KG
11366
023

1917phae.proj:1024L

Book VI

H. S. Locke

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This book examined through page 196 for underlining, H. S. Regions only and corrections entered in Obs H. S. L. July 12, 1917

This book examined through page 198 for underlining, Special and Misc. Regions only, and corrections entered in Bks 20, 21, 22.

O. July 1917—

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Wednesday, January, 10, 1917

YELLOW

11.20 Series mc 305

Scale m mc 6080 Pole

	Sc.1	Sc.2	6085 pT			Sc.1 P. C.	Sc.2			
1							7.4	7.8	7.60 (2 2)	−3.16
4							8.5	8.8	8.65 (1 2)	−1.79
5	B						8.6	9.4	9.00 (4 4)	−1.57
6	B						9.2	10.0	9.60 (4 4)	−2.62
7	3.8 3.6p		3.9	3.85 (01)	3.61		9.7	10.0	9.85 (1 2)	−2.39
8	4.6 4.4		5.3	4.95 (4 3)	3.08		9.9		9.90 (a)	−1.87
9	5.9 5.7	5.85 (10)	5.8	6.60	6.20 (39 38)	2.52	7			
10	6.7 6.5	6.70 (00)	6.7	6.85	6.78 (07 09)	2.10				
11			7.4	7.8	7.60 (2 2)	1.96				
12			7.8	8.3	8.05 (3 2)	1.53				
13			8.3	8.7	8.50 (2 2)	1.58				
14			8.5	8.9	8.70 (2 2)	1.54				
15			9.1	9.3	9.20 (1 1)	1.44				
16			9.3	9.6	9.45 (1 2)	1.49				
17			9.4	9.75	9.58 (17 18)	1.46				
18	9.8	9.75 (01)	9.7	10.00	9.88 (13 13)	1.68				
19	10.0	9.95 (01)	9.9		9.95 (a)	1.99				
20			7							

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1917phae.proj.10241

2

YELLOW

Wednesday, January 10, 1917

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Scale m mc 6081 D 11 21h 00m − 15.0° Clst. conv - II

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	B						8.8	−2.80	6.00
2	J.P.						9.7	−2.40	7.30
3	B						8.7	−2.86	5.84
4	B						9.7	−2.40	7.30
5	B						9.3	−2.65	6.65
6	B						9.6	−2.48	7.12
7	4.0 3.8		3.53	7.53			9.9	−2.10	7.80
8	3.8 3.6p		3.60	7.40			9.5	−2.53	6.97
9	5.6 5.4		2.80	8.40			10.0	−1.85	8.15
10	4.1 3.9		3.47	7.57			9.8	−2.33	6.47
11	4.4 4.2		3.34	7.74			9.9	−2.10	7.80
12	5.6 5.6		2.71	851			10.0	−1.85	8.15
13	4.6 4.4		3.25	7.85			9.8	−2.33	7.47
14		7.6	1.71	9.31					
15		7.9	1.63	9.53					
16	6.8 6.6	6.75 0.1	6.7	2.12	8.87				
17	6.6 6.6	6.75 0.1	6.7	2.12	8.87				
18		7.8	1.65	9.45					
19		7.8	1.65	9.45					
20		7.6	1.70	9.30					
21		8.1	1.58	9.68					
22		7.9	1.62	9.52					
23		8.6	1.48	10.08					
24		7.6	1.70	9.30					
25		9.1	1.45	10.55					
26		9.4	1.46	10.86					
27		9.1	1.45	10.55					

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Wednesday, January 10, 1917

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Scale m mc 6081 (cont.)

	Sc. 1	Sc. 2		
28		9.1	1.45	10,35
29		9.7	1.56	11,26
30		T.P.		
31	9.6 9,65-01	9.7	1.53	11,18
32	9.9 9,90-00	9.9	1.73	11,63
33				

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4

YELLOW

Wednesday, January 10, 1917

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Scale m mc6082 C 11 21h 00m +15° 0 Rdt. corr +.09

	sc.1	sc 2	Cu	Magn	sc.1 P.C.	Sc.2	Cu	Magn
1.	B					8.8	-2.82	5,98
2	B				Remeas. by O. July 11, 1917.	8.6	-2.87	5,73
3.	3.9 3.7		3,55	7,45	sc.2	9.9	-2.10	7,80
4	B				8.4	8.9	-2.50	6,10
5	3.8 3.6		3.60	7,10	9.8	10.0	-1.85	8,15
6	4.6 4.4		3.24	7,84	10.0	10.0	-1.85	8,15
7	6.0 5.8		2.60	8,60		7		
8	6.6 6.4		2.23	8,83				
9.	6.9 6.7		2.02	8,92				
10		7.3	1.84	9,14				
11		7.7	1.67	9,37				
12	5.8 5.6		2.71	8,51				
13	5.6 5.4	5.65 01 5.7	2.80	8,45				
14	5.8 5.6	5.70 11 5.6	2.76	8.46				
15		8.6	1.48	10,08				
16		8.4	1.51	9,91				
17		8.6	1.48	10,08				
18		8.6	1.48	10.08				
19		9.6	1.52	11,12				
20		9.6	1.52	11,12				
21		9.9	1.75	11,65				
22		10.0	1.86	11,86				
23		9.3	1.46	10,76				
24		10.0	1.86	11,86				
25	10.0	7	1.86	11,86				
26	9.9 9.85 10	9.8	1.68	11,53				

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Wednesday, January 10, 1917

YELLOW

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Scale m mc 6083 γ Cephei 21h 0.0m +67.5° Alt. corr. +.10

	sc.1	sc.2	Cu	magn	sc.1	P.C.	sc.2		
A	3.9 3.7p		3.55	7.45			9.9	-2.10	7.80
a	off plate								
b	B						8.6	-2.87	5.73
c	off plate								
d	B						9.5	-2.53	6.97
e	B						10.0	-1.85	8.15
f	3.8 3.6 3.1		3.60	7.40			7		
g	4.9		3.04	8.14					
g'	B						9.8	-2.33	7.47
j									
h	4.5 4.3		3.30	7.80					
h'	6.0 5.8		2.61	8.61					
k	6.4 6.2		2.37	8.77					
k'	6.5 6.3p	6.50°	6.5p	2.30	8.80				
k²		7.5		1.75	9.25				
l	6.6 6.4	6.65°	6.7	2.20	8.85				
m		7.6		1.71	9.31				
n		7.9		1.61	9.51				
o		8.8		1.45	10.25				
o'		9.1		1.44	10.54				
p		9.1		1.44	10.54				
p'		9.8		1.63	10.43				
q		9.6		1.52	11.12				
j'	7.85 10 7.9	7.8		1.63	9.48				
r	9.9	9.90° 9.9		1.75	11.65				

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Wednesday, January 10, 1917

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Scale m

MC6084 X Cephei $21^h\ 00^m$ $+82.^\circ5$ Albi corr +.05

	Sc 1	Sc 2	Cu	Magn
a	~~7.5~~ 6.9	7.4	~~1.78~~ ~~3.14~~	9.18
b	6.7 6.85[10]	6.8	2.08	8.93
c		7.8	1.65	9.45
d		7.7	1.67	9.37
e		8.3	1.52	9.82
f		8.6	1.48	10.08
g		8.8	1.45	10.25
h		8.9	1.45	10.35
k	9.3 9.30[00]	9.3	1.45	10.75
k'	9.8 9.80[00]	9.8	1.64	10.44
l	9.9 9.85[10]	9.8	1.68	~~10.53~~

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Wednesday, January 10, 1917

YELLOW

Scale m mc 6085 Pole

	Sc.1	Sc.2	Sc.1 P.C.	Sc.2
1				7.8
4				8.8
5	B			9.4
6	B			10.0
7	3.7 (3.9)			10.0
8	5.1 (5.3)			
9	6.4 (6.6)	6.60		6.6
10	6.7 (6.9)	6.85		6.8
11		7.8		
12		8.3		
13		8.7		
14		8.9		
15		9.3		
16		9.6		
17		9.8 9.75		9.7
18		10.0 10.00		10.0
19				
20				

See page 1

12.40

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8

YELLOW

1

12.10

Friday, January 12, 1917

Series MC 305

Scale m

	MC 6085 Sc 1	MC 6085 Sc 2	Pole 6091 r14			Sc 1 P.L.	Sc 2	
1							7.7	-3.26
4							8.6	-2.74
5	B						9.5	-3.07
6	B						10.0	-3.02
7	3.8 3.6p		4.0	3.90 (11)	3.56		10.0	-2.54
8	5.5 5.3		4.9	5.20 (33)	2.49		7	
9	6.7 6.5	6.70 (00) 6.7	6.25	6.48 (33 23)	2.26			
10	6.7 6.7	6.85 (10) 6.8	6.85	6.85 (0000)	2.03			
11		7.7	7.8	7.75 (10)	1.61			
12		7.9	8.2	8.05 (12)	1.53			
13		8.6	8.9	8.75 (31)	1.33			
14		8.8	8.9	8.85 (01)	1.39			
15		9.3	9.4	9.35 (10)	1.29			
16		9.7	9.7	9.70 (00)	1.24			
17	9.9	9.85 (10) 9.8	9.75	9.80 (05 15)	1.24			
18	10.0	7	10.00	10.00 (0000)	1.56			
19								

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Friday, January 12, 1917

YELLOW

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Scale m mc 6086 Bg 22h 40m +45.0° Alt. corr +.13

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
1	B						9.9	-2.80	7.10
2	B						9.9	-2.80	7.10
3	B						9.4	-2.88	6.52
4	B						10.0	-2.78	7.22
5	3.8 3.6		3.59	7.39			↓		
6	4.6 4.4		3.16	7.76					
7	B						9.8	-2.82	6.98
8	6.0 5.8		2.47	8.47					
9	B						10.0	-2.78	7.22
10	6.9 6.7		2.00	8.90					
11	double								
12	6.6 6.4	6.53 01 6.5	2.17	8.72					
13		7.6	1.68	9.28					
14	5.1 4.9	5.15 10 5.2	2.90	8.05					
15		8.1	1.52	9.62					
16		7.9	1.58	9.48					
17		8.5	1.44	9.94					
18		8.4	1.45	9.85					
19		7.7	1.66	9.36					
20		8.8	1.36	10.16					
21		9.4	1.30	10.70					
22		8.4	1.46	9.86					
23		9.8	1.34	11.14					
24		9.9	1.26	11.26					
25		↓							
26	9.8 9.80 00	9.8	1.34	11.14					
27	↓	10.0	1.40	11.40					
28		↓							

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10

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Friday, January 12, 1917

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Scale m ' mc 6087 D12 23h 00m −15.0 alt. corr −.10

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	
1	4.5 4.3		3.22	7.72		N.S	
2	B					9.9	−2.80 7.10
3	3.9 3.7		3.53	7.43		f	
4	5.3 5.1		2.83	8.13		f	
5	B					f	
6	5.1 4.9		2.92	8.02			
7	5.7 5.5		2.62	8.32			
8	6.8 6.6		2.05	8.85			
9	7.0 6.8	6.95 02 6.9	1.97	8.92			
10	6.8 6.6	6.75 01 6.7	2.08	8.83			
11		7.5	1.73	9.23			
12		7.5	1.73	9.23			
13	6.7 6.5	6.65 10 6.6	2.10	8.75			
14		8.7	1.39	10.09			
15		8.3	1.48	9.78			
16		8.3	1.48	9.78			
16a		9.2	1.30	10.50			
17		9.4	1.30	10.70			
18		9.1	1.31	10.41			
19		9.5	1.30	10.80			
20		9.7	1.32	11.02			
21		9.6	1.31	10.91			
22	10.0 10.0000	10.0	1.40	11.40			
23	100 1000.00	10.0	1.40	11.40			

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Friday, January, 12, 1917

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Scale m MC 6088 R Pegasi $23^h\ 00^m$ $+10.0^\circ$ Ref. cor +.08

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
a	B						9.3	−2.88	6.42
b	B						9.8	−2.82	6.98
c	B						9.8	−2.82	6.98
d	off plate								
e	3.6 (3.8)		3.60	7.40					
f	3.7 (3.9)		3.54	7.44					
g	4.7 (4.9)		3.03	7.93					
h	5.4 (5.6)		2.68	8.28					
k	5.6 (5.8)		2.57	8.37					
l	6.6 (6.8)	6.75 (01)	6.7	2.08	8.83				
m	6.7 (6.9)	6.85 (10)	6.8	2.03	8.88				
n		8.1		1.52	9.62				
o		8.3		1.48	9.78				
p		8.8		1.36	10.16				
q		8.8		1.36	10.16				
r		9.3 (10)		1.30	10.60				
s	9.7	9.65 (10)	9.6	1.31	10.96				
t	9.9	9.90 (00)	9.9	1.37	11.27				

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Friday, January 12, 1917

YELLOW

Lapsid B23:142

Scale m MC 6089 C 12 23h 00m +15.0° @ 8h. corr. +.09

	Sc.1	Sc.2	Cu	Magn	sc.1 P.C.	Sc.2		
1	B					H		
2	B					10.0	-2.78	7.22
3	B							
4	B							
5	B							
6	4.9 4.7			3.01	7.91			
7	5.6 5.4p			2.67	8.27			
8	H.P.							
9	6.6 6.4			2.15	8.75			
10	4.8 4.6			3.07	7.87			
11	6.9 6.7			2.00	8.90			
12	5.6 5.4			2.68	8.28			
13			7.7	1.65	9.35			
14	6.7 6.5	6.70 00	6.7	2.10	8.80			
15	6.8 6.6	6.80 00	6.8	2.05	8.85			
16	7.1 6.9	7.10 00	7.1	1.90	9.00			
17			7.6	1.70	9.30			
17a			7.9	1.57	9.47			
18			9.4	1.30	10.70			
19	d							
19a			9.9	1.36	11.26			
20			10.0	1.40	11.40			
21	10.0	10.00 00	10.0	1.40	11.40			
21a	10.0	10.00 00	10.0	1.40	11.40			
22			H					

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Scale m mC6090 R Cass 0h 0m +50.0 Alt cor +.12

	sc 1	Sc. 2	Cu	magn	no p.c. seen
f	B				
g	B				
h	B				
k	B				
l	4.8 (5.0)		2.97	7,97	
m	6.4 (6.4)	6.65 (D1)	6.7	2.10	8,75
n			7.4	1.77	9,17
n'	6.4 (6.6)	6.60 (D)	6.6	2.14	8,74
n²			8.5	1.44	9,94
o			8.1	1.53	9,63
o'			8.5	1.44	9,94
p			8.9	1.35	10,25
q			9.4	1.30	10,70
r	9.5 (7.50°)		9.5	1.30	10,80
s	9.9 (9,70°)		9.9	1.36	11,26

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Friday, January 12, 1917

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Salem MC6091 Pole

	Sc.1	Sc.2	
4			no P.C seen
5	B		
6	B		
7	4.0 3.8p		
8	4.9 4.7		
9	6.3 6.1	6.25 10	6.2
10	6.9 6.7	6.85 10	6.8
11			7.8
12			8.2
13			8.9
14			8.9
15			9.4
16			9.7
17	9.8	9.75 0L	9.7
18	10.0	10.0000	10.0
19			

See page 8

12.30

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Monday, January. 15, 1917

Shut no 349

2.00

~~mc~~ Series mc 635

Scale m'

	mc 10429 Sc.1	Sc.2	Pole 10434 p 29		Sc.1	P.C.	Sc.2		
4							8.6	8.3	8.45 [2.1] − 2.59
5	B						8.8	8.7	8.75 [02] − 2.32
6	B						9.6	9.4	9.50 [11] − 2.52
7	3.6 3.4		3.7	3.45 [01]	3.41		9.7	9.6	9.65 [10] − 2.19
8	5.1 4.9		5.0	5.05 [10]	2.98		9.9		9.9 [00] − 1.87
9	5.9 5.7	6.10 [2 2] 6.3	6.30	6.20 [10 10]	2.54		M		
10	6.7 6.5	6.65 [10] 6.6	6.75	6.70 [05 05]	2.18				
11		7.4	7.5	7.40 [01]	1.91				
12		7.8	7.7	7.75 [01]	1.83				
13		8.4	8.4	8.50 [11]	1.58				
14		8.8	8.9	8.75 [01]	1.49				
15		9.2	9.3	9.25 [01]	1.39				
16		9.5	9.5	9.50 [00]	1.44				
17		9.60 [11] 9.7 9.5	9.70	9.60 [05 05]	1.39				
18		9.95 [01] 10.0 9.9	10.00	9.98 [03 03 ~~07~~]	1.58				
19		M							
20									

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Monday, January 15, 1917

Scale m mc 10429 (cont.) diff. images

	Sc 1 (g)	Sc 2	Sc 1 (hr)	Sc 2		
4	J.P.	J.P.	7.7	7.7	7.78	−1.84
5	8.6	8.60	8.6	8.35	8.48	−2.05
6	9.2	9.15	9.1	9.00	9.08	−2.10
7	9.6	9.55	9.5	9.45	9.60	−2.14
8	10.0	10.00	10.0	9.90	9.93	−1.92

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Monday, January 15, 1917

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Scale m MC 10430 W Leonis 10 50 +12.5 Q9 corr +.08 Variable Seq.

	Sc. 1	Sc. 2	Cu	Magn	Sc. 1	P. C.	Sc 2	Cu	Magn
a	4.5 4.3		3.32	7,82			10.0	-1.97	8.03
b	5.4 5.2		2.86	8,26					
b'	4.1 3.9		3.56	7,66			9.8	-2.10	7.70
b²	5.6 5.4	5.65 01	5.7	2.77	8,42				
c			7.4	1.93	9,33				
d			9.1	1.42	10,52				
e			8.4	1.58	9,98				
f			8.7	1.50	10,20				
g			9.1	1.42	10,52				
h			8.9	1.47	10,37				
k			9.2	1.40	10,60				
l			9.9	1.48	11,38				
m			9.1	1.42	10,52				
m'		9.65 01 9.6	9.7	1.43	11,08				
m²		10.00 00 10.0	10.0	1.52	11,52				
m³		7	10.0	1.52	11,52				
b³	6.7 6.5	6.65 10	6.6	2.28	8,93				

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Monday, January 15, 1917

Scale m MC 10430 (cont.) diff. images

	9 Sc1 Sc2	h Sc1 Sc2	Cu	Magn
a	9.8	9.85 9.9	-2.00	7,95
b	f	f		
b'	9.7	9.75 9.8	-2.05	7,70

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Monday, January 15, 1917

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Scale m mc 10430 W Lewis 10 50 +12.5 Dm Seq.

