	−44	29	7.4	482 " "
	18	−41°	9965	15	22.0	−41	29	6.6	

Nos. 3,4,5,9,12,15 Ident. on cards by M.A.H. Marsh

Checked by old cards having been Classified previously. A.J.C.

Nos. 15 + 18 ident. in book by J.C.M. March 23, 1917.

" " " compared by S.A.B. " 24, 1917

	19	−38	10464	15	26.1	−38	56	6.8	18 m B41391

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1916phae..proj..217C

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