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2		
1	B 3.9					8.7p	-2.47	6.23
2	3.7		3.65	7.55		9.8	-2.10	7.70
2a	4.3 4.1	4.40 11	4.5	3.38	7.78	10.0	-1.97	8.03
3	6.9 6.7	6.80 11	6.7	2.20	9.00			
4			7.4	1.94	8.34			
4a			7.8	1.78	9.58			
4b			8.3	1.61	9.91			
4c			9.1	1.42	10.52			
5			9.2	1.40	10.60			
6		9.80 9.8	9.8	1.47	11.27			
7		9.95 9.9	10.0	1.50	11.43			
7a			M					

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Monday, January 15, 1917

Scale m MC 10430 (cont.) diff. images

	Sc1	Sc2	Sc1	Sc2	Cu	Magn
	g		h			
1	8.3	8.45		8.6	-2.03	6.42
2	9.6	9.60		9.6	-2.06	7.54
2a	9.9	9.95		10.0	-2.00	7.95
3	f			f		

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Ser. 635

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Card

Scale m mc 10431 O Leonis +4m 11h 20m +15.0 alt. cor +.08

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
1	B						8.8	-2.44	6.36
2	4.7 4.5		3.20	7.90			10.0	-1.97	8.03
3	B						9.7	-2.15	7.55
4	5.3 5.1 5.40 11'	5.5	2.87	8.27					
5	6.0 5.8 6.10 11'	6.2	2.50	8.60					
6		7.4	1.94	9.34					
7		7.6	1.87	9.47					
8		7.7	1.84	9.54					
a = 9		7.8	1.78	9.58					
10		8.5	1.56	10.06					
10a		8.5	1.56	10.06					
11		9.2	1.40	10.60					
~~b~~ 11a		9.5	1.40	10.90					
c = 11b	9.7 9.70°°	9.7	1.44	11.14					
12	8.8 8.80°	8.8	1.48	10.28					
b = 12a	9.1 9.10°°	9.1	1.42	10.52					
7a		8.3	1.51	9.81					

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Monday, January 15, 1917

Scale m MC 10431 (cont.) diff. images

	Sc1 ^{g}Sc2	Sc1 ^{h}Sc2	Cn	Magn
1	8.5 8.45^{10}	8.4	-2.02	6.43
2	7	7		
3	9.5 9.53^{10}	9.6	-2.06	7.49

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Monday. January 15, 1917

Scale m mc 10431 79 K 11 20 +15.0 alt. corr +.08

	Sc.1	Sc.2	Cu	Magn	Sc 1	P.C.	Sc.2
2	same as 1 in other sequence						
1	5.0 4.8		3.06	8,06			.7
1a	6.0 5.8		2.57	8,57			
2	5.0 4.8	5.10 1' 5.2	3.00	8,10			
3	7.1 6.9	7.00 11 6.9	2.12	9,12			
4		7.4	1.94	9,34			
4a		8.2	1.65	9,85			
5		9.1	1.42	10,52			
5a		9.3	1.40	10,70			
5b		9.6	1,40	11,00			
6		8.6	1.53	10,13			
7	9.7	9.75 10 9.8	1.46	11,21			
8	9.8	9.85 01 9.9	1.48	11,33			

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Monday, January 15, 1917

YELLOW

Scale m MC 10431 (cont.) diff. images

	Sc.1	Sc.2	Sc.1 Sc.2	Cu	Magn
1	10.0	10.00	10.0	-1.97	8.03
1a	f		f		
2	10.0	10.00	10.0	-1.97	8.03

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Card.

Scale m MC 10432 R Com. Ber. 12h 00m +20.0° Alt. corr +1.10

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
a	B						9.6	-2.18	7,42
b	3.6		3.70	7,50			9.9	-2.05	7,85
c	3.7		3.66	7,56			10.0	-1.97	8.03
d	5.1		2.90	8,20					
e	6.3		2.34	8,84					
f	5.9		2.50	8,60					
g	6.1	6.25 10	6.2	2.47	8,72				
h	6.6	6.80 00	6.8	2.20	9,00				
k			7.7	1.83	9,53				
l			8.1	1.68	9,78				
m			8.7	1.50	10,20				
n			8.8	1.48	10,28				
o			9.6	1.40	11,00				
p		9.60 60	9.6	1.40	11,00				
q		9.95 02	10.0	9.9	1.50	11,45			

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Scale m mc 10432 (cont.) diff. images

	Sc 1	Sc 2	Sc 1 Sc 2	Cu	Magn
a	9.2	9.15	9.1	-2.10	7.85
b	9.7	9.70	9.7	-2.06	7.64
c	9.8	9.85	9.9	-2.03	7.82
d	10.0	10.00	10.0	-1.97	8.03

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Monday, January 15, 1917

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Ser. 635

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Card.

Scale m MC10433 D7 13h 00m −15.0° Ext corr −.10

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C	Sc.2	Cu	Magn
1	B					9.4	−2.27	7,13
2	B					9.7	−2.15	7,55
3	3.8 3.6p		3.70	7,50		9.7	−2.15	7,55
4	3.9 3.7		3.65	7,55		9.9	−2.03	7,87
5	B					9.4	−2.27	7,13
6	B					9.5	−2.23	7,27
7	4,6 4.4p		3.27	7,87		10.0	−1.97	8.03
8	3.9 3.7p		3.65	7,55		9.9	−2.03	7,87
9	3.9 3.7		3.65	7,55		9.9	−2.03	7,87
10	5.6 5.4		2.77	8,37		J		
11	4,1 3.9		3,56	7,66		9.9	−2.03	7,87
12	7,1 6.9	7,00 11 6.9	2.12	9,12				
13		7.3	1.98	9,28				
14	5,9 5.7	6,00 11 6.1	2.56	8,56				
15		7.7	1.83	9,53				
16		~~8.6~~	1,53	~~8,13~~ 10,13				
17		8.2	1.64	9,86				
18		8.8	1.48	10,28				
19		8.9	1.46	10,36				
20		8.9	1.46	10,36				
21		9.9	1.48	11,38				
22		9.4	1,40	10,80				
23		9.5	1,40	10,90				
24	A	J						
25	9,95 9.9	10.0	1.50	11,45				

wr. star marked and measured. Corrected on fd. & magn. rejected in BK 23:184 © July 11, 1917.

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Monday, January 15, 1917

Scale m

MC 10433 (cont.) diff. mages

	g Sc1 Sc2	h Sc1 Sc2	Cu	magn
1	9.5	9.45 10 9.4	-2.08	7,37
2	9.6	9.65 01 9.7	-2.06	7,59
3	9.9	9.90 00 9.9	-2.01	7,89
4	9.8	9.80 00 9.8	-2.03	7,77
5	9.3	9.35 10 9.4	-2.09	7,26
6	9.2	9.25 01 9.3	-2.10	7,15
7	10.0	10.00 00 10.0	-1.97	8,03
8	9.8	9.85 01 9.9	-2.03	7,82
9	J.P.	10.0	-1.97	8,03
10	⅁	⅁		
11	9.9	9.95 10 10.0	-2.00	7,95

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Scale m MC 10434 Pole

	Sc.1	Sc.2	Sc.1 P.C	Sc.2
4				8.3
5	B			8.7
6	B			9.4
7	3.7 3.5			9.6
8	5.0 4.8			7
9	6.3 6.1	6.38 0.6 6.3		
10	6.8 6.6	6.75 0.1 6.7		
11		7.5		
12		7.7		
13		8.6		
14		8.7		
15		9.3		
16		9.5		
17	9.7	9.70 0.0 9.7		
18	10.0	10.00 0.0 10.0		
19				
20				

See page 15

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Monday, January 15, 1917

Scale m MC 10434 (cont.) diff. images

	Sc 1 ♀	Sc 2	Sc 1 ♂	Sc 2
4	M.P.		7.7 P.	
5	8.4	8.35 01		8.3
6	8.9	9.00 11		9.1
7	9.7	9.65 10		9.6
8	9.9	9.90 00		9.9
9	7		7	

3.50

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Sheet no 349

2.25 Series MC 635

Scale m MC 10434 Pole

	Sc.1	Sc.2	10440 P36		Sc.1 P.C.	Sc.2	6.40	6.40	−1.96
4						8.1	8.2	8.15	−2.29
5	B					8.7	8.6	8.65	−2.22
6	B					9.3	9.3	9.30	−2.32
7	3.3 (3.5)		3.6	3.55	3.91	9.7	9.8	9.75	−2.29
8	4.7 (4.9)		4.6	4.75 (13)	3.24	7			
9	5.7 (5.9)	6.10 (32) 6.3	6.00	6.05 (05 05)	2.69				
10	6.7 (6.9)	6.75 (13) 6.6	6.45	6.60 (15 15)	2.28				
11		7.3	7.3	7.30	2.06				
12		7.7	7.8	7.75	1.83				
13		8.5	8.5	8.50	1.58				
14		8.7	8.7	8.70	1.54				
15		9.2	9.3	9.25	1.39				
16		9.4	9.7	9.55 (21)	1.39				
17	9.7 (9.65 10)	9.6	9.80	9.72 (07 08)	1.22				
18	10.0 (9.95 02)	9.9	10.00	9.98 (03 02)	1.58				

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Scale m MC 10434 (cont.) diff. images

	g Sc 1	g Sc 2	R Sc 1	R Sc 2		
4	~~9~~ P.		8.1	7.9	8.00 (12)	−2.14
5	8.4	8.40 (00)	8.4	8.40	8.40 (00)	−1.97
6	8.8	8.95 (31)	9.1	9.20	9.08 (13 12)	−2.10
7	9.7	9.65 (10)	9.6	9.55	9.60 (05 05)	−2.14
8	9.9	9.90 (00)	9.9	10.00	9.95 (05 05)	−1.92
9	7		7			

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Card.

Scale m	MC 10435 Sc.1	Sc.2	Iris 1905 Cu	Magn	13 29 30 -12.5 Sc.1	P. C.	Sc.2	alt. corr -0.27 Cu	Magn
1	B						8.4	-2.25	6.15
2	3.9 3.7		3.80	9.70			9.9	-2.26	7.64
3	5.5 5.3		2.95	8.45			J		
4	6.0 5.8	5.95 01 5.9	2.72	8.67					
5	7.1 6.9	6.95 12 6.8	2.20	9.15					
6		7.7	1.87	9.57					
7		8.3	1.66	9.96					
8		8.5	1.60	10.10					
9		8.8	1.50	10.30					
10		9.1	1.44	10.54					
11	9.3 9.30	9.3	1.40	10.70					
12	9.8 9.75 12	9.7	1.45	11.20					

	diff. images Sc.1 J Sc.2		Sc.1 h Sc.2	Cu	Magn
1	7.6	7.65 01	7.7	-2.02	5.63
2	9.8	9.80	9.8	-2.00	7.80
3	J		J		

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Wednesday, January 17, 1917

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Card

Scale m MC 10436 Iris 1905 13 49 45 -17.5 Alt. corr. -.15

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu	Magn
1	B 4.3					9.1	-2.30	6,80
2	4.1		3.60	7,90		〃		
3	5.3 5.5		2.95	8,45				
4	6.1 6.3	6.20 11 6.1	2.60	8.80				
5	6.9 7.1	7.15 10 7.2	2.07	9,22				
6		7.8	1.83	9,63				
7		8.1	1.73	9,83				
8		8.7	1.54	10,24				
9		9.1	1.44	10,54				
10		9.4	1.40	10,80				
11	9.6	9.55 01 9.5	1.40	10,95				
12		9.9 9.90 00 9.9	1.47	11,37				

	diff. images Sc.1	Sc.2	Cu	Magn
1	8.6	8.65 01 8.7	-2.08	6,57
2	9.9	9.95 10 10.0	-2.47	7,48
3	〃	〃		

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Wednesday, January 17, 1917

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Cand.

Scale m mc 10437 D m 13 50 15 -7.5 alt. cor -.02

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	B						8.5	-2.27	6,23
2	3.5 (3.7)		3.87	7,57			10.0	-2.25	7,75
3	4.4 (4.6)	4.65 (01) 4.7	3.40	8,05					
4	6.7 (6.9)	6.85 (10) 6.8	2.27	9,12					
5		7.4	2.00	9,40					
6		7.6	1.92	9,52					
7		8.5	1.60	10,10					
8		8.9	1.47	10,37					
9		9.2	1.41	10,61					
10		9.6	1.40	11,00					
11	9.7 (9.7000)	9.7	1.44	11,14					
12	9.9 (9.9000)	9.9	1.47	11,37					

diff. images

	Sc.1 (9)	Sc.2	Sc.1 (8)	Sc.2	Cu	Magn
1	8.1	8.00 (11)	7.9		-2.06	5,94
2	9.9	9.85 (10)	9.8		-1.99	7,86
3	7		7			

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Wednesday January 17, 1917

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Card.

Salem MC10438 DM 13 50 +2.5 Add corr to P.S

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
1	B						9.3	-2.30	7,00
2	3.9 3.7		3.80	7,70			9.9	-2.26	7,64
3	5.5 5.3		2.95	8,45			⅂		
4	7.1 6.9	7.00 11 6.9	2.18	9,18					
5	6.9 6.7	7.00 11 7.1	2.18	9,18					
6		7.5	1.96	9,46					
7		8.1	1.73	9,83					
8		8.5	1.58	10,08					
9		9.1	1.44	10,54					
10		9.3	1.40	10,70					
11	9.6 9.60 00	9.6	1.40	11,00					
12	9.9 9.90 00	9.9	1.47	11,37					

diff. images

	Sc 1 (9h)	Sc 2	Sc 1 (2h)	Sc 2	Cu	Magn
1	9.2	9.15 01	9.1		-2.07	7,08
2	10.0	9.95 01	9.9		-1.98	7,97
3	⅂		⅂			

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Scale m MC 10439 C 8 14 59 15 +15.0 Alt corr +.09

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
1	B						9.4	-2.26	7.14
2	B						9.3	-2.30	7.00
3	4.4 (4.6)		3.43	8.03			7		
4	B						9.2	-2.30	6.90
5	B						9.2	-2.30	6.90
6	B						9.6	-2.28	7.32
6a	5.2 (5.4)		3.00	8.40			7		
7	5.1 (5.3)		3.05	8.35					
8	3.8 (4.0)		3.75	7.75					
9	5.1 (5.3)		3.05	8.35					
10		7.4	2.00	9.40					
11	6.8 (7.0)	7.15 (31)	7.3	2.10					9.25
12	6.1 (6.3)	6.35 (10)	6.4	2.50					8.85
13	6.3 (6.5)	6.40 (12)	6.3	2.50					8.90
14		7.6	1.92	9.52					
15		8.5	1.60	10.10					
16		8.6	1.57	10.17					
17		7.4	2.00	9.40 1					
18		8.8	1.50	10.30 2					
19		8.5	1.60	10.10 3					
20		8.1	1.73	9.83 4					
20a		8.9	1.47	10.37 5					
20b		9.2	1.42	10.62 6					
21		9.7	1.44	11.14 6a					
22		10.0	1.52	11.52					
23		9.9	1.48	11.38					
24		10.0	1.58	11.52					
25		↓							
26		↓							

diff. images

	Sc 1	Sc 2		Sc 1	Sc 2	Cu	magn
17	8.9	9.00 (21)		9.1		-2.07	6.93
18	9.6	9.45 (21)		9.3		-2.04	7.41
19	9.9	9.95 (10)		10.0		-1.97	7.98
20	9.1	9.10 (00)		9.1		-2.08	7.02
20a	8.7	8.70 (00)		8.7		-2.08	6.62
20b	9.2	9.25 (11)		9.3		-2.07	7.18
21	7	10.00 (00)		10.0		-1.96	8.04

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Wednesday, January 17, 1917

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Scale m MC 10440 Pole

	Sc 1		Sc 2
1			
4			
5	B		
6	B		
7	3.4 (3.6)		
8	4.4 (4.6)		
9	5.9 (6.1)	6.00 11	5.9
10	6.3 (6.5)	6.45 10	6.4
11			7.3
12			7.8
13			8.5
14			8.7
15			9.3
16			9.7
17	9.8	9.80 **	9.8
18	10.0	10.00 **	10.0
19			7

See page 31

	Sc 1	P.C.	Sc 2
	6.3		
1	6.1	6.40 11	6.5
4			8.2
5			8.6
6			9.3
7			9.8
8			7

diff. images

	g Sc 1	g Sc 2		h Sc 1	h Sc 2
1		J.P.			J.P.
4		J.P.	7.9 8		7.9
5		8.3	8.40 11		8.5
6		9.2	9.20 **		9.2
7		9.6	9.55 61		9.5
8		10.0	10.00 **		10.0

3.40

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Shut no 350

2.20

mc 628

Scale m

	mc 10356 Sc 1	mc 10356 Sc 2	Pole 10361 p 43			Sc 1	P.C.	Sc 2			
						6.8 6.6	6.75 01	6.7	6.80	6.78 03 04	−2.34
4								8.5	8.5	8.50 00	−2.64
5	B							8.9	8.9	8.90 00	−2.47
6	B							9.7	9.6	9.65 10	−2.67
7	4.0 3.8 p		3.9	3.95 01	3.51			9.9 9.7	9.7	9.80 11	−2.34
8	5.3 5.1		5.1	5.20 11	2.83			10.0	10.0	10.00 00	−1.97
9	6.5 6.3	6.50 00	6.5 6.60	6.55 05 05	2.19						
10	7.0 6.8	6.85 21	6.7 6.80	6.82 03 02	2.06						
11			7.9 8.1 7.7	7.80 11	1.56						
12			8.4 8.4	8.40 00	1.18						
13			8.7 8.7	8.70 00	1.38						
14			9.1 9.1	9.10 00	1.14						
15			9.3 9.5	9.40 11	1.24						
16		9.75 10 9.7	9.8 9.8	9.78 03 02	1.16						
17		9.80 00 9.8	9.8 9.85	9.82 02 03	1.22						
18		〃 〃	10.00	10.00 9	1.56						
19											

~~So~~ 9 Diff. images 12

	Sc 1	Sc 2	Sc 1	Sc 2			
1	J. P.		J. P.				
4	8.3	8.30 00	8.3	8.00	8.15 15 15	−2.29	
5	8.7	8.65 10	8.6	8.55	8.60 05 05	−2.17	
6	9.5	9.45 10	9.4	9.35	9.40 05 05	−2.42	
7	9.9	9.85 10	9.8	9.75	9.80 05 05	−2.34	
8	10.0	10.00 00	10.0	10.00	10.00 00	−1.97	

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Scale m M C 10357 N.G.C. 2539 8 10 – 12.5 Cor. corr. -.09

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
	3.9								
a	3.7		3.50	7.40			10.0	-2.26	7.74
	6.1								
B	5.9		2.37	8.47					
	6.7								
1	6.5	6.75 10 6.8	2.05	8.80					
1a		7.6	1.64	9.24					
2		7.8	1.54	9.34					
3		7.8	1.54	9.34					
3a		8.4	1.33	9.73					
4		8.7	1.26	9.96					
5		8.7	1.26	9.96					
5a		9.3	1.22	10.52					
5b		9.6	1.24	10.84					
5c		9.9	1.30	11.20					
6	10.0	10.0 10,00 00	1.33	11.33					
7	10.0	10.0 10,00 00	1.33	11.33					

Diff. images

	g Sc.1	g Sc.2	h Sc.1	h Sc.2	Cu	Magn
a		10.0	10.00 00	10.0	-2.36	7.64
B		J		J		

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Scale m MC 10359 Eunomia 1905 8 9 30 +12.5 Abb. corr +.09 R Canes Deff.

	Sc.1	Sc.2	Lu	Magn	Sc.1	P.C.	Sc.2	Lu	Magn
a	B						7.3	-2.45	4.85
b	off plate								
c	B						8.5	-2.53	5.94
d	off plate								
e	" "								
f	3.4 (3.6)		.				9.8	-2.36	7.44
g	3.6 (3.8)		3.56	7.36			9.9	-2.33	7.54
h	4.2 (4.4)		3.25	7.65			J		
k	5.4 (5.6)		2.60	8.20					
l	5.8 (6.0)	5.85 (21) 5.7	2.50	8.35					
l^2	5.7 (5.9)	5.85 (10) 5.8	2.50	8.35					
l^3		7.3	1.80	9.10					
m		7.4	1.73	9.13					
n		7.8	1.54	9.34					
o		8.7	1.26	9.96					
p		8.5	1.30	9.80					
q		9.1	1.21	10.31					
q^2		9.3	1.22	10.52	a				
q^3		9.7	1.26	10.96	c				
r		9.6	1.24	10.84	f				
s		9.7 (9.70) 9.7	1.26	10.96	g				
t		10.0 (10.00) 10.0	1.33	11.33	h				
u		n.s							
w		J							

Diff Images

Sc.1	Sc.2		Sc.1	Sc.2	Lu	Magn
6.7 (6.9)	6.90 (2)	J.P.	.	.	.	.
7.8	7.95 (21)	8.1	.	.	.	.
9.6	9.65 (01)	9.7	-2.34	7.31		
9.8	9.85 (01)	9.9	-2.36	7.49		
10.0	10.00 (00)	10.0	-2.37	7.63		

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Scale m MC 10360 Iris 1904 8 20 30 +15.0 Alt corr +.08

	Sc.1	Sc.2		Cw	Magn	Sc.1	P.C.	Sc.2
1	4.9 4.7			2.98	7.88			47
2	5.5 5.3	5.50 00	5.5	2.65	8.15			
3	7.1 6.9	7.15 10	7.2	1.86	9.01			
4			7.3	1.80	9.10			
5			7.7	1.58	9.28			
6			8.1	1.43	9.53			
7			8.7	1.26	9.96			
8			8.6	1.27	9.87			
9			9.2	1.21	10.41			
10		9.60 06	9.6	1.24	10.84			
11		9.90 00	9.9	1.30	11.20			
12			9.9	1.30	11.20			

Diff. Images

	Sc1	Sc2		Sc1	Sc2	Cw	Magn
1	10.0	9.95 01		9.9		-2.37	7.58
2	10.0	10.00 00		10.0		-2.37	7.63

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Scale m MC 10361 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	3.7 (3.9)	
8	4.9 (5.1)	
9	6.4 (6.6)	6.60 66
10	6.6 (6.8)	6.80 6.8
11		7.7
12		8.4
13		8.7
14		9.1
15		9.5
16		9.8
17	9.9 (9.85)	9.8
18	10.0 (10.00)	10.0

See page 39

	Sc.1	P.C.	Sc.2
	6.7 (6.9)	6.80 11	6.7
			8.5
			8.9
			9.6
			9.7
			10.0

Diff. Images

	Sc.1	Sc.2	Sc.1	Sc.2
1	D.P.		D.P.	
4	8.1	8.00 11	7.9	
5	8.6	8.55 01	8.5	
6	9.3	9.35 10	9.4	
7	9.8	9.75 01	9.7	
8	10.0	10.00 00	10.0	

3.25

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Card

Series MC 650

Scale m

	MC 10606 Sc 1	MC 10606 Sc 2	Pola 10611 P49		Sc 1 P.C.	Sc 2		
4						5.95	5.95	-1.51
5	B					7.8	7.80	-1.94
6	B					8.7	8.55	-2.12
7	3.6 3.4		3.5	3.55	3.91	9.4	9.30	-2.32
8	4.5 4.3		4.5	4.50	3.53	9.8	9.70	-2.24
9	5.8 5.6	5.80	5.80	5.80	2.94		9.9	-1.87
10	6.3 6.1	6.30	6.45	6.38	2.50			
11		7.3	7.4	7.35	2.01			
12		7.6	7.7	7.65	1.93			
13		8.4	8.5	8.45	1.63			
14		8.6	8.9	8.75	1.49			
15		8.9	9.3	9.10	1.54			
16		9.5	9.7	9.60	1.34			
17	9.5	9.45 9.4	9.55	9.50	1.54			
18	10.0	10.00 10.0	9.95	9.98	1.58			

Diff. Images

	Sc 1	Sc 2	Sc 1	Sc 2		
4	N.S	7.8	7.8p.	7.60	7.70	-1.84
5	8.2	8.30	8.4	8.50	8.40	-1.97
6	8.9	8.85	8.8	9.25	9.05	-2.07
7	9.7	9.65	9.6	9.70	9.68	-2.22
8	10.0	9.95	9.9	9.90	9.92	-1.89

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Ser 650

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Card.

Scalem Mc10607 N.G.C. 2301 b 40 I 0.0 Cluster seq. Red. corr +.02

	Sc.1	Sc.2		Lu	magn
a	4.8 4.6			3 3.43	8,13
b	4.8 4.6			3 3.43	8,13
c	5.9 5.7	5.80	11	5.7	2.84	8,64
c'	6.7 6.5	6.65	10	6.6	2.38	9,03
d				7.9	1.85	9,75
d'				8.5	1.64	10,14
d2				8.8	1.56	10,36
e				9.3	1.50	10,80
f	9.9	9.90	00	9.9	1.54	11,44
g	9.9	9.85	10	9.8	1.53	11,38
h	9.9	9.90	00	9.9	1.54	11,44
k	7			7		
l	10.0	9.95	-02	9.9	1.55	11,50

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Monday, January 22, 1917

Cand.

Scale m M C 10607 N.G.C. 2301 $6^h\ 40^m$ alt. corr +02 I 0.0 Ref. eq.

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
α	B						9.3	-2.27	7.03
β	B						9.4	-2.26	7.14
1	5.5 (5.7)		2.87	8,57			7		
2	3.7 (3.9)		3.80	7,70			10.0	-2.00	8,00
3	6.4 (6.6)	6.55 .01	6.5	2.42	8,97				
3a	6.5 (6.7)	6.60 .11	6.5	2.40	9,00				
4			7.8	1.87	9,67				
4a			8.4	1.67	11,07				
5			8.6	1,62	10,22				
6			8.9	1.54	10,49				
7			8.7	1.58	10,28				
8			9.6	1.51	11,11				
9	10.6	10.00 .00	10.0	1.56	11,56				
10			7						
11	10.0	9.95 .01	9.9	1.55	11,50				

	Diff. Images Sc.1 (9h) Sc.2		Sc.1 (2h) Sc.2	Cu	Magn
α	9.1	9.10 .00	9.1	-2.10	7.00
β	8.9	9.00 .11	9.1	-2.10	6,90
2	10.0	9.95 .01	9.9	-2.00	7.95

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Scale m M C 10608 N.G.C. 2323 Add. corr -.04 6h 50m -7.5

	Sc.1	Sc.2	Ch	Magn	Sc.1 P.C.	Sc.2	Ch	Magn
2	B					9.2	-2.28	6.92
B	4.7 4.5		3.37	8.07		7		
1	6.6 6.4	6.55 01 6.5	2.42	8.97				
2	6.7 6.5	6.65 10 6.6	2.38	9.03				
2a		7.4	2.01	9.41				
3		7.7	1.90	9.60				
4		7.6	1.93	9.53				
5		8.6	1.61	10.21				
5a		9.1	1.52	10.62				
6		9.5	1.50	11.00				
7		8.2	1.73	9.93				
8		9.6	1.51	11.11				
9		9.4	1.50	10.90				
10	10.0 10.00 00	10.0	1.56	11.56				
11	7	7						
12		n.s						
13	10.0 10.00 00	10.0	1.56	11.56				

Diff. Images

	Sc.1 g	Sc.2	Sc.1 p	Sc.2	Ch	Magn
2	8.7	8.75 10	8.8		-2.07	6.68
B	10.0	10.00 00	10.1		-1.95	8.05

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Card.

Scale m MC 10610 Iris 1904 7 30 + 17.5 Add. corr +.09

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu	Magn
1	3.8 3.6		3.83	7.63		10.0	-2.00	8.00
2	3.9 3.7		3.80	7.70		9.9	-2.05	7.85
2a	4.6 4.4		3.43	8.03				
2b	6.1 5.9		2.67	8.77				
3	6.6 6.4	6.60 00	6.6 2.40	9.00				
3a	6.8 6.6	6.80 00	6.8 2.29	9.09				
4	7.9	→ 7	1.85	9.75				
5		8.2	1.73	9.93				
5a		8.7	1.58	10.08				
6		8.2	1.73	9.93				
7		8.9	1.54	10.44				
8		7.5	1.97	9.47				
9		8.1	1.76	9.86				
10		9.8	1.53	10.33				
11	9.6	9.65 01 9.7	1.51	11.16				
12	10.0	10.00 00 10.0	1.56	11.56				
13	10.0	9.95 01 9.9	1.55	11.50				

Diff. Images

	Sc.1 9 Sc.2		Sc.1 by Sc.2	Cu	Magn
1	9.9	9.90 00	9.9	-2.00	7.90
2	9.9	9.90 00	9.9	-2.00	7.90

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Scale m mc 10611 Pole

	Sc. 1		Sc. 2
1			
4			
5	B		
6	B		
7	3.5 3.3		
8	4.5 4.3		
9	5.8 5.6	5.80 00	5.8
10	6.5 6.3	6.45 10	6.4
11			7.4
12			7.7
13			8.5
14			8.9
15			9.3
16			9.7
17	9.6	9.55 01	9.5
18	10.0	9.95 01	9.9

	Sc. 1	P. C.	Sc. 2
	6.0		9
	5.8	5.95 01	5.8
			7.8
			8.7
			9.4
			9.8
			万

Diff. Images

	Sc. 1	Sc. 2		Sc. 1	Sc. 2
	g			h	
1	J. P.				J. P.
4	7.7	7.60 11			7.5p
5	8.5	8.50 00			8.5
6	9.2	9.25 01			9.3
7	9.6	9.70 11			9.8
8	9.9	9.90 00			9.9

12.30

See page 44

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11.15

Series MC 650

Scale m

MC 10611 Pole

	Sc.1	Sc.2	10617 P57	Sc.1	P.C.	Sc.2		
1				5.9 5.7	6.00	6.1	5.65	5.82 6.01 −1.38
4						7.8	7.7	7.75 −1.89
5	B					8.8	8.6	8.70 −2.28
6	B					9.5	9.2	9.35 −2.37
7	3.5 3.3		3.50			9.7	9.6	9.65 −2.19
8	4.9 4.7		4.1			J		
9	5.8 5.6	5.80	5.8	5.8	5.80			
10	6.0 5.8 6.6	6.15	6.3 6.5	5.85	6.00			
11			7.4	7.10	7.25			
12			7.7	7.4	7.55			
13			8.4	8.2	8.30			
14			8.7	8.5	8.60			
15			9.2	8.9	9.05			
16			9.7	9.6	9.65			
17	9.7	9.65	9.6	9.55	9.60			
18	10	9.95	9.9	9.95	9.95			

Diff. Images

	Sc.1	Sc.2		Sc.1	Sc.2		
1	5.5p	5.5		YP	-		5.50 −1.06
4	7.7	7.70		7.7p	7.65		7.68 −1.82
5	8.5	8.50		8.5	8.05		8.28 −1.75
6	9.2	9.25		9.3	9.00		9.12 −2.14
7	9.6	9.65		9.7	9.55		9.60 −2.14
8	9.9	9.95		10.0	9.90		9.92 −1.89

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Cand.

Scale m mc 1062 N. G. C. 2539 Aet. corr -.08 8 10 -12.5

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
	3.8								
2	3.6		3.82	7.62			10.0	-2.20	7.80
	5.7						⏚		
B	5.5		2.94	8.64					
	6.3								
1	6.1	6.20 11	6.1	2.67					8.87
	6.9								
1a	6.7	6.90 00	6.9	2.32					9.22
2			7.5	2.05					9.55
3			7.6	2.00					9.60
3a			7.8	1.93					9.73
4			8.6	1.66					10.26
5			8.4	1.73					10.13
5a			9.2	1.52					10.72
5b			9.3	1.50					10.80
		9.85 01							
5c	9.8	9.9	1.50	11.35					
6	⏚	⏚							
		10.00 00							
7	10.0	10.0	1.50	11.50					

Diff. Images

	Sc.1	Sc.2		Sc.1	Sc.2		
2	9.9	9.95 10		10.0		-1.98	7.97
B	⏚			⏚			

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Scale m MC 10613 Iris 1904 8 20 +15.0 Ref. corr +.09

	Sc 1	Sc. 2	Cu	Magn	sc. 1	P. C.	Sc. 2
1	4.4 4.2		3.54	8.94			7
2	4.7 4.5		3.40	8.10			
3	6.1 5.9	6.25 12	6.4	2.65	8.90		
4	6.6 6.6	6.75 01	6.7	2.37	9.12		
5			7.5	2.05	9.55		
6			7.7	1.96	9.66		
7			8.2	1.78	9.98		
8			8.5	1.70	10.20		
9			8.9	1.58	10.48		
10			9.5	1.50	11.00		
11		9.8 9.75 01	9.7	1.50	11.25		
12		10.0 10.00 00	10.0	1.50	11.50		

Diff. Images

	Sc 1	Sc 2		Sc 1	Sc 2		
	9			h			
1	9.9	9.95 10		10.0		-1.98	7.97
2	10.0	10.00 00		10.0		-1.97	8.03

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add. corr. +.08

Scale m mc 10614 Eumonia 1905 8 30 +12.5

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
2	B						9.3	-2.28	7.02
1	3.7 (3.9)		3.77	7.67			10.0 +1		
2	4.7 (4.9) (5.8)		3.30	8.20					
3	5.6		2.87	8.67					
3a	6.5 (6.7)	6.60 11	6.5	2.45	9.05				
4	4.7 (4.9)	5.10 22	5.3	3.20	8.30				
5		7.3		2.14	9.44				
6		7.5		2.05	9.55				
7	6.7 (6.9)	6.80 11	6.7	2.36	9.16				
8		8.3		1.76	10.06				
9		8.8		1.62	10.42				
10		8.5		1.70	10.20				
11		9.1		1.53	10.63				
11a		9.3		1.50	10.80				
12	9.4 (9.40 00)	9.4 (10.00)		1.50	10.90				
12a	10.0	10.0		1.50	11.50				
12b		f							

Diff. Images

	g Sc 1	g Sc 2	h Sc 1	h Sc 2		
2	9.5	9.50 00	9.5		-2.01	7.49
1	9.7	9.85 12	10.0		-2.00	7.85
2	10.0	10.00 00	10.0		-1.97	8.03

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Wednesday, January 24, 1917

YELLOW

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Salem MC10615 Eunomia 1905 8 40 Aber. corr +.07 +10.0

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
1	B						9.5	-2.26	7.14
2	B						9.5	-2.26	7.14
2a	B						9.7	-2.22	7.48
3	4.8 (5.0)		3.25	8.25					
4	4.4 (4.6)		3.46	8.06			7		
5	4.7 (4.9)		3.30	8.20					
6	4.9 (5.1)		3.20	8.30					
7	5.4 (5.6)		2.97	8.57					
7a	6.4 (6.6)	6.65 01 6.7	2.44	9.09					
7b	6.7 (6.9)	6.80 11 6.7	2.37	9.17					
7c		7.4	2.09	9.49					
8		8.1	1.83	9.93					
9		8.6	1.66	10.26					
10		9.2	1.51	10.71					
11		9.3	1.50	10.80					
12	9.8 9.80 00	9.8	1.50	11.30					
13	9.5 9.60 11	9.7	1.50	11.10					

Diff. Images

	Sc.1 (9)	Sc.2	Sc.1 (2)	Sc.2		
1	9.2	9.15 01	9.1		-2.00	7.15
2	9.1	9.10 00	9.1		-2.00	7.10
2a	9.6	9.65 01	9.7		-2.00	7.65
3	10.0	10.00	7		-1.97	8.03
4	10.0	10.00 00	10.0		-1.97	8.03

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Wednesday, January 24, 1917

YELLOW

Rapid B 21:42

Scale m MC 10616 J Hydrae 8 50 Ref corr −.04 −7.5 Variable Seq.

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu	Magn
a	B					9.3	−2.28	7.02
b	B					9.9	"	"
c	3.4 (3.6)		3.91	7.51		10.0	"	"
d	3.4 (3.6)		3.91	7.51		10.0	"	"
e	4.5 (4.7)		3.40	8.10		?		
f	5.3 (5.5)		3.02	8.52				
g	5.4 (5.6)		2.97	8.57				
g'	6.9 (7.1)		2.24	9.34				
h	6.4 (6.6)	6.55 0.1 6.5	2.48	9.03				
h'	6.7 (6.9)	6.90 00 6.9	2.33	9.23				
k		7.4	2.10	9.50				
l		7.7	1.96	9.66				
m		8.9	1.58	10.48				
n		9.3	1.50	10.80				
o	9.8	9.25 0.1 9.7	1.50	11.25				
p	~~10.0~~	10.00 00 10.0	1.50	~~11.50~~				

wrong star

	Diff. Images Sc.1 g Sc 2		Sc 1 pg Sc 2	Cu	Magn
a	8.8	8.95 0.1	9.1	−1.99	6.96
b	9.7	9.70 "	9.7	−2.00	7.70
c	10.0	9.95 0.1	9.9	−1.98	7.97
d	10.0	10.00 00	10.0	−1.97	8.03

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Wednesday, January 24, 1917

YELLOW

Scale m MC 10616 (cont.) DM Sequence Dif. corr -.04

	Sc.1		Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	B							10.0	.	.
	5.1							↓		
2	4.9			3.20	8.30					
	5.9									
2a	5.7			2.83	8.73					
	6.9									
3	6.7			2.32	9.22					
	5.1									
4	4.9	5.15	10 5.2	3.16	8.31					
5			8.3	1.76	10.06					
5a			8.5	1.70	10.20					
5b			9.6	1.50	11.10					
	6.9									
6	6.7	6.85	10 6.8	2.34	9.19					
6a			7.5	2.05	9.55					
6b			7.9	1.90	9.80					
7			9.9	1.50	11.40					
8		10.0	10.00 00 10.0	1.50	11.50					
9		10.0	10.00 00 10.0	1.50	11.50					
10			↓							
11			↓							

Diff. Images

	Sc 1	Sc 2		Sc 1	Sc 2		
	9			hr			
1	9.9	9.90 00		9.9		-2.00	7.90
2	↓			↓			

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Wednesday, January 24, 1917

YELLOW

Scale m MC 10617 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	B	
8	4.1 3.9	
9	5.8 5.6	
10	5.9 5.7	5.85.10 5.8
11	7.1 6.9	7.10.00 ~~7.1~~ ~~6.9~~
12		7.4
13		8.2
14		8.5
15		8.9
16		9.6
17	9.6	9.55.01 9.5
18	10.0	9.95.01 9.9

See page 60

	Sc.1	P.C.	Sc.2
	5.6 5.4	5.65.01	5.7
4			7.7
5			8.6
6			9.2
7			9.6
8			7

Diff. Images

	g Sc.1	g Sc.2	h Sc.1	h Sc.2	
1	J.P.		J.P.		
4	7.6	7.65.01	7.7		
5	7.9	8.05.10	8.2		
6	8.9	9.00.01	9.1		
7	9.6	9.55.01	9.5		1.00
8	9.9	9.90.00	9.9		

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YELLOW

Friday, January 26, 1917

Shutt no 3 5-3

10.35

Series MC 626

Scale m

MC 10321 Pole

	Sc.1 ~~P.C.~~	Sc.2	10326 I=64	Sc.1 P.C.	Sc.2		
4					8.6	8.5	8.55 01 −2.69
5	B				8.9	8.9	8.90 00 −2.47
6	B				9.7	9.5	9.60 11 −2.62
7	3.9 3.7		3.9 3.90 00	3.56	9.8	·	9.8 a: −2.34
8	5.6 5.4		5.40 5.50 10 10	2.53	J	·	·
9	6.8 6.6	6.80 00	6.8 6.80 6.80 0000	1.94			
10	7.1 6.9	7.10 00	7.1 7.4 7.25 15 15	1.63			
11			7.8 8.1 7.95 31	1.41			
12			8.3 8.3 8.30 00	1.28			
13			9.1 8.9 9.00 11	1.08			
14			9.2 9.1 9.15 01	1.09			
15			9.4 9.5 9.45 01	1.19			
16	9.9	9.90 00	9.9 9.90 9.90 0000	0.94			
17	9.9	9.85 10	9.8 9.85 9.85 0000	1.19			
18		J					

Diff. Images

	g Sc 1	Sc 2		h Sc 1	Sc 2		
4	J.P.			J.P.		8.45	8.45 a: −2.59
5	8.8	8.85 01		8.9		8.75	8.80 05 05 −2.37
6	9.6	9.75 31		9.9		9.30	9.52 23 22 −2.54
7	10.0	9.90 11		9.8		9.85	9.88 02 03 −2.42

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Scale m MC 10322 O Leonis +4m 11h 20m 25s Alt. corr +.08 +15,0

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2	Cu	magn
1	B					9.2	-2.55	6.65
2	5.3 5.1		2.70	8.00		7		
3	3.9 3.7		3.55	7.45		9.9	-2.36	6.54
4	5.6 5.4	5.65 61 5.7	2.50	8.15		7		
5	6.5 6.3	6.50 00 6.5	2.03	8.53				
6		7.4	1.59	8.99				
7		7.9	1.37	9.27				
7a		8.7	1.16	9.86				
8		7.9	1.37	9.27				
9		8.2	1.28	9.48				
10		9.1	1.10	10.20				
10a		9.1	1.10	10.20				
11		9.5	1.10	10.60				
11a		9.9	1.14	11.04				
11b		9.9	1.14	11.04				
12	9.3	9.30 00 9.3	1.10	10.40				
12a	9.2	9.25 01 9.3	1.10	10.35				
13	10.0	10.00 00 10.0	1.15	11.15				

Diff. Images

	Sc 1	Sc 2		Sc 1 Sc 2	Cu	magn
1	8.8	8.85 01		8.9	-2.52	6.33
2	7			7		
3	9.8	9.80 00		9.8	-2.47	7.33

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1917phae.proj.1024L

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YELLOW

Friday, January 26, 1917

Scale m MC 10322 79 K $11^h\ 20^m\ 2^s.5$ Ref. corr +.08 +15.0

	Sc. 1	Sc. 2	Cu	Magn
2	same as 1 in other sense			
1	5.3 (5.15)		2.56	8,06
1a	6.4 (6.6)	6.65 (01) 6.7	1.95	8,60
2	5.4 (5.6)	5.65 (01) 5.7	2.50	9,15
3		7.7	1.46	9,16
4		8.1	1.31	9,41
4a		8.6	1.18	9,78
5		9.4	1.10	10,50
5a		9.7	1.13	10,83
5b		9.9	1.14	11,04
6		9.3	1,10	10,40
7	10.0 (10.00)	10.0	1.15	11,15
8				
9	10.0 (10.00)	10.0	1.15	11.15

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Friday, January 26, 1917

Sow 626

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Card

Scalem MC10323 S U Draconis $11^h 39^m 5.5^s$ +67.5 Adv. corr +.10

	Sc.1	Sc.2	Cu	Magn
a	6.3 (6.5)	6.50 +.10 = 6.5	2.03	8.53
a'	6.5 (6.7)	6.60 +.10 = 6.6	1.96	8.64
b		7.4	1.58	8.98
c		8.1	1.31	9.41
d		8.5	1.22	9.72
e		8.4	1.23	9.63
f		9.3	1.10	10.40
g		9.5	1.10	10.60
h	9.9	9.85 +.10 = 9.8	1.13	10.98
k	7	10.0	1.15	11.15
l	9.9	9.85 +.10 = 9.8	1.13	10.98
m		7		

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62

YELLOW

Friday, January 26, 1917

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Cand

Scale m MC 10324 R Com. Ber. 12 00 + 20.0 Dec. corr +.10

	Sc 1	Sc 2	Cu	magn	Sc 1	P.C.	Sc 2	Cu	magn
a	B						9.5	-2.50	7.00
b	3.9 3.7		3.55	7.45			9.9	-2.35	7.55
c	4.0 3.8		3.48	7.48			10.0	-2.32	7.68
d	5.6 5.4		2.53	8.13					
e	6.7 6.5		1.93	8.63					
f	6.5 6.3	6.55 10 6.6	2.00	8.55					
g	6.8 6.6	6.75 01 6.7	1.90	8.65					
h		7.4	1.58	8.98					
k		8.1	1.31	9.41					
l		8.6	1.19	9.79					
m		8.9	1.13	10.03					
n		9.3	1.10	10.40					
o		9.8	1.13	10.93					
p	9.9	9.90 00 9.9	1.14	11.04					
q	10.0	10.00 00 10.0	1.15	11.15					

Diff. Images

	Sc 1	Sc 2	Sc 1	Sc 2	Cu	magn
a	9.3	9.25 10	9.2		-2.51	6.74
b	9.8	9.85 01	9.9		-2.46	7.39
c	9.9	9.95 10	10.0		-2.44	7.51
d	10.0	10.00 00	10.0		-2.42	7.58

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Friday, January, 26, 1917

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Card

Scale m MC 10325 η Virginis +4m 12 20 0.0 Alt. corr +.02

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	magn
7 = a		9.2	1.10	10,30			9.9		
b		9.5	1.10	10,60					
c		9.8	1.13	10,93					
d		7							
e		10.0	1.15	11.15					
1	4.0 3.8		3.48	7,48			9.9	-2.35	7.55
2	4.8 4.6	4.85 01 4.9	2.98	7,83			7		
3		7.6	1.50	9.10					
4		8.4	1.23	9,63					
5		8.9	1.13	10,03					
6		9.1	1.10	10,20					
8		9.8	1,13	10,93					
9		9.6	1.11	10,71					
10	10.0	10.00 00 10.0	1.15	11.15					
11	10.0	10.00 00 10.0	1.15	11.15					
12		7							

	Diff. Images 9h Sc 1	Sc 2	4h Sc 1	Sc 2	Cu	magn
1	10.0	10.00 00	10.0		-2.42	7.58
2	7		7			

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Friday, January 26, 1917

YELLOW

Scale m MC 10326 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	3.9 3.7	
8	5.4 5.2	5.40 00 5.4
9	6.8 6.6	6.80 00 6.8
10		7.4
11		8.1
12		8.3
13		8.9
14		9.1
15		9.5
16	9.9	9.70 00 9.9
17	9.8	9.85 01 9.9
18		7

	Sc.1	P. C	Sc.2
	6.9 6.7p	6.80 11	6.7p
			8.5p
			8.9
			9.5
			7.p
			7

Diff. Images

	Sc.1	Sc.2	Sc.1	Sc.2	
1	7.p		7.p.		
4	8.4p	8.45 01	8.5		
5	8.7	8.75 10	8.8		
6	9.3	9.30 00	9.3		
7	9.9	9.85 10	9.8		11.55
8	7		7		

See page 58

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Monday, January 29, 1917

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Shutter no 353

11.10 Series MC 645

Scale m MC 10548 Pole

	Sc.1	Sc.2	10553 r.72			Sc.1	P.C.	Sc.2			
4								7.4	7.5	7.45 01	−1.59
5	B							8.1	8.2	8.15 10	−1.72
6	B							8.8	8.9	8.85 01	−1.87
7	B							9.2	9.2	9.20 00	−1.74
8	4.0 3.8		3.8	3.90 11	4.13			9.8	9.9	9.80 00	−1.77
9	5.5 5.3		5.6	5.55 10	3.19			7			
10	5.9 5.7		5.8	5.85 10	3.03						
11	6.6 6.4	6.65 01	6.7	6.95	6.80 15 15	2.56					
12	7.0 6.8	6.95 02	6.9	7.15	7.05 10 10	2.53					
13			7.8	7.8	7.80 00	2.28					
14			8.1	8.1	8.10 00	2.14					
15			8.7	8.7	8.70 00	1.94					
16			9.1	9.1	9.10 00	1.84					
17			9.2	9.2	9.20 00	1.84					
18			9.8	9.8	9.80 00	1.76					
19	9.95 01 10.0		9.9	9.90	9.92 03 03	2.02					
20	7		10.0	10.00	10.00 00	2.19					

Diff. Images

	Sc 1	Sc 2		Sc 1	Sc 2			
4	7.0 6.8	6.90 11		6.8 6.6		7.10	7.00 10 10	−1.14
5		7.9	7.75 11		7.6	7.65	7.70 05 05	−1.27
6		8.7	8.65 10		8.6	8.75	8.70 05 05	−1.72
7		9.1	9.00 11		8.9	9.25	9.12 13 13	−1.66
8		9.7	9.75 10		9.8	9.55	9.65 10 10	−1.62
9		7			10.0	10.00	10.00 000	−1.26

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Monday, January 29, 1917

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Scale m MC10549 N.G.C. 2287 6 40 −20.0 alt. cor. −.21

	Sc.1	Sc.2		Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	B							8.7	-1.76	6.94
2	3.9 3.7			4.13	8.03			9.7	-1.76	7.94
2a	5.1 4.9			3.44	8.54			10.0	-1.72	8.28
3	5.9 5.7			3.03	8.93			〃		
3a	6.9 6.7	6.80 11	6.7	2.65	9.45					
4	6.9 6.7	6.85 10	6.8	2.62	9.47					
5			7.4	2.40	9.80					
6			7.7	2.28	9.98					
7			8.6	1.97	10.57					
8			8.1	2.14	10.24					
9			8.9	1.90	10.80					
10			9.3	1.83	11.13					
11			9.5	1.83	11.33					
12			9.7	1.86	11.56					
13	9.9	9.95 10	10.0	2.02	11.97					
14	9.9	9.90 00	9.9	1.96	11.86					

Diff. Images

	Sc.1 Sc.2		Sc.1 Sc.2	Cu	Magn
1	8.5	8.50 00	8.5	-1.62	6.88
2	9.5	9.55 10	9.6	-1.60	7.95
2a	10.0	9.95 01	9.9	-1.40	8.55
3	〃		〃		

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Monday, January, 29, 1917

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Scale m mc 10550 N. G. C. 2301 b 40 ± 0.0 Add. corr +.02

	Sc.1	Sc.2	Cu	Magn	Sc.1 P. C.	Sc.2	Ref. for cluster Cu	Magn
a	4.1 3.9		4.00	8.10		9.9	-1.74	8.16
b	4.0 3.8		4.05	8.05		9.9	-1.74	8.16
c	5.4 5.2	5.35 0.2 5.3	3.30	8.65				
c'	6.0 5.8	6.15 0.2 6.3	2.92	9.07				
d		7.4	2.40	9.80				
d'		7.8	2.27	10.07				
d²		8.5	2.02	10.52				
e		8.8	1.94	10.74				
f		8.8	1.94	10.74				
g		9.1	1.86	10.96				
h		9.5	1.83	11.33				
k		9.9	1.95	11.85				
l		9.7	1.86	11.56				
m	9.90 9.9	9.9 0.0 9.9	1.95	11.85				
m'	9.80 9.8	9.8 0.0 9.8	1.93	11.73				
n		J						

Diff. Images

	g Sc.1	g Sc.2	h Sc.1	h Sc.2		
a	9.7	9.70 0.0	9.7		-1.54	8.16
b	9.8	9.75 0.1	9.7		-1.52	8.23

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Monday, January 29, 1917

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Scale m mc 10550 N.G.C. 2301 6 40 ± 00 Ref Seq.

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	Magn
α	B						8.8	-1.78	7.02
β	B						8.9	-1.78	7.12
1	5.3 (5.5)		3.23	8.73			10.0	-1.72	8.28
2	3.7 (3.9)		4.12	8.02			9.8	-1.76	8.04
3	5.8 (6.0)	6.05 01	6.1	2.95	9.00		Y		
3a	6.1 (6.3)	6.20 11	6.1	2.89	9.09				
4			7.5	2.37	9.87				
4a			8.1	2.14	10.24				
5			8.4	2.03	10.43				
6			8.2	2.11	10.31				
7			8.4	2.03	10.43				
8			9.1	1.87	10.97				
9			9.6	1.84	11.44				
10	9.9	9.85 10	9.8	1.93	11.78				
11	9.8	9.85 01	9.9	1.93	11.78				

Diff. Images

	Sc1	Sc2		Sc1	Sc2		
2	8.6	8.60 00		8.6	-1.64	6.96
β	8.7	8.70 00		8.7	-1.65	7.05
1	9.9	9.95 10		10.0	-1.40	8.55
2	9.5	9.50 00		9.5	-1.62	7.88
3	Y			Y		

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Scale m mc 1055 | V Aurigae $6^h\ 11^m\ 45^s$ +47.5 Abb. corr +.11

	Sc 1	Sc 2	Cu	magn	Sc 1 P. C.	Sc 2	Cu	magn
a	3.6 3.4		4.32	7,92		9.7	-1.76	7.94
b	4.7 4.5		3.65	8,35		10.0	-1.72	8.28
c	J.P.							
d	4.4 6.2	6.40 °° 6.4	2.80	9,20				
d'	6.9 6.7	6.90 °° 6.9	2.60	9,50				
e		7.6	2.33	9,93				
f		7.9	2.22	10,12				
g		8.6	1.98	10,58				
h		8.8	1.94	10,74				
k		8.9 8	1.90	10,80				
l		9.2	1.84	11,04				
m		9.4	1.81	11,21				
n		9.3	1.83	11,13				
o		9.9	1.95	11,85				
p	9.9	9.90 °° 9.9	1.95	11,85				
q	10.0	9.95 °·¹ 9.9	2.00	11,95				
r	10.0	10.00 °° 10.0	2.07	12,07	Diff. Images			
s	f	10.0	2.07	12,07	Sc 1 ^{g} Sc 2	^{h} Sc 1 Sc 2		
t		f			a 96p	9.55 °·¹ 9.5	-1.60	7,95
u		f			b 99	9.95 ²·⁰ 10.0	-1.40	8,55
w		f						

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Card.

Scale m MC 10551 SS Aurigae $6^h\ 11^m\ 45^s + 47.5$ Dec. 004+11

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
a	B						9.5	-1.77	7.73
b	3.7 3.5		4.26	7.96			9.8	-1.74	8.06
c	5.3 5.1	5.30.0	5.3	3.33	8.63		10.0	-1.72	8.28
d	6.7 6.5	6.65.0	6.6	2.70	9.35				
e		7.5		2.36	9.86				
f		7.9		2.13	10.13				
g		8.4		2.04	10.44				
h		8.6		1.98	10.58				
k		8.7		1.96	10.66				
l		8.5		2.02	10.52				
m		8.9		1.90	10.80				
n		9.2		1.84	11.04				
o		9.1		1.86	10.96				
p	9.6	9.65.01	9.7	1.85	11.50				
q	7		7						
r	9.7	9.70.0	9.7	1.86	11.56				

Diff. Images

	Sc.1	Sc.2	Sc.1	Sc.2		
a	9.3	9.30.0	9.4	9.4	-1.67	7.68
b	9.4	9.48.01	9.5	9.5	-1.65	7.80
c	9.9	9.95.0	10.0	10.0	-1.40	8.55

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Scalem mc 10552 N.G.C. 2323 $6^h\ 50^m\ 30^s$ -7.5 Alt corr -.05

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2		
a	B 3.9					8.4	-1.71	6.69
B	3.7		4.10	8,00		9.6	-1.77	7,83
1	6.0 5.8p		2.97	8,97		7		
2	5.6 5.4		3.18	8,78				
2a	6.7 6.5p		2.68	9,38				
3	7.0 6.8	6.95 01 6.9p	2.58	9,53				
4	7.1 6.9	7.00 11 6.9	2.57	9,57				
5		7.9	2.22	10,12				
5a		8.5	2.02	10,52				
b		8.4	2.04	16,44				
7		7.6	2.33	9,93				
8		8.8	1.94	10,74				
9		8.8	1.94	10,74				
10		9.9	1.95	11,85				
11		9.8	1.91	11,71				
12	9.8	9.80 00 9.8	1.91	11,71				
13	9.8	9.85 01 9.9	1.93	11,78				

Diff. Images

	Sc.1	Sc.2	Sc.1	Sc.2		
a	8.1	8.00 11	7.9		-1.47	6,53
B	9.6	9.65 01	9.7		-1.57	8,08
1	10.0		7		-1.37	8,63
2	9.9	9.90 00	9.9		-1.45	8,45

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Monday, January 29, 1917

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Scale m MC 10553 Pole

	Sc.1	Sc.2	Sc.1 P.C.	Sc.2
1			~~5.5~~ 5.3	~~5.6~~ 5.7
4				7.5
5	B			8.2
6	B			8.9
7	B 3.8			9.2
8	3.6			9.8
9	~~5.6~~ 5.4			4
10	~~5.9~~ 5.6			
11	7.0 6.8	6.95 01	6.9	
12	7.1 6.9	7.15 10	7.2	
13			7.8	
14			8.1	
15			8.7	
16			9.1	
17			9.2	
18			9.8	
19	9.9	9,90 00 10,00 00	9.9	
20	10.0		10.0	

Diff. Images

	g Sc.1	g Sc.2	h Sc.1	h Sc.2	
3	J.P.		J.P.		
4	7.1 6.9	7.10	J.P.		
5	7.7	7.65 10	7.6		
6	8.8	8.75 01	8.7		
7	9.2	9.25 01	9.3		12.50
8	9.5	9.55 10	9.6		
9	10.0	10.00 00	10.0		

See page 65

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Friday, February 2, 1917

Sheet no 355

11.45

Series mc 645

Scale m

MC 10553 Pole

	Sc.1	Sc.2	10553-9 p81	Sc.1	P.C.	Sc.2		
1				5.5 (5.7)	5.165 10	5.6	5.85	5.76 10 10 −1.31
4						7.5	7.7	7.60 11 −1.74
5	B					8.3	8.4	8.35 10 −1.92
6	B					9.1	9.1	9.10 00 −1.92
7	B					9.2	9.3	9.25 01 −1.79
8	3.7 (3.9)		4.1 4.00 11	4.03		9.7	9.7	9.70 00 −1.67
9	5.2 (5.4)		5.5 5.45 01	3.29		7	10.0	10.00 9 −1.26
10	5.5 (5.7)	5.70 00	5.7 6.00 5.85 15 15	3.83				
11	6.7 (6.9)	7.00 11	7.1 6.85 6.92 05 07	2.44				
12			7.3 7.3 7.30 00	2.38				
13			7.8 7.9 7.85 01	2.23				
14			8.3 8.4 8.35 10	1.89				
15			8.7 8.6 8.65 10	1.99				
16			9.1 8.9 9.00 11	1.94				
17			9.1 9.2 9.15 10	1.89				
18			9.7 9.7 9.70 00	1.86				
19	9.9 9.90 00	9.9	9.85 9.88 02 03	2.06				
20	10.0 10.00 00	10.0	9.95 9.98 02 03	2.21				

Diff. Images

	Sc.1	Sc.2		Sc.1	Sc.2	
1	J.P.		M.P.			
4	7.4	7.42 00	J.P.	7.0	7.20 23	−1.34
5	7.8	7.75 01	7.7	7.00	7.88 13 12	−1.45
6	8.7	8.70 00	8.7	8.80	8.75 05 05	−1.77
7	9.3	9.30 00	9.3	9.20	9.25 05 05	−1.79
8	9.6	9.65 01	9.7	9.53	9.60 05 05	−1.57
9	10.0	10.00 00	10.0	10.00	10.00 00 00	−1.36

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Friday, February 2, 1917

YELLOW

Scale m M C 10554 N.G.C 2422 7 30 10 − 12.5 D M

atticus: −.10

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2		
	3.6								
1	3.4 5.15		4.24	7,84			9.7	−1.66	8.04
2	5.3p	5.50 5.5p	3.25	8,75			9.9	−1.40	8,50
3	4.0 3.8		4.08	8,08			9.8	−1.50	8,30
4		8.1	2.05	10,15					
5		8,4	1.97	10,37					
6		8.9	1.91	10,81					
7		9.4	1.94	11,34					
8	9.8	9.75 01 9.7	2.00	11,75					
9	9.7	9.75 10 9.8	2.00	19.75					
10	9.9	9.90 00 9.9	2.06	11,96					
11	10.0	9.95 01 9.9	2.08	12,03					
12	9.8	9.80 00 9.8	2.03	11,83					
13	10.0	10.00 00 10.0	2.10	12,10					
14	9.9	9.90 00 9.9	2.06	11,96					
15	9.8	9.85 01 9.9	2.05	11,90					
16	10.0	9.95 01 9.9	2.08	12,03					
~~17~~									
~~18~~									
~~19~~									

Diff. Images

	Sc 1	& Sc 2	Sc 1	& Sc 2		
1	9.6	9.55 01	9.5	−1.60	7.95
2	10.0	10.00 00	10.0	−1.27	8,73
3	9.7	9.65 10	9.6	−1.56	8,09

For Relativ Magnitudes of Sequence for Cluster, reduced to scale of abs magnitudes, see Lo 5: 207, 208.

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Friday, February 2, 1917

Scale m 61. mC10555 Dm 7 10 +2.5 aet. cor +.01

	Sc.1	Sc.2	Cir	Magn	Sc.1	P.C.	Sc.2		
1	5.5 (5.7)		3.14	8.84			10.0	-1.25	8.75
2	5.9 (6.1)		2.90	9.00					
3	6.7 (6.9)	6.90 00	6.9	2.45	9.35				
4			7.9	2.08	9.98				
5	6.7 (6.9)	6.85 10	6.8	2.46	9.33				
6			8.5	1.96	10.46				
7			8.8	1.92	10.72				
8			8.9	1.91	10.81				
9			9.1	1.91	11.01				
10			9.9	2.06	11.96				
11			9.6	1.97	11.57				
12			9.9	2.06	11.96				
13			10.0	2.12	12.12				
14	9.7	9.70 00	9.7	1.99	11.69				
15	10.0	10.00	10.0	2.12	12.12				

Diff. Images

	Sc.1	Sc.2	Sc.1	Sc.2		
1	10.0	10.00 00	10.0		-1.27	8.73
2	10.0	10.00 00	10.0		-1.27	8.73

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Scale m MC 10555 RR Monoc. 7 10 +2.5 alt. corr +.01

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2		
a	4.8 (5.10)		3.54	8.54			10.0	-1.25	8.75
b	5.5 (5.17)	5.70 00	5.7	3.13	8.83				
c	5.3 (5.55)	5.55 10	5.6	3.22	8.77		10.0	-1.25	8.75
d		7.8	2.12	9.92					
e		7.6	2.16	9.78					
f		7.9	2.09	9.99					
g		8.5	1.96	10.46					
h		8.5	1.96	10.46					
k		8.1	2.04	10.14					
l		9.1	1.91	11.01					
m		9.1	1.91	11.01					
n		9.8	2.03	11.83					
o		9.8	2.03	11.83					
o'		9.8	2.03	11.83					
o^2		9.9	2.06	11.96					
p		9.9	2.06	11.96					
q	9.7	9.65 10 9.6	1.98	11.63					
r	9.9	9.95 10 10.0	2.08	12.03					
s	10.0	10.00 00 10.0	2.12	12.12					

Diff. Images

	Sc1	Sc2	Sc1	Sc2		
a	10.0	9.90 01	9.9	-1.36	7.54	
b	10.0	10.00 00	10.0	-1.27	8.73	
c	9.9	9.90 00	9.9	-1.36	7.54	

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Scale m MC10556 Iris 1904 $7^h 9^m 50^s$ +17.5 alt. corr +.07

	Sc.1	Sc.2	Cu	magn	Sc.1	P. C.	Sc.2		
2	B 3.9						9.8	-1.50	8.30
1	3.7		4.12	8,02			10.0	-1.25	8.75
2	3.6 3.8		4.15	7,95			9,8	-1.50	8.30
3	5.3 5.15		3.25	8.75			J		
4	5.6 5.8		3.07	8,87					
5	5.1 5.3		3.37	8,67			10.0	-1.25	8.75
6	6.9 7.1	7.15 10	7.2	2.34	9,49.				
6a			7.4	2.25	9,65				
6b			8.1	2.05	10,15				
7	6.2 6.4	6.45 01	6.5	2.70	9,15				
8			8.5	1.96	10,46				
9			9.1	1.91	11,01				
10			9.1	1.91	11,01				
11	9.3	9.30 00	9.2 3	1.93	11,23				
12	9.7	9.25 10	9.8	2.00	11.75				

Diff. Images

	Sc1 g	Sc2	Sc1 R	Sc2		
2	9.3	9.30 00	9.3		-1.70	7,60
1	9.8	9.85 01	9.9		-1.44	8,41
2	9.5	9.60 11	9.7		-1.58	8,02
3	9.9	9.90 10	10.0		-1.36	7,54
4	10.0	10.00	J		-1.27	8,13
5	9.8	9.90 11	10.0		-1.36	7.54

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78

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Scale m MC 10557 R R Gemini 7h 19m 20s +30 Oct. corr +.09

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2		
	4.9								
α	4.7		3.60	8,50			9.9	-1.40	8,50
β	6.7 6.5	6.60 11	6.5	2,60	9,20		7		
γ	6.9 6.7	6.80 11	6.7	2,50	9,30				
a			7.8	2.12	9,92				
b			8.1	2.03	10,13				
c			8.8	1.92	10.72				
c'			8.1	2.03	10,13				
d			9.1	1.91	11.01				
d'			9.8	2.02	11,82				
e	9.3	9.35 10	9.4	1.93	11,28				
e'	9.9	9.95 10	10.0	2.08	12,03				

Diff. Images

	Sc 1 9	Sc 2	Sc 1	Sc 2		
α	9.9	9.90 00	9.9		-1.36	7,54
β	7		7			

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Friday, February 2, 1917

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Scale m MC 10557 51 K $7^h\ 19^m\ 20^s$ +30 0 alt. corr +.09

	Sc.1	Sc.2	Cu mags	Sc.1	P.C.	Sc.2		
α	B					8.6	-1.92	6.68
β	4.7 4.5p		3.70		8.40	9.9	-1.40	8.50
γ	B					9.4	-1.83	7.57
δ	3.9 3.7		4.12		8.02	9.8	-1.50	8.30
ε	B					8.9	-1.92	6.98
1	7.1 6.9	7.15 +0	7.2	2.34	9.49			
2	7.1 6.9	7.20 +1	7.3	2.33	9.53			
3			7.8	2.12	9.92			
4			8.2	2.02	10.22			
5			8.5	1.96	10.46			
6			8.8	1.91	10.71			
7			8.8	1.91	10.71			
8			9.5	1.96	11.46			
8a			9.5	1.96	11.46			
9	9.8	9.9 9.85 +01	9.9	2.03	11.88			
10	9.9	9.9 9.70 +00	9.9	2.06	11.96			

Diff. Images

	Sc.1 g	Sc.2	Sc.1 h	Sc.2		
α	8.4	8.45 +01	8.5		-1.65	6.80
β	9.7	9.75 +0	9.8		-1.47	8.28
γ	9.3	9.25 +0	9.2		-1.71	7.54
δ	9.5	9.55 +0	9.6		-1.60	7.95
ε	8.5	8.50 +00	8.5		-1.66	6.84

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Scale m MC 10558 Eunomia 1905 8h 30m 20s +12.5 Ast. corr +.08

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2		
2	B 3.9						9.1	-1.92	7.18
1	3.7		4.12	8.02			9.5	-1.78	7.72
2	4.5 4.7		3.70	8.40			9.9	-1.40	8.50
3	5.5 5.7		3.14	8.84			9.9	-1.40	8.50
3a	6.2 6.4		2.73	9.13			7		
4	4.9 5.1 6.9	5.20 1	5.3	3.44	8.64		9.9	-1.40	8.50
5	6.7	6.80 1½	6.7	2.50	9.30				
6			7.4	2.25	9.65				
7	6.5 6.7	6.70 0c	6.7	2.55	9.25				
8			8.3	2.00	10.30				
9			8.6	1.94	10.54				
10			8.4	1.98	10.38				
11			8.7	1.93	10.63				
11a			8.8	1.92	10.72				
12			8.9	1.91	10.81				
12a	9.7	9.70 00	9.7	1.99	11.69				
12b	9.9	9.90 00	9.9	2.06	11.96				

Diff. Images

	9 Sc 1	Sc 2	2h Sc 1	Sc 2		
2	8.9	8.85 10	8.8		-1.72	7.13
1	9.5	9.50 00	9.5		-1.63	7.87
2	9.7	9.75 10	9.8		-1.47	8.28
3	9.9	9.90 00	9.9		-1.36	8.54
3a	10.0	10.00 00	10.0		-1.27	8.73
4	9.8	9.75 02	9.7		-1.47	8.28

Very poor images
fogged

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Friday, February 2, 1917

Scale m MC 10559 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	B	
8	3.9 (4.1)	
9	5.3 (5.5)	
10	5.7 (5.9)	4.00 11 6.1
11	6.6 (6.8)	6.85 01 6.9
12		7.3
13		7.9
14		8.4
15		8.6
16		8.9
17		9.2
18		9.7
19	9.8	9.85 01 9.9
20	9.9	9.95 10 10.0

Sc.1	P.C.	Sc.2
5.7 (5.9)	5.85 10	5.8
		7.7
		8.4
		9.1
		9.3
		9.7
		10.0

g Diff: Imagesh

	Sc.1	Sc.2		Sc.1	Sc.2
1	J.P			J.P	
4	6.8 (7.0)			J.P.	
5	8.1	8.00 11	7.9		
6	8.8	8.80 00	8.8		
7	9.3	9.20 11	9.1		
8	9.5	9.55 10	9.6		
9	10.0	10.00 00	10.0		

1.°45

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YELLOW

Monday, February 5, 1917

12.15

mc Series 678

Scale m

mc 11026 Pole

	Sc 1	Sc 2	Second measure of same plate ↓ P88	Sc 1	P.C.	Sc 2
5	B					8.7 9.2 8.95^{32}
6	B					9.9 9.9 9.90^{00}
7	3.6 3.4		3.9	$3.75^{\pm 1}$		J
8	5.7 5.5	5.60^{11} 5.5	5.55	5.58^{0203}		
9	6.9 6.7	6.90^{00} 6.9	6.95	6.92^{0203}		
10		7.4	7.3	7.35^{01}		
11		7.8	81	$7.95^{\pm 1}$		
12		8.4	8.6	$8.50^{\pm 1}$		
13		8.9	9.1	$9.00^{\pm 1}$		
14		9.4	9.5	9.45^{01}		
15	$9.8^{9.75^{01}}$	9.7	9.80	9.78^{0302}		
16	$9.9^{9.90^{00}}$	9.9	9.90	9.90^{0000}		
17		J				
18						
19						
20						

Diff. Images

	g Sc 1	g Sc 2		h Sc 1	h Sc 2	
5	9.2	9.20^{00}		9.2	9.25	9.22^{0203}
6	9.6	9.65^{01}		9.7	9.65	9.65^{0000}
7	9.9	9.90^{00}		9.9	9.85	9.88^{0203}

See page 87

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Card.

Scale m mc11027 C9 17 00 +15.0 Cat corr +.09

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
1	3.9 3.7		.				10.0	-2.84	7.16
2	3.7 3.5		.				9.7	-2.80	6.90
3	B						9.6	-2.78	6.82
3a	4.1 3.9		3.27	7.37			J		
4	B						J.P		
5	4.6 4.4		3.09	7.69					
6	5.6 5.4		2.57	8.17					
6a	5.0 4.8		2.90	7.90					
7	4.8 4.6	4.75 01	4.7 3.00	7.75					
8	6.8 6.6	6.80 00	6.8 1.92	8.72					
8a			7.6 1.47	9.07					
9			8.5 1.08	9.58					
10			9.2 0.93	10.13					
11			7.4 1.57	8.97					
12			8.4 1.13	9.53					
13			8.7 1.03	9.73					
14	9.6	9.50 11	9.4 0.90	10.40					
15	9.3	9.25 10	9.2 0.93	10.18					
16			n.s						

Diff. Images

	g Sc 1	g Sc 2	h Sc 1	h Sc 2		
1	9.8	9.85 01	9.9		-2.56	7.29
2	9.7	9.70 00	9.7		-2.57	7.13
3	9.1	9.15 10	9.2		-2.57	6.58
3a	10.0	10.00 00	10.0		-2.53	7.47
4	9.6	9.65 01	9.7		-2.58	7.07
5	J		J			

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Monday, ~~January~~ February 5, 1917

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Card.

Scale m mc 11028 B7 17 19 20 +45.0 Attcorr +.12

	Sc 1	Sc 2			Sc 1	P.C.	Sc 2	Cor	Magn
1	B						9.3	-2.68	6.62
2	4.8 4.6		2.98	7.78			10.0	-2.84	7.16
3	B						8.4	.	.
4	3.6 3.4 p		.	.			9.7	-2.80	6.90
5	3.5 3.3 p		.	.			9.9	-2.83	7.07
6	M.P.						10.0	-2.84	7.16
7	4.9 4.7		2.96	7.86			7	.	.
8	B						9.7	-2.80	6.90
9	3.9 3.7		.	.			10.0	-2.84	7.16
10	6.3 6.1		2.20	8.50					
11	5.9 5.7		2.42	8.32					
12	5.5 5.3		2.64	8.14					
13	4.9 4.7	5.05 12 5.2	2.87	7.92					
14		7.6	1.47	9.07					
15	7.1 6.9	7.25 12 7.4	1.70	8.95					
16		8.6	1.06	9.66					
17		9.1	0.95	10.05	Diff. Images				
18		8.8	1.01	9.81 c	Sc 1 g	Sc 2	Sc 1 h	Sc 2	
19		8.1	1.24	9.34 1	8.9	8.85 10	8.8	-2.50	6.35
20		8.7	1.04	9.74 2	10.0	10.00 00	10.0	-2.53	7.47
21		9.4	0.91	10.31 3	7.4	7.45 01	7.5	.	.
22		9.3	0.93	10.23 4	9.7	9.75 10	9.8	-2.57	7.18
23	9.7 9.65 10	9.6	0.90	10.55 5	9.7	9.75 10	9.8	-2.57	7.18
24		f		6	10.0	10.0 00	7	-2.53	7.47
25	10.0 9.96 01	9.9	1.10	11.05 7	7		7		.
26		h.s.		8	9.4	9.45 01	9.5	-2.58	6.87
				9	10.0	9.95 01	9.9	-2.53	7.42

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Card.

Scale m mc 11029 Poor Scint. Sob. 18 50 −2.5 Alt cor +.02

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2	Cu	magn
1	B						8.8	−2.46	6.34
2	B						8.8	−2.46	6.34
3	B						9.8	−2.82	6.98
4	4.0 3.8						10.0	−2.84	7.16
5	5.7 5.5		2.52	8.22					
6	6.6 6.4	6.60°	6.6	2.04	8.64				
7			7.4	1.58	8.98				
8	5.9 5.7	5.80″	5.7	2.47	8.27				
9			7.7	1.44	9.14				
10			7.4	1.58	8.98				
11			7.4	1.58	8.98				
12			8.5	1.08	9.58				
13			9.2	0.93	10.13				
14	9.7	9.70°	9.7	0.90	10.60				
15	9.9	9.90°	9.9	1.05	10.95				
16			7						
17			n.s						

Diff. Images

	Sc.1 g	Sc.2	Sc.1 h	Sc.2		
1	8.5	8.50°	8.5			
2	8.4	8.45°	8.5			
3	9.4	9.40°	9.4		−2.58	6.82
4	10.0	10.00°	10.0		−2.53	7.47

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Card.

Scale m MC 11030 D10 19 00 30 −15.0 Alt cor −.1

	Sc 1		Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
1	Bp							9.8	−2.82	6.98
2	B							8.9	−2.50	6.40
3	JP							JP	.	.
4	4.9 4.7			2.96	7.86			J	.	.
5	5.7 5.5			2.52	8.22					
6	6.6 6.4			2.04	8.64					
7	5.8 5.6			2.48	8.28					
8	7.0 6.8			1.83	8.83					
9			7.8	1.38	9.18					
10	4.0 3.8			.	.			9.8	−2.82	6.98
11	4.0 3.8			.	.			10.0	−2.84	7.16
12			7.4	1.58	8.98					
13	5.1 4.9			2.85	7.95					
14	4.9 4.7	5.00 +1	5.1	2.90	7.90					
15			9.7	0.92	10.62					
16	5.8 5.6	5.75 01	5.7	2.50	6.25					
17			9.5	0.90	10.40					
18	6.9 6.7	6.90 00	6.9	1.87	8.77					
19			9.8	0.95	10.75 1	9.5	9.60 +1	9.7	2.68	7.02
20			9 8.7	0.92 ~~1.04~~	10.62 ~~9.74~~ 2	8.6	8.60 00	8.6	−2.48	6.12
21			9.2	0.93	10.13 3	JP		JP		.
22			9.7	0.92	10.62 4	9.9	9.95 +10	10.0	−2.53	7.42
23			8.8	1.01	9.81 10	9.8	9.80 00	9.8	−2.56	7.24
24			9.9	1.05	10.95 11	9.8	9.85 01	9.9	−2.56	7.29
25			n.s.							
26		8.9 9.00 +1	9.1	0.98	9.98					
27		9.6 9.55 01	9.5	0.90	10.45					

Diff. Images

	Sc 1	Sc 2	Sc 1 Sc 2
1	9	h	

Remeas by Q. July 9, '17

star 19 9.6+ 20 9.+ 21 8.9

Was wrong star meas. + recorded for star 20? Not possibly 8.7

Assume mv. unit Per H.S.C. J

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Monday, February 5, 1917

YELLOW

Sheet no 355

Scalem mc11031 Pole

	Sc.1		Sc.2	mean of two exposures of 11026 p82+88		
5	B					
6	B					
7	~~7~~ P. 4.9 4.7p			3.75	4.32 (55 57)	3.14
8	4.7 4.5			5.58	5.14 (44 44)	2.89
9	6.5 6.3	6.45 (10)	6.4	6.94 (2)	6.68 (33 34)	2.06
10	7.1 6.9	7.10 (00)	7.1	7.35	7.22 (12 13)	1.66
11			8.4	7.95	8.18 (22 23)	1.18
12			8.5	8.50	8.50 (00 00)	1.08
13			9.1	9.00	9.05 (05 05)	1.03
14			9.3	9.45	9.38 (08 07)	0.86
15			9.7	9.78	9.74 (04 04)	0.90
16	9.8 (9.85 01)	9.9		9.90	9.88 (03 02)	1.06
17	9.9 (9.90 00)	9.9		·	9.90 (0)	1.14
18		~~7~~				
19						
20						

	Sc.1	P.C.	Sc.2			
			8.8	8.95	8.88 (05 07)	−2.45
			9.8	9.90	9.85 (05 05)	−0.87
			~~7~~			

Diff. Images

	Sc1	Sc2		Sc1 − Sc2		
5	8.7	8.70 (00)	8.7	9.22	8.96 (26 26)	−2.53
6	9.7	9.70 (00)	9.7	9.65	9.68 (02 02)	−2.70
7	~~7~~		~~7~~	9.85	9.88 (0)	−2.42

1.45

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88

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1.50

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Salem MC 11026 Pole

	Sc 1		Sc 2	Diff from first measure	Sc 1 P.C.	Sc 2	
5	B					9.2	+0.50
6	B					9.9	0.00
7	3.9 3.7			+0.30		7	
8	5.5 5.3	5.56 10	5.6	−0.05			
9	7.0 6.8	6.95 01	6.9	+0.05			
10			7.3	−0.10			
11			8.1	+0.30			
12			8.6	+0.20			
13			9.1	+0.20			
14			9.5	+0.10			
15	9.8	9.80 00	9.8	+0.05			
16	9.9	9.90 00	9.9	0.00			
17			7				

$\frac{120 - 15}{10}$ +0.10

Diff Images

	Sc 1	9 Sc 2		Sc 1	8 Sc 2	
5	9.2	9.25 01		9.3		+0.05
6	9.6	9.65 01		9.7		0.00
7	9.9	9.85 10		9.8		+0.05

1.55

Snowing very hard at finish and as pole plates seemed discordant, remeasured 11026 to discover whether the plates or the weather was at fault. Assume the plates to be discordant

H.S.L.

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Wednesday, February 7, 1917

YELLOW

Sheet no 356

1.55

mc Series 678

Scale m mc 11031 Pole

	Sc 1	Sc 2	11037 p99			Sc 1	P.C.	Sc 2			
5	B							8.9	8.9	8.90^{00}	-2.47
6	B							9.8	10.0	9.90$^{\pm 1}$	-2.92
7	4.9 4.7		4.9	4.90^{00}	2.56			M			
8	4.9 4.7		4.8	4.86^{10}	3.18						
9	6.5 6.3	6.40^{11}	6.3	6.35	6.38$^{02\,03}$	2.36					
10	6.9 6.7	6.85^{10}	6.8	6.90	6.88$^{03\,02}$	2.00					
11		8.4		8.4	8.40^{00}	0.96					
12		8.4		8.6	8.50^{11}	1.08					
13		9.2		9.3	9.25^{01}	0.83					
14		9.3		9.4	9.35^{10}	0.89					
15		9.5		9.6	9.65^{12}	0.99					
16	9.8	9.80^{00} 9.8		9.90	9.85$^{05\,05}$	1.09					
17	9.9	9.90^{00} 9.9		9.95	9.92$^{03\,03}$	1.12					
18		M									

Diff. Images

	Sc 1 & Sc 2		Sc 1 & Sc 2			
5	8.7	8.70^{00}	8.7	8.70	8.70^{00}	-2.29
6	9.6	9.65^{01}	9.7	9.60	9.62$^{03\,02}$	-2.64
7	M		M	10.0$^{\pm}$	10.0$^{\pm}$	-2.54

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Wednesday, February 7, 1917

Copied 13 21:60

Cancel

Scale m MC 11032 R Aquilae 19 10 +7.5 Act. corr +.09

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
a	B						9.3	-2.64	6.66
b	5.3 (5.5)	5.50 ..	5.5	2.65			10.0	-2.73	7.27
b'			7.7	1.37			10.0	-2.73	7.27
b2	5.4 (5.6)	5.65 01	5.7	2.60			M		
c			7.8	1.32					
d			7.8	1.32					
d'			8.4	1.03					
e			8.3	1.08					
f			8.6	0.98					
g			8.7	0.96					
h			8.7	0.96					
k			9.2	0.88					
l			9.3	0.90					
l'			9.3	0.90					
m			9.7	1.00					
n	9.8	9.75 01	9.7	1.02					
o	10.0	9.95 02	9.9	1.10					
p			M						

Diff. Images

	Sc 1 Sc 2		Sc 1 Sc 2		
a	9 8.6	9.55 02	9.5	-2.55	7.00
b	9 9	9.90		-2.56	7 6.34
b2	10.0	10.00 ..	10.0	-2.56	7.44

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Wednesday, February 7, 1917

YELLOW

Cand

Scale m mc 11032 R Aquilae 19 10 +7.5 Aitken +67

	Sc.1	Sc.2	Cr	magn	Sc.1	P.C.	Sc.2	Ref. Cr	Ref. magn
1	3.5 (3.7)						9.8	−2.72	7.08
2	4.7 (4.9)		2.88	7,78			7		
3	4.8 (5.0)		2.87	7,87					
4	5.7 (5.9)		2.48	8,38					
5	6.7 (6.9)		1.92	8,82					
6	6.2 (6.4)		2.24	8,64					
7	5.7 (5.9)	5,80 11	5.7	2.52	8,32				
8	6.7 (6.9)	6.80 11	6.7	2,00	8,80				
8a			8.1	1.14	9,24				
9			8.3	1.07	9,37				
9a			8.6	0.98	9,58				
10			8.9	0.92	9,82				
11			8.6	0.98	9,58				
12			8.9	0.92	9,82				
13			9.4	0.90	10,30				
14	9.4 (9.45 01)		9.5	0.91	10,36				
15	9.8 (9.80 00)		9.8	1.04	10.84				

Diff. Images

	Sc.1	Sc.2	Cr	Sc.1	Sc.2	Cr	magn
1	9.6	9.65 01	9.7			−2.56	7.09
2	9.9	9.95 10	10.0			−2.56	7.39
3	J.P.	10.00 00	10.0			−2.56	7.44
4	7		7				

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Scale m — mc11033 Z Sagittarii — 19h 13m 20s — -21.1' Alt cor -.2

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2
	H.4						
a	4.2	4.45 01	4.5	3.10e	7.55e		J
	6.4						
a	6.2	6.35 02	6.3	2.26	8.64		
b			7.4	1.58	8.98		
b'			7.9	1.26	9.16		
c			8.8	0.94	9.74		
d			8.9	0.92	9.82		
e			9.8	1.04	10.84		
f			9.5	0.95	10.45		
g			9.9	1.10	11.00		
h			9.9	1.10	11.00		
k		10.00 00	10.0	1.15	11.15		
l	10.0	10.00 00	10.0	1.15	11.15		
m	J	J					
n							

Diff. Images

	Sc1	Sc2		Sc1	Sc2		
a	10.0	10.00 00		10.0	-2.56		7.44

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Scale m mc 11034 T T Lyrae $19^h 24^m 20^s$ $+42.5^\circ$ Alt cor +.13

	Sc.1		Sc.2	In	Magn	Sc.1	P.C.	Sc.2		
	3.9									
α	3.7			·	·			10.0	-2.74	7.26
	4.9									
β	4.7			2.88	7.78			F		
	4.6									
γ	4.4			3.02	7.62			F		
	6.1									
a	5.9			2.38	8.48					
	6.0									
b	5.8	6.05	01	6.1	2.40	8.45				
	5.9									
c	5.7	6.00	11	6.1	2.42	8.42				
	6.6									
μ	6.4	6.50	11	6.4	2.18	8.68				
d				8.1	1.15	9.25				
e				7.7	1.37	9.07				
f				7.7	1.37	9.07				
g				8.6	0.98	9.58				
h				8.6	0.98	9.58				
h'				8.9	0.92	9.82				
k				9.3	0.90	10.20				
l				8.4	1.03	9.43				
m				9.9	1.10	11.00				
n				9.9	1.10	11.00	Diff. Images			
o				9.8	1.05	10.85	g Sc1	Sc2	h Sc1	Sc2
	9.90									
p	9.9	9.90	00	9.9	1.10	11.00	α	9.9	9.80 11	9.7	-2.56	7.24
	10.00									
q	10.0	10.00	00	10.0	1.15	11.15	β	10.0	10.00 00	10.0	-2.56	7.44
							γ	9.9	9.90 00	9.9	-2.56	7.34

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Scale m MC 11034 R R Lyrae 19h 24m 20s +42.5° Alt. cor +.13

	Sc 1	Sc 2	Cir	Magn	Sc 1	P.C.	Sc 2		
a	B		.	.			8.7 ~~00~~	−2.51	6.19
a'	3.8 3.6		.	.			9.8	−2.72	7.08
b	B		.	.			9.8	−2.72	7.08
same as d	c		.	.					
d	4.5 4.3	4.50 ±0	4.5	3.06	7.56		f		
e	6.0 5.8	6.15 ±1	6.3	2.35	8.50				
e'			7.7	1.38	9.08				
e²			7.7	1.38	9.08				
f			8.4	1.04	9.44				
g			8.8	0.94	9.74				
g'			9.2	0.90	10.10				
h			8.5	1.01	9.51				
k	9.8	9.75 ±1	9.7	1.04	10.79				
l	9.9	9.95 ±0	10.0	1.12	11.07				

Diff. Images

	Sc 1	Sc 2	Sc 1	Sc 2		
a	7.9	7.85 ±0	7.8	.	.	
a'	9.3	9.40 ±1	9.5	−2.55	6.85	
b	9.4	9.50 ±1	9.6	−2.55	6.95	
d	10.0	10.00 ±0	10.0	−2.56	7.44	

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Scale m mc 11035 a_3 $19^h 58^m 30^s$ $+75.^\circ 0$ alt corr +.05

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Sc.2		
1	off plate								
2	" "								
3	4.6 4.4		3.02	7.62			10.0	-2.73	7.27
4	B						9.7	-2.70	7.00
5	B						9.1	-2.60	6.50
6	5.5 5.3		2.65	8.13			7		
6a	5.8 5.6		2.52	8.32					
7	5.8 5.6						10.0	-2.73	7.27
8	6.9 6.7	6.90 00 6.9	1.93	8.83					
9		7.3	1.65	8.95					
10	6.9 6.7	6.85 10 6.8	1.98	8.83					
11	7.0 6.8	7.05 01 7.1	1.82	8.87					
12		8.2	1.11	9.31					
13		7.7	1.38	9.08					
14		8.5	1.00	9.50					
15		8.8	0.94	9.74					
16		8.4	1.04	9.44	Diff. Images				
17		9.4	0.90	10.30	Sc 1 Sc 2		Sc 1 Sc 2		
18		9.8	1.05	10.85 3	9.9	9.95 10	10.0	-2.56	7.39
19		9.8	1.05	10.85 4	9.4	9.35 01	9.3	-2.55	6.80
20		9.4	0.90	10.30 5	8.4	8.40 00	8.4	-2.45	5.85
21	10.0 10.00 00	10.0	1.15	11.15 6	7		7	—	
22	10.0 10.00 00	10.0	1.15	11.15 7	9.8	9.85 00	9.9	2.56	7.29

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Scale m MC 11036 B8 19h 59m 00s +45.0 acc. corr +.13

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
1	J. P.								
2	5.1 4.9		2.81	7.91			J		
3	3.9 3.7		.	.			10.0	−2.73	7.27
4	5.6 5.4		2.62	8.22					
5	5.1 4.9		2.81	7.91					
6	5.0 4.8		2.87	7.87					
7	6.7 6.5		2.06	8.76					
8	6.9 6.7		1.93	8.82					
9	6.9 6.1	6.25 10 6.2	2.32	8.57					
10	6.6 6.4	6.50 11 6.4	2.18	8.68					
11		7.8	1.31	9.11					
12		7.9	1.25	9.15					
13		8.3	1.07	9.37					
14		8.6	0.98	9.58					
15		8.7	0.97	9.67					
16		8.8	0.94	9.74					
17		9.3	0.90	10.20	Diff. Images				
18	9.80 00 1 9.8	9.8	1.05	10.85	9h Sc1	Sc2	9h Sc1	Sc2	
19	9.15 01 9.2	9.1	0.90	10.052	10.0	10.00 00	10.0	−2.56	7.44
20	9.55 10 9.5	9.6	0.96	10.51 3	9.8	9.80 00	9.8	−2.56	7.24
21	J			4	10.0	10.00 00	10.0	−2.56	7.44
				5	10.0	10.00 00	10.0	−2.56	744
				6	J	10.00 00	10.0	−2.56	744

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Wednesday, February 7, 1917

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Scale m MC 11037 Pole

	Sc.1		Sc.2
5	B		
6	B		
7	4.9 4.7		
8	4.8 4.6		
9	6.4 6.2	6.35 01	6.3
10	6.9 6.7	6.90 00	6.9
11			8.4
12			8.6
13			9.3
14			9.4
15			9.8
16	9.9	9.90 00	9.9
17	10.0	9.95 01	9.9
18			

	Sc.1	P.C.	Sc.2
			8.9
			10.0
			下

Diff. Images

	Sc.1 & Sc.2		Sc.1 & Sc.2
5	8.7	8.70 00	8.7
6	9.5	9.60 01	9.7
7	10.0	10.00 02	下

See page 89

4.05

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Shutter no 357

12.55

Series mc642

Scale m

MC10511 Pole

	Sc 1		Sc 2	10517 P107		Sc 1	P.C.	Sc 2		
4								6.65	6.65	-2.21
5	B							7.9	7.9	-2.04
6	B							8.8	8.65	2.22
7	3.7 3.5			3.8	3.75	3.71		9.5	9.35	-2.37
8	4.7 4.5			4.7	4.70	3.33		9.8	9.65	-2.19
9	6.1 5.9	6.20	6.3	6.30	6.25	2.49		10.0	10.0	-1.97
10	6.6 6.4	6.60	6.6	6.60	6.60	2.28				
11			7.4	7.6	7.50	1.86				
12			7.6	7.8	7.70	1.88				
13			8.5	8.6	8.55	1.53				
14			8.8	8.7	8.75	1.49				
15			9.1	9.3	9.20	1.44				
16			9.5	9.6	9.55	1.39				
17			9.5	9.65	9.58	1.46				
18		9.95	9.9	9.95		1.61				
19	10.1	9.95	9.9	10.0	9.98	1.96				
20			MJ							

Diff. Images

	Sc 1 9h	Sc 2		Sc 1 9h	Sc 2		
4	~~8.7~~ 7.9 p.	7.9		J.P.	7.7	7.80	-1.94
5	8.4	8.40		8.4	8.65	8.52	-2.09
6	9.2	9.15		9.1	9.30	9.22	-2.24
7	9.6	9.55		9.5	9.60	9.58	-2.12
8	9.9	9.90		9.9	10.0	9.95	-1.92

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Scale m Mc 10512 N.G.C. 2422 7 30 - 12.5 Qtz. cor -.07

		Sc.1	Sc.2		Cu	Magn	Sc.1	P.C.	Sc.2			
α	off plate											
β	5.9 5.7				2.66	8.56						
γ	6.9 6.7	6.90	00	6.9	2.15	9.05						
δ				8.1	1.68	9.78						
1	B								8.1		-2.23	5.87
2	B								Superposed			
3	B								9.1		-2.28	6.82
4	B								9.1		-2.28	6.82
5	B								9.6		-2.18	7.42
6	J.P.								Superposed			
7	3.4 3.4				3.83	7.43			10.0		-1.98	8.02
8	3.8 4.0				3.67	7.67			9.8		-2.10	7.70
9	4.5 4.7				3.33	8.03			↓			
10	5.4 5.6				2.82	8.42						
11	6.3 6.5	6.45	10	6.4	2.36	8.81						
12	4.5 4.7	4.75	10	4.8	~~2.30~~ 3	~~7.05~~ 8						
13				7.9	1.75	9.65	Diff. Images					
14				8.7	1.50	10.20	Sc.1	9 Sc.2		Sc.1	Sc.2	
15				7.7	1.80	9.50 1	7.3	7.35	00	7.4	.	.
16	6.8 7.0	6.90	11	6.8	2.15	9.05 2	J.P			J.P.	.	.
17				8.7	1.50	10.20 3	9.1	9.00	11	8.9	-2.18	6.82
18				9.4	1.43	10.83 4	8.7	8.70	00	8.7	-2.16	6.54
19				9.1	1.42	10.52 5	9.3	9.30	00	9.3	-2.18	7.12
20				9.7	1.50	11.20 6	J.P			J.P.	.	.
21	Not seen Mag star			9.5	1.45	~~10.95~~ 7	9.8	9.75	01	9.7	-2.10	7.65
22				↓		8	9.9	9.85	10	9.8	-2.06	7.79
						9	10.0	10.00	00	10.0	.	.

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YELLOW

Scale m mc10512 Dm 7 30 −12.5 Obs. cour −07

	Sc.1		Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
1	4.1 3.9			3.65	7,75			9.9	−2.05	7,85
2	6.0 5.8	6.10 11	6.2	2.55	8,65					
3	4.9 4.7	4.80 11	4.7	3.27	8,07					
4			8.7	1.50	10,20					
5			9.2	1.42	10,62					
6			9.7	1,50	11,20					
7		9.95 01 10.0	9.9	1.72	11,67					
9		9.95 01 10.0	9.9	1.72	11,67					
15		10.00 00 10.0	10.0	1.77	11,77					

Diff. Images

	3 Sc.1	3 Sc.2	2 Sc.1	2 Sc.2		
1	9.9	9.90 00	9.9		−2.00	7.90
3	9.9	9.95 10	10.0		−1.98	7.97

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Scale m mc 10513 RR Gemin. $*7^h 19^m 50^s +30^\circ$ Att. corr. +.11

	Sc. 1	Sc. 2	Re	Magn
a	5.4 (5.6)		2.82	8,42
B	6.7 (6.9)	7.00 11	7.1	2.09	9,09
γ		7.6	1.85	9,45
a		8.3	1.62	9,92
b		8.7	1.50	10,20
c		~~8.6~~ 9.2	1.41	10,61
c'		8.6	1.52	10,12
d		9.7	1.50	11,20
d'		10.0 10.00 00	1.77	11,77
e		9.9 9.90 °	1.70	11,60
e'		~~79.6~~		

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Monday, February 12, 1917

YELLOW

Scale m MC 10513 51 K $7^h\ 19^m\ 50^s + 30.0$ Alt. corr +.11

	Sc 1	Sc 2	Cu	magn	Sc 1	P.C.	Sc 2		
α	B						9.2	−2.27	6,93
β	5.4 5.2		2.93	8,33			7		
γ	3.8 3.6		3.75	7,55			9.8	−2.10	7,70
δ	4.5 4.3	4.50 00	4.5	3.43	7,93		7		
ε	B						9.2	−2.27	6.93
1		7.7		1,80	9,50				
2		7.9		1.75	9,65				
3		8.7		1.50	10,20				
4		8.8		1.47	10,27				
5		9.1		1.42	10,52				
6		9.3		1.42	10,72				
7		9.3		1.42	10,72				
8	9.9 9.85	9.8		1.60	11,45				
8a	10.0 10.00	10.0		1.77	11,77				

Diff. Images

	Sc 1 9 Sc 2		Sc 1 h Sc 2		
α	9.4	9.25 21	9.1	−2.18	7,07
β	7		7		
γ	9.7	9.65 10	9.6	−2.14	7,51
δ	9.9	9.90 00	9.9	−2.03	7,87
ε	8.9	9.00 11	9.1	−2.18	6,82

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Cand.

Scale m mc10514 N.G.C. 2437 $7^h\ 39^m\ 40^s$ -15.0 Alt. corr -.12

	Sc.1	Sc.2	Cu	Magn
1	5.5 (5.7)		2.75	8,45
2	5.6 (5.8)		2.71	8,51
3	6.3 (6.5)	6.58 00	6.5	2.33	8,83
3a			7.4	1.93	9,33
4			7.7	1.80	9,50
4a			8.2	1.66	9,86
5	5.7 (5.9)	5.80 11	5.7	2.71	8,51
6			8.4	1.59	9,99
7			8.8	1.47	10,27
8			9.1	1.42	10,52
9			9.3	1.42	10,72
10			9.4	1.43	10,83
11			8.6	1.52	10,12
12			9.4	1.43	10.83
13			9.4	1.43	10,83
14			7		
15	10.0	9.95 01	9.9	1.72	11,67

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Card.

Scalem MC 10517 4 N.G.C. 2422 $7^h 39^m 40^s$ -15° Alt. corr. -.12

	Sc 1	Sc 2	Cu	Magn			Cu	Magn
2	B					7.3	-2.18	5.12
B	5.9 5.7		2.66	8.56		J		
Y	7.0 6.8p	6.95 01 6.9	2.12	9.07				
S		7.8	1.78	9.58				
1	B		.	.		7.9	-2.21	5.69
2	B		.	.		Suspected		
3	B		.	.		9.3	-2.27	7.03
4	B		.	.		9.2	-2.28	6.92
5	B		.	.		9.5	-2.22	7.28
6	J.P.		.	.		J.P.		
7	J.P.		.	.		9.9 J	-2.05	7.85
8	J.P.		.	.		9.9	-2.05	7.85
9	4.8 4.6		3.27	8.07				
10	5.18 5.6		2.71	8.51				
11	6.4 6.3 4.5	6.40 00 6.4	2.37	8.77				
12	3.4		3.32	8.02				
13		8.1	1.68	9.78				
14		8.9	1.44	10.34	Sc 1 9 Sc 2		Sc 1 h Sc 2	
15		7.7	1.81	9.512	5.9 5.7	5.80 11	5.7	B
16	6.9 6.7	6.55 10 6.8	2.18	8.93	1	7.6 7.55 01	7.5 -1.88	5.67
17		8.7	1.50	10.20	2	J.P.	J.P.	
18		9.3	1.43	10.73	3	8.8 8.85 01	8.9 -2.18	6.67
19	8.9	8.90 00 8.9	1.43	10.33	4	8.7 8.70 00	8.7 -2.16	6.54
20		J	.		5	9.5 9.40 11	9.3 -2.17	7.23
21	9.7	9.65 10 9.6	1.48	11.13	6	J.P.	J.P.	
					7	10.0 10.00 00	10.0	
					8	9.9 9.95 10	10.0 -1.98	7.87
					9	10.0 10.00 00	J	

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Scale m mc 10515 Iris 1904 7h 59m 40s +15.0 alt corr +.09

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
							9.8	-2.10	7.70
2	3.7 3.5		3.80	7.30					
B	5.4 5.2		2.93	8.33					
1	5.9 5.7		2.66	8.56					
2	6.5 6.3	6.55 10 6.6	2.30	8.85					
2a	6.9 6.7	6.90 00 6.9	2.15	9.05					
3		7.4	1.93	9.33					
3a		7.8	1.78	9.58					
3b		8.3	1.63	9.93					
4		8.4	1.58	9.98					
5		8.7	1.50	10.20					
6		8.8	1.47	10.27					
7		9.9	1.70	11.60					
8		8.8	1.47	10.27					
8a		9.4	1.44	10.84					
9		h.s							
10	9.8	9.85 01 9.9	1.60	11.45					
11		h.s							
12	9.7	9.70 00 9.7	1.50	11.20					

Diff. Images

	Sc1 9h	Sc2	Sc1 h	Sc2		
2	9.7	9.70 00	9.7	-2.10	7.60	
B	10.0	10.0 00	〃			

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Scale m MC 10516 N.G.C. 2539 $8^h\ 9^m\ 45^s$ -12.5 Dm Abs. corr -.08

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C	Sc.2	Cu	magn
2	4.3 4.1		3.52	7.82			9.9	-2.05	7.85
B	6.4 6.2		2.37	8.77					
1	6.6 6.4	6.65 01 6.7	2.27	8.92					
1a	* 7.3	—7	1.97	9.27					
2		7.7	1.81	9.51					
3		7.8	1.78	9.58					
3a		8.1	1.68	9.78					
4		8.7	1.50	10.20					
5		8.6	1.52	10.12					
5a		9.1	1.42	10.52					
5b		9.3	1.42	10.72					
5c	9.8 9.75 01	9.7	1.53	11.28					
6		7							
7	9.9 9.85 10	9.8	1.60	11.45					
8		n.s							

Diff. Images

	Sc.1 9h	Sc.2	Sc.1	Sc.2		
2	9.9	9.90 00	9.9	-2.00	7.90	

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Scale m MC 10517 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	3.8 3.6	
8	4.7 4.5	
9	6.4 6.2	6.30 11 6.2
10	6.6 6.4	6.60 00 6.6
11		7.6
12		7.8
13		8.6
14		8.7
15		9.3
16		9.6
17	9.7	9.65-10 9.6
18	7	7
19	7	10.0
20		

See page 98

	Sc.1		Sc.2
	6.4 6.4		
1	6.4	6.65 01	6.7
4			7.9
5			8.8
6			9.5
7			9.8
8			7

Diff. Images

	Sc.1 g	Sc.2		Sc.1 h	Sc.2	
1	J.P.			J.P.		
4	7.7	7.7 ≅		J.P.		
5	8.6	8.65 01		8.7		
6	9.3	9.30 00		9.3		
7	9.6	9.60 00		9.6		3.00
8	10.0	10.0 ≅		7		

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11.20

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Sheet no 359

Series mc 636

Scale m

mc 10442 Pole

10447 P115

	Sc 1	Sc 2				Sc 1	P. C.	Sc 2		
5	B							8.9	9.2	9.05^{12} −2.62
6	B			3.7	3.7^{9}	3.28		9.8	9.9	9.85^{01} −2.87
7	4.6 4.4			4.5	4.55^{01}	2.91		J		
8	5.5 5.3			6.45	$5.48^{02\ 03\ 03}$	2.56				
9	6.8 6.6	6.80 00	6.8	6.75	$6.78^{02\ 03}$	1.96				
10	7.1 6.9	7.10 00	7.1	7.4	$9.25^{15\ 15}$	1.63				
11			8.2	8.4	8.30^{11}	1.06				
12			8.5	8.7	8.60^{11}	0.98				
13			9.1	9.3	9.20^{11}	0.88				
14			9.2	9.4	9.30^{11}	0.94				
15			9.6	9.8	9.70^{11}	0.94				
16		9.90 00 9.9 10.00 00	9.9	10.00	$9.95^{05\ 05}$	0.99				
17		10.0	10.0	10.0	10.00^{10}	1.04				
18		J								
19										
20										

Diff. Images

	g Sc 1	g Sc 2	r Sc 1	r Sc 2		
5	8.8	8.80 00	8.8	8.85	$8.82^{02\ 03}$	−2.39
6	9.7	9.65^{10}	9.6	9.75	$9.70^{05\ 05}$	−2.72
7	J.P.	9.9	9.9	-	9.9^{a}	−2.44

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Scale mv mc 10443 RS + Z Jauri 5 40 +15.0 Alt. corr +.09

	Sc. 1	Sc. 2		Cu	magn
a	4.6 4.4			2.90	7.50
a'	6.9 6.7	6.80 11	6.7	1.89	8.69
b	5.8 5.6	5.75 01	5.7	2.43	8.18
b'=c	6.7 6.5	6.70 00	6.7	1.95	8.65
c'			7.8	1.30	9.10
d			7.7	1.35	9.05
d'			8.7	0.96	9.66
d²			9.2	0.90	10.10
e			8.4	1.03	9.43
e'			9.5	0.92	10.42
f			7.7	1.35	9.05
f'			9.5	0.92	10.42
g			7.7	1.35	9.05
g'			10.0	1.03	11.03
h			7.7	1.35	9.05
k	9.5	9.55 10	9.6	0.93	10.48
l	9.9	9.90 00	9.9	1.00	10.90
m	10.0	10.00 00	10.0	1.03	11.03
n					
o					

Diff. Images

	Sc 1	Sc 2	Sc 1	Sc 2		
a	10.0	10.00 00	10.0	-2.50	7.50	

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Scale m mc 10443 Dm 5 40 + 15.0 Cats. corr +.09

	Sc 1	Sc 2	Cen Magn		Sc 1 P.C.	Sc 2		
2	B					8.2	.	.
β	B					9.6	-2.78	6.82
1	B					9.7	-2.78	6.92
2	5.8 5.6	5.75 01	5.7	2.43	8.18	f		
3	6.7 6.5	6.65 10	6.6	2.00	8.65			
3a			7.4	1.50	8.90			
4			7.8	1.30	9.10			
4a			8.3	1.05	9.35			
4b			8.6	0.98	9.58			
5			9.3	0.91	10.21			
6			9.2	0.90	10.10			
7	9.8	9.80 00	9.8	0.97	10.77			
8	9.7	9.70 00	9.7	0.95	10.65			
9	f		10.0	1.03	11.03			
10		f						

Diff. Images

	Sc 1 g	Sc 2	Sc 1 h	Sc 2		
2	7.9	7.85 10	7.8		.	.
β	9.3	9.35 10	9.4		-2.52	6.83
1	9.3	9.40 11	9.5		-2.53	6.87

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Wednesday. February 14, 1917

YELLOW

Equid B20:100

Scale m mc 10444 R Z Aurigae 5 50 +32.5 alt. corr +.12

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
a		7.4	1.51	8,91					
a'	B		·	,			9,7	-2.78	6,92
a²	3.7 (3.9)		3.18	7,08			10.0	-2.77	7,23
b		7.9	1.25	9,15					
c		8.7	0.96	9,66					
d		9.4	0.91	10,31					
d'		9.6	0.93	10,53					
e		9.9 (9.90 9.90)	1.00	1090					
f		10.0 (10.00 10.00)	1.03	11,03					
f'		f							
g		f							

Diff. Images

	a Sc.1	a Sc.2	b Sc.1	b Sc.2		
a'	9,3	9.35 (-1°)	9.4		-2.52	6,83
a²	10.0	9.95 (-0.1)	9.9		-2.50	7,45

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1917phae.proj.1024L

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YELLOW

Wednesday, February 14, 1917

Scale m mc 10444 Dm 5 50 +32.5 Dec. corr +.2

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2		
2	B					9.3	-2.76	6.54
B	3.7		3.18	7.08		10.0	-2.77	7.23
γ	5.3		2.51	8.01				
1	5.6		2.42	8.22				
1a	6.1	6.30	6.3	2.17	8.47			
2	5.3	5.60	5.7	2.50	8.10			
3			7.6	1.41	9.01			
4			7.9	1.25	9.15			
4a			8.8	0.93	9.73			
4b	9.2	9.20	9.2	0.90	10.10			
4c	9.4	9.40	9.4	0.92	10.32			
5			10.0	1.03	11.03			
6								

	Sc1 8	Sc2	Sc1 h	Sc2		
2	9.2	9.20	9.2	-2.51	6.69	
B	9.7	9.75	9.8	-2.51	7.14	

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Wednesday, February 14, 1917

YELLOW

Scale m MC 10445 D m 6 00 +25.0 All corr +.11

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
1	3.6 3.4		3.30	6,90			9.6	-2.78	6,82
1a	6.3 6.1	6.25 10 6.2	2.20	8,45					
2	6.6 6.4	6.60 00 6.6	2.01	8,61					
2a		7.8	1.31	9,11					
2b		8.3	1.06	9,36					
3		8.8	0.93	9,73					
4		9.3	0.92	10,22					
5		9.1	0.90	10,00					
6		9.5	0.93	10,43					
7		9.7	0.95	10,65					
8		9.7	0.95	10,65					
9		100 10.00 00 10.0	1.03	11,03					
10		100 10.00 00 10.0	1.03	11,03					
11		f							

Diff. Images

	Sc 1 g	Sc 2	Sc 1 h	Sc 2		
1	9.4	9.45 01	9.5		-2.52	6,93

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YELLOW

Wednesday, February 14, 1917

Scale m mc 10446 Dm 6 40 − 20.0 air-corr −.19

	Sc.1	Sc.2			Sc.1	Sc.2		
1	B					9.6	−2.98	6.82
2	5.1 (5.3)	5.35 (10)	5.4	2.60	7.95	″		
2a	6.4 (6.6)	6.60 (00)	6.6	2.00	8.60			
3			7.5	1.45	8.95			
3a			8.1	1.14	9.24			
4			8.3	1.05	9.35			
5			8.3	1.05	9.35			
6			9.1	0.90	10.00			
7			9.7	0.95	10.65			
8			9.3	0.91	10.21			
9	9.9 (9.9000)		9.9	1.00	10.90			
10	10.0 (10.0000)		10.0	1.03	11.03			
11			″					
12			″					
13			″					
14			″					

Diff. Images

	9h Sc.1	9h Sc.2	2h Sc.1	2h Sc.2		
1	9.7	9.65 (10)	9.6		−2.52	9.13
2	″		″			

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Wednesday, February 14, 1917

YELLOW

scale m mc 10447 Pole

	Sc.1	Sc.2
4		
5	B 3.7	
6	3.5	
7	4.3 P 4.5	
8	5.3 5.5	5.45 10 5.4
9	6.6 6.8	6.75 01 6.7
10		7.4
11		8.4
12		8.7
13		9.3
14		9.4
15		9.8
16	10.0	10.00 00 10.0
17	7	10.0
18		7

See page 108

	Sc.1 P.C.	Sc.2
		N. S.
		9.2
		9.9
		7

Diff. Images

	Sc.1 Sc.2	Sc.1 Sc.2
4	n.s.	7.P. ~~8.6~~
5	8.9	8.85 10 8.8
6	9.7	9.75 10 9.8
7	7	7

12.55

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Friday, February 16, 1917

YELLOW

8.30

Series mc636

Scale m mc10447 Pole

	Sc 1		Sc 2	10453 p125		Sc 1	P.C.	Sc 2			
5	B							8.6	8.60	8.60	−2.74
6	3.7 3.5			3.8	3.75	3.23		9.3	9.3	9.30	−2.87
7	4.5 4.3			4.6	4.55	2.91		9.8	9.9	9.85	−2.87
8	5.6 5.4	5.60	5.6	5.55	5.58	2.45		J			
9	6.7 6.5	6.70	6.7	6.75	6.72	2.02					
10			7.4	7.6	7.50	1.38					
11			8.3	8.5	8.40	0.96					
12			8.6	8.8	8.70	0.88					
13			9.3	9.3	9.30	0.78					
14			9.5	9.5	9.50	0.74					
15	9.8	9.75	9.7	9.90	9.82	0.82					
16	10.0	10.00	10.0	10.10	10.05	0.89					
17			J	10.05	10.05	0.99					
18											

Diff. Images

	g Sc 1	Sc 2		h Sc 1	Sc 2			
5	8.7	8.70		8.7	8.80	8.75	−2.32	
6	9.7	9.70		9.7	9.75	9.72	−2.74	
7	J			J				
8								

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YELLOW

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Card.

Scale m mc 10448 V Aurigae $6^h\ 11^m\ 45^s$ +47.5 Att. wt +.11

	Sc 1	Sc 2	Cu	Magn
a	5.1 (5.3)	5.30 (00)	5.3	2.60	7.90
b	6.1 (6.3)	6.35 (10)	6.4	2.00	8.35
c			7.7	1.30	9.00
d			7.9	1.22	9.12
d'			8.4	1.01	9.41
e			8.9	0.87	9.77
f			9.2	0.82	10.02
g			9.5	0.78	10.28
h			9.7	0.80	10.50
k			9.7	0.80	10.50
l			9.8	0.80	10.60
m	10.1 (10.05)	10.0 (10)		0.90	10.95
n	10.0 (9.95)	9.9 (01)		0.86	10.81

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1917phae.proj:1024L

Friday, February 16, 1917

YELLOW

Card.

Scale m mc 10448 SS Aurigae $6^h 11^m 45^s +47.5$ Cat. corr +.11

	Sc 1	Sc. 2	Cu	Magn
	5.3			
a	5.1		2.60	7.90
b	5.6 5.4	5.50 01	5.5	2.50 8.00
c	7.0 6.8	7.05 01	7.1	1.66 8.71
d			8.3	1.06 9.36
e			9.1	0.84 9.94
f			9.4	0.79 10.19
g			9.8	0.80 10.60
h			9.8	0.80 10.60
k			9.9	0.84 10.74
l			9.7	0.80 10.50
m	10.0	10.00 00	10.0	0.88 10.88
n	7		10.0	0.88 10.88
o	10.1	10.05 10	10.0	0.90 10.95

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Friday, February 16, 1917

YELLOW

Scale m mc 10449 Iris 1904 $6^h 29^m 40^s +17.5$ Qts corr +.09

	Sc.1	Sc.2	Im	Magn	Sc.1	P.C.	Sc.2		
1	4.0 3.8		3.14	7.14			10.0	-2.83	7.17
2		7.6	1.36	8.96					
3	7.1 6.9	7.20 11	7.3	1.56	8.76				
4		7.7	1.30	9.00					
5		8.4	1.01	9.41					
6		8.6	0.95	9.55					
6a		9.1	0.84	9.94					
7		9.4	0.79	10.19					
8		9.7	0.80	10.50					
9	9.8 9.85 01	9.9	0.82	10.67					
10	10.0 10.00 00	10.0	0.88	10.88					
11		7							
12		7							

Diff. Images

	Sc.1 g	Sc.2	Sc.1 h	Sc.2		
1	9.9	9.95 10	10.0		-2.73	7.22

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Friday, February 16, 1917

YELLOW

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Scale m mc10450 Iris 1904 $6^h 49^m 40^s$ +17.5 Acc. corr +.09

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
1	3.5 3.3		.	.			9.9	-2.86	7.04
2	4.5 4.3		2.96	7.46					
3	5.6 5.4		2.43	8.03					
4	6.4 6.2	6.40 00	6.4	1.97			8.37		
5	7.1 6.9	7.00 12	6.9	1.67			8.67		
6			8.4	1.01			9.41		
7			8.7	0.92			9.62		
8			8.9	0,87			9.77		
9			9.2	0.82			10.02		
10			9.2	0.82			10.02		
11			9.3	0.80			10.10		
12	9.7	9.70 00	9.7	0.80			10.50		
13	9.5	9.45 10	9.4	0.79			10.24		
14		f							
15	10.0	10.00 00	10.0	0.88			10.88		

Diff. Images

	Sc.1 (9h)	Sc.2		Sc.1 (hr)	Sc.2		
1	9.5	9.60 11		9.7	-2.71	6.89	
2	10.0	10.00 00		10.0	-2.73	7.27	

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Scalem · mc10451 N.G.C. 2437 $7^h\ 39^m\ 40^s$ -15.0 Alt. corr. -11

	Sc 1	Sc 2	Cu	Magn
1	6.5 6.3		1.92	8,42
2	6.8 6.6	6.25 6.7	1.78	8,53
3		7.3	1.50	8,80
3a		7.9	1.22	9,12
4		8.2	1.08	9,28
4a		8.5	0.96	9,46
5	6.9 6.7	6.90 6.9	1.73	8,63
6		8.9	0.87	9,77
7		9.5	0.78	10,28
8		9.5	0.78	10,28
9		9.8	0.80	10.60
10		9.8	0.80	10.60
11		9.4	0.79	10.19
12		9.85 9.8 9.9	0.83	10,68
13		9.90 9.9 9.9	0.84	10.74
14		J		
15				

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Scale m mc 10451 n.G.C. 2422 $7^h\ 39^m\ 40^s - 15.0$ Adt. corr -.11

		Sc 1		Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2		
2	B								7.8	.	
		6.8									
β		6.6	6.75 01	6.7	1.78	8.53					
γ				7.6	1.36	8.96					
δ				8.7	0.92	9.62					
1	B								8.5	-2.70	5.80
2	B								J.P.		
3	B								9.7	-2.88	6.82
4	B								9.5	-2.88	6.62
		3.8									
5		3.6			3.22	7.02			9.9	-2.85	7.05
		4.6									
6		4.6p			2.83	7.63					
		4.9									
7		4.7			2.79	7.69					
		4.8									
8		4.6			2.83	7.63					
		5.3									
9		5.1			2.60	7.90					
		6.5									
10		6.3	6.45 10	6.4	1.95	8.40					
11				7.2	1.56	8.76					
		5.3									
12		5.1	5.40 11	5.5	2.54	7.94					
13				8.9	0.87	9.77	Diff. Images				
14				9.4	0.79	10,19	Sc 1 9h	Sc 2	Sc 1 2h	Sc 2	
							6.9		6.9		
15				8.1	1.14	9,242	6.7	6.90 00	6.7	.	.
16				7.5	1.40	8,901	8.1	8.00 11	7.9	.	.
17				9.3	0.80	10,102	J.P.		J.P.		.
			9.80 00								
18		9.8	9.8		0.80	1060	3 9.5	9.50 00	9.5	-2.70	6.80
			9.55 01								
19		9.6	9.5		0.78	10,33	4 9.2	9.15 01	9.1	-2.64	6.59
							5 9.8	9.85 01	9.9	-2.74	7.12
							6 10.0	10.0	J.P.	-2.73	7.27
							7 10.0	10.00 00	10.0	-2.73	7.27

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Friday, February 16, 1917

YELLOW

Scale m MC10452 N.G.C. 2548 $8^h\ 10^m\ 15^s - 7.5$ Dist. corr −.02

	Sc 1		Sc 2	Lu	Magn
	7.8				
1	5.6	5.75 0.1	5.7	2.33	8.88
1a			7.7	1.30	9.00
1b			8.2	1.08	9.28
2			8.6	0.94	9.54
2a			8.9	0.87	9.79
2b			9.8	0.80	10.60
3			9.7	0.79	10.49
4	9.7	9.75 ± 0	9.8	0.80	10.55
5	9.9	9.95 ± 0	10.0	0.87	10.72

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Friday February 16, 1917

YELLOW

Scale m MC 10452 DM $8^h\ 10^m\ 15^s - 7.5$ Decl. corr. -.02

	Sc. 1		Sc. 2	Cu	magn
	5.6				
1	5.4	5.50 11	5.4	2.50	8,00
	6.4				
2	6.2	6.40 00	6.4	1.97	8.37
2a			7.9	1.22	9,12
2b			8.3	1.04	9,34
2c			8.8	0.89	9,69
3			9.3	0.80	10,10
4			9.1	0.84	9,94
5			9.4	0.79	10,19
6	9.8	9.75 01	9.7	0.80	10.55
7	9.8	9.80 00	9.8	0.80	10,60

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1917phae.proj.10241

Friday, February 16, 1917

YELLOW

Scale m MC 10453 Pole

	Sc.1	Sc.2
4		
5	B	
6	3.6 (3.8)	
7	4.4p (4.6)	
8	5.4 (5.6) 5.55 01	5.5
9	6.6 (6.8) 6.75 01	6.7
10		7.6
11		8.5
12		8.8
13		9.3
14		9.5
15	9.9 9.9000	9.9
16	10.1 10.1000	10.1
17	10.0 10.05 01	10.1
18		

	Sc.1	P.C.	Sc.2
			8.6
			9.3
			9.9
			7

Diff. Images

	9h Sc.1	9h Sc.2	1h Sc.1	1h Sc.2
4	8.6	8.60		J.P.
5	8.9	8.80 11		8.7
6	9.8	9.75 01		9.7
7	7			7

See page 116

10.20

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YELLOW

10.55

Monday, February 19, 1917

Series mc 542

Scale m mc 9225 Pole 9230 P131

	Sc 1	Sc 2			
1					
4					
5	B				
6	B				
7	3.8 3.6		4.0	3.90	3.56
8	5.1 4.9		4.9	5.00	3.03
9	6.6 6.4	6.55	6.5	6.55	6.55	2.19
10	6.9 6.7	6.80	6.7	6.80	6.80	2.08
11			7.8	7.7	7.75	1.61
12			7.9	8.3	8.10	1.48
13			8.7	8.8	8.75	1.33
14			9.1	9.2	9.15	1.09
15			9.5	9.4	9.45	1.19
16			9.8	9.6	9.70	1.24
17	9.8	9.75	9.7	9.76	9.72	1.22
18	10.0	10,000	10.0	9.85	9.92	1.54
19	J	10.1		10.0	10.05	1.89
20		X				

	Sc 1	P.C.	Sc 2			
	6.3					
1	6.1	6.35	6.4	6.45	6.40	-1.96
4			7.9	8.2	8.05	-2.19
5			8.7	8.7	8.70	-2.27
6			9.5	9.5	9.50	-2.52
7			9.8	9.8	9.80	-2.34
8			J	9.9	9.9	-1.87

Diff. Images

	g Sc 1	g Sc 2		h Sc 1	h Sc 2		
1	J.P			J.P.			
4	J.P	8.6		8.6	8.6	8.60	-2.74
5	8.6	8.70		8.8	8.55	8.62	-2.19
6	9.5	9.55		9.6	9.45	9.50	-2.52
7	9.8	9.85		9.9	9.80	9.82	-2.36
8	J			J	10.0	10.0	-1.97

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Monday. February 19, 1917

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Cand.

Scalem mc 9226 D1 1.00 -15.0 Obs corr -15

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	J.P.		.				9.3	-2.30	7.00
2	4.3 4.1p		3.40 3.05	7.70			9.7p	-2.27	7.43
3	3.7 3.5		3.56 3.23	7.26			9.6p	-2.29	7.31
4	4.3 4.1p		3.40 3.05	7.70		Remeas. by O.	9.7p	-2.27	7.43
5	3.8 3.6		3.41	7.41		Im. very poor. 9.1	9.6p	-2.29	7.31
6	4.6 4.4p		3.25 2.92	7.85		9.3	9.8	-2.26	7.54
7	J.P.		.	.		9.7	9.9	-2.22	7.68
8	5.9 5.7p		2.55	8.45		July 6, 1917.	J		
9	5.6 5.4		2.70	8.30			10.1	-2.10	8.00
10	5.8 5.6p		2.60 2.34	8.40					
11	6.8p		2.00 1.67	9.00					
12		7.5p	1.76 1.40	9.26					
13	6.9 6.7p	6.80 11 6.7p	2.09 1.76	8.89					
14	J.P.		.	.					
15	6.9 6.7p	6.85 10 6.8p	2.08 1.75	8.93					
16		8.7p	1.30 0.92	10.00					
17		8.9	1.24	10.14					
18		9.5p	1.18	10.68					
19		9.4p	1.18	10.58					
20		9.5p	1.18	10.68					
21		9.1p	1.11	10.21					
22		9.6	1.20	10.80					
23		9.8	1.29	11.09					
24		9.8	1.29	11.09					
25		J	.						
26		10.0	1.50	11.50					
27		10.1 10.10 00 10.1	.	.					
28		J 10.0	1.50	11.50					
		7.5p	1.76	9.26					

9 diff.

5 Sc 2 t.p.
6 9.2 poor
7 9.6? "h" im. n.s.

Direct inspection shows that 6 is brighter than 7.
diff

Reject meas. 7 S Sc 7; H.S. 2.g 5.1.17

Diff. Images

	Sc 1	9 Sc 2		R Sc 1 Sc 2		
1	9.8	9.75 01		9.7	-2.28	7.47
2	9.8	9.80 00		9.8	-2.26	7.54
3	9.4	9.35 01		9.3	-2.42	6.93
4	9.7	9.70 00		9.7	-2.30	7.40
5	9.7	9.70 00		9.7	-2.30	7.40
6	9.9	9.90 00		9.9	-2.20	7.70
7	9.8	9.8		J	-2.26	7.54
8	J			J		

Very poor images

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Card.

Scale m mc 9227 C1 1 00 +15.0 Obs. corr +.10

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc 2	Cu	Magn
1	B 3.5					9.3	-2.30	7.00
2	3.3		3.73	7.23		9.3	-2.30	7.00
3	B					8.1	-2.13	5,87
4	3.6p 3.8		3.61	7.41		9.6	-2.29	7.31
5	5.6p 5.8		2.60	8.40		10.0	-2.17	7.83
6	4.9p 5.1		2.98	8.08		9.9	-2.21	7.69
7	3.4 3.6		3.69	7.29		9.3	-2.30	7.00
7a	6.4p 6.6		2.18	8.78		M		
8	6.7 6.9		2.04	8.94				
9	5.5 5.7	5.70 00 5.7	2.65	8.35				
10		M.P.	.	.				
11		7.4p	1.82	9.22				
12		8.3p	1.44	9.74				
13	6.5 6.7	6.70 00 6.7	2.14	8.84				
13a		8.7	1.29	9.99				
14		9.1p	1.21	10,31				
15		9.2	1.20	10.40	Diff. Images			
16		9.5p	1.19	10.69	Sc 1 9 Sc 2	Sc 1 Sc 2		
17		9.4	1.19	10.59 1	9.4	9.5 01	9.6	-2.37 7.13
18		9.4	1.19	10.59 2	9.7	9.60 11	9.5	-2.33 7.27
18a		9.8	1.30	11.10 3	7.9	7.90 00	7.9	. .
19		9.8	1.30	11.10 4	9.4	9.45 01	9.5	-2.38 7.07
20		10.0	1.50	11.50 5	10.0	9.95 01	9.9	-2.20 7.75
21	10.0 10,000	10.0	1.50	11.50 6	10.0	9.95 01	9.9	-2.20 7.75
21a		M		7	9.4	9.40 00	9.4	-2.40 7.08
22	M	M 10,000 00		7a	10.0	10.0	M	-2.16 7.84
23	10.0	10.0	1.50	11.50				

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Scale m MC9228 Ursae Cephei 1 00 +82.5 Refs. corr +.05

	Sc.1	Sc.2	Cr.	magn	Sc.1	P.C.	Sc.2			
2	B						7.8	-2.18	5,62	
B	off plate									
γ	B 6.8						10.0	-2.17	7,83	
δ	6.6		2.09	8,89						
a	B						9.2	-2.30	6,90	
b	B						9.2	-2.30	6.90	
b'	B						9.6	-2.29	7.31	
c	3.5 3.3		3.74	7,24			Superposed			
c'	3.8 3.6		3.62	7,42			9.7	-2.27	7,43	
d	3.9 3.7		3.55	7,45			10.0	-2.17	7,83	
d'	4.9 4.7		3.10	8,00			?			
e	3.9 3.7		3.55	7,45			?			
f	5.5 5.3		2.76	8,26						
g	5.6 5.4		2.71	8,31						
h	5.7 5,5		2.65	8,35						
k	6.8 6.6	6.70 11 6.6	2.13	8,83						
l	6.9 6.7	6.85 10 6.8	2.08	8,93	Diff. Images					
m		7.8	1.62	9.42	Sc1 g Sc2		Sc1 h Sc2			
m'		8.3	1,43	9,73 d	7.6	7.55 01	7.5	.	.	
n		8.7	1.30	10,00	9.8	9.80 00	9.8	-2.26	7,54	
o		9.2	1.20	10,40 a	8.8	8.80 00	8.8	-2.52	6,28	
p		9.2	1.20	10,40 b	9.7	9.60 11	9.5	-2.33	7,27	
q		9.7	1.23	10,93 b'	9.8	9.75 01	9.7	-2.28	7,47	
r		9.6	1.20	10,80 c	9.8	9.80 00	9.8	-2.26	7.54	
s		9.8	1.30	11.10 c'	9.9	9.85 10	9.8	-2.24	7,61	
t	9.7 9.70 00	9.7	1.23	10,93 d	9.9	9.90 00	9.9	-2.20	7.70	
w	10.1 10.10 00	10.1	.	. d'	?		?			
h'		7.4	1.82	9,21						

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Ser 542

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Card.

Scale m mc9229 S Piscium 1h 10m 30s +7.5 Dist. corr +.09

	sc.1	sc.2	Cu	Magn	sc.1 . P.C.	sc.2		
a	4.7 4.5		3.20	7.90		9.9	-2.22	7.68
b	5.3 5.50	5.5	2.57	8.07		9.9	-2.22	7.68
c		8.8	1.27	10.07				
d	7.1 6.9p 7.20 11	7.3p 5.7p	1.90	9.18				
e		8.3p	1.43	9.73				
e'		8.1	1.50	9.60				
E		8.4p	1.39	9.79				
f		8.6p	1.33	9.93				
g		8.9	1.24	10.14				
h		9.2	1.20	10.40				
k		9.6	1.20	10.80				
l	9.7 9.70	9.7	1.23	10.93				
n	9.9 9.85 10	9.8	1.32	11.17				

Diff. Images

	sc 2 sc 2		sc 1 sc 2		
a	9.8	9.75 0.1	9.7	-2.26	7.49
b	9.8	9.85 0.1	9.9	-2.24	7.61

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YELLOW

Scale m mc 9230 Pole

	Sc 1	Sc 2
1		
4		
5	B	
6	B	
7	3.8 (4.0)	
8	4.7 (4.9)	
9	6.4 (6.6)	6.55 01 6.5
10	6.7 (6.9)	6.80 11 6.7
11		7.7
12		8.3
13		8.8
14		9.2
15		9.4
16		9.6
17	9.7	9.70 00 9.7
18	9.9	9.85 10 9.8
19	7	10.0
20		

See page 126

	Sc 1 (6.4)	P.C.	Sc 2
1	6.2	6.45 01	6.5
4			8.2
5			8.7
6			9.5
7			9.8
8			9.9

Diff. Images

	9h Sc 1 Sc 2		4h Sc 1 Sc 2	
1	J.P		J.P.	
4	8.6p	8.6	J.P.	
5	8.6	8.55 00	8.5	
6	9.4	9.45 01	9.5	
7	9.8	9.80 00	9.8	1.05
8	10.0	10.0	7	

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11.20

Series MC 542

Scale m

MC 9230 Pola 9236 p139

	Sc.1	Sc.2				Sc.1	P.C.	Sc.2			
1						6.6 6.4	6.65 01	6.7	6.50	6.58 0806	−2.14
4								8.3	8.3	5.30 00	−2.44
5	B							8.7	8.7	8.70 00	−2.27
6	B							9.4	9.5	9.45 01	−2.47
7	3.6 3.8			3.8	3.80 00	3.66		9.8	9.8	9.80 00	−2.34
8	5.1 4.9			4.7	4.90 22	3.13		9.9	9.9	9.90 00	−1.87
9	6.6 6.4	6.55 01	6.5	6.45	6.50 0505	2.24					
10	6.9 6.7	6.90 00	6.9	6.80	6.85 0505	2.03					
11			7.6	7.7	7.65 01	1.71					
12			8.1	8.3	8.20 11	1.38					
13			8.7	8.7	8.70 00	1.38					
14			8.9	9.1	9.00 11	1.24					
15			9.4	9.4	9.40 00	1.24					
16			9.5	9.7	9.60 11	1.34					
17		9.80 00 9.8	9.8	9.60	9.70 1010	1.34					
18		9.90 00 9.9	9.9	10.00	9.95 0505	1.61					
19			7								

Diff. Images

	Sc.1 9	Sc.2		Sc.1 P	Sc.2			
1	J.P.			J.P.				
4	8.7	8.7		J.P.	8.55	8.62 0807	−2.96	
5	8.6	8.65 01		8.7	8.65	8.65 0000	−2.22	
6	9.3	9.35 10		9.4	9.45	9.40 0505	−2.42	
7	9.8	9.80 00		9.8	9.95	9.88 0807	−2.42	
8	9.9	9.95 10		10.0	10.00	9.98 0302	−1.95	

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Scalem mc9231 B1 1 20 +45.0 plate corr +.12

	Sc1	Sc2	Cu	Magn	Sc1	P.C.	Sc2	Cu	Magn
	3.8								
1	3.6		3.64	7,44			9.8	-2.10	7,70
	3.8								
2	3.6		3.64	7.44			9.7	-2.23	7,47
3	B			.			9.2	-2.36	6,84
4	J.P.			.			10.0	-	.
	5.0								
5	4.8		3.07	8,07			7		.
	4.9								
6	4.7		3.12	8.02					
	5.7								
7	5.5		2.66	8,36					
	4.0								
8	3.8		3.56	7,56			9 9	-2.00	7.90
	6.7								
8a	6.5		2.13	8,83					
	6.6								
9	6.4		2.19	8,79					
10		7,9	1.55	9,45					
	6.6								
11	5.4	5.60 00 5.6	2.73	8,33					
12		7.3	1.83	9.13					
	6.3								
13	6.1	6.30 00 6.3	2.35	8,65					
	6.8								
14	6.6	6.75 01 6.7	2.10	8,85					
15		7.7	1.64	9,34					
16		9.1	1.28	10,38	Diff. Images				
17		8.5	1.36	9.86	g Sc1 Sc2		h Sc1 Sc2		
17a		8.7	1.30	10,60 1	9.8	9.75 01	9.7	-2.24	7,51
18		9.4	1.30	10,70 2	9.9	9.90 00	9.9	-2.17	7,73
19		9.3	1.29	10,59 3	9.3	9.25 10	9.2	-2.39	6,86
20		9.7	1.40	11,10 4	9.9	9.95 10	10.0	-2.14	7,71
21		8.6	1.33	9,93 5	7		7		.
22		9.9	1.50	11,40 6	10.0	10.00 00	10.0	-2.13	787
		9.90 01							
23	10.0	9.9	1.50	11,40 8	9.7	9.75 10	9.8	-2.24	7,51
		9.90 00							
23a		9.9 9.9	1.50	11,40					

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Cards.

Scale m MC 9232 O Ceti $1^h 30^m 10^s$ −7.5 Dec. corr −.02 D m

	Sc 1	Sc 2	Ch	Magn	Sc 1	P.C.	Sc 2		
1a	3.9 3.7		3.60	7.50			9.7	−2.23	7.47
2b	6.9 6.7p	6.85 10 6.8p	2.04	8.89					
3		7.8p	1.60	9.40					
3a		8.5	1.36	9.86					
4		9.1	1.28	10.38					
4a		9.4	1.30	10.70					
5		9.8	1.45	11.25					
6		9.9	1.50	11.40					
7	10.0	9.95 01 9.9	1.53	11.48					
8	10.0	10.0000 10.0	1.57	11.57					
4b		9.8p	1.45	11.25					

Diff. Images

	Sc 1	Sc 2	Sc 1	Sc 2		
	9		h			
1	9.8	9.25 01	9.7		−2.24	7.51

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Scale m mc 9233 DM 1h 40m 00s +62.5 @ed. corr + 11

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2
1	4.9 (5.1)		3.00	8,10			10.0
2	6.6 (6.8)	6.80 00	6.8	2.07	8,87		
3	5.6 (5.8)	5.75 01	5.7	2.64	8.39		
4			7.3	1.83	9,13		
5			8.7	1.30	10,00		
6			9.1	1,28	10,38		
7			9.6	1.35	10,95		
8			9.3	1,29	10,59		
9			9.9	1.50	11,40		
10	10.0 (10.00)		10.0	1.56	11,56		
11	10.0	10.0 (10.00 00)	10.0	1.56	11,56		
12							
4a			7.9	1.55	9,45		

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Wednesday, February 21, 1917

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Scale m mc 9233 N.G.C. 663 1h 40m 00s +62.5 Decl. corr. +.11

	Sc.1	Sc.2	Cu	Magn
1	5.8 (6.0) 6.05°	6.1	2.50	8,55
2		7.3	1.83	9,13
3		7.8	1.60	9,40
3a		8.7	1.30	10,00
3b		9.3	1.29	10,59
4		9.4	1.30	10,70
5		9.6	1.35	10,95
6		10.0	1.56	11,56
7	9.7 9.75-1°	9.8	1.42	11,17
8	10.0 10.00°	10.0	1.56	11,56
9		∫		

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Scale m mc9234 N.G.C.752 1h 50m +37.5 Alt. cor +12

	Sc 1	Sc 2	Cu	Magn	Sc 1 P.C.	Sc 2
1	4.7 (4.9, 5.8)		3.13	8.03		10.0 :
2	5.6		2.62	8.42		
2a	6.6 (6.8)	6.75 0.2 6.7	2.10	8.85		
2b	6.9 (7.1)	7.15 0.2 7.2	1.90	9.05		
3		7.8	1.60	9.40		
4		8.3	1.40	9.70		
4a		8.6	1.32	9.92		
4b		9.1	1.28	10.38		
5		9.3	1.29	10.59		
6		9.5	1.32	10.82		
7		9.7 9.9 (9.80 0.1, 9.95 0.0)	1.45	11.25		
8		9.9 10.0	1.53	11.48		
9		7				

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Scale m mc 923/5 N.G.C. 1039 $2^h\ 36^m$ +42.5 Z Persei

	Sc. 1	Sc. 2	Cu	Magn
a	6.7 (6.9) 7.00	7.1	1.98	8.98
b		7.8	1.60	9.40
c		8.2	1.45	9.65
d		8.1	1.47	9.57
e		7.7	1.65	9.35
f		8.3	1.41	9.71
f'		8.7	1.30	10.00
h		9.6	1.34	10.94
k		9.4	1.30	10.70
k'		9.9	1.50	11.40
l	10.0 (10.00) 10.00	~~9.4~~	1.56	11.56
m	10.0 (10.00)	10.0	1.56	11.56
g		8.9	1.29	10.19

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Scale m MC 9236 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	3.6 (3.8)	
8	4.5 (4.7)	
9	6.3 (6.5)	6.45 (10) 6.4
10	6.7 (6.9)	6.80 (11) 6.7
11		7.7
12		8.3
13		8.7
14		9.1
15		9.4
16		9.7
17	9.6	9.60 (00) 9.6
18	10.0	10.00 (00) 10.0
19		7

Sc.1 (6.5)	P.C.	Sc.2
6.3	6.5-0.00	6.5
		8.3
		8.7
		9.5
		9.8
		9.9

Diff. Images

	g Sc.1 Sc.2	h Sc.1 Sc.2
1	J P	J P
4	8.5p	8.55 (10) 8.6p
5	8.6	8.65 (01) 8.7
6	9.4	9.45 (01) 9.5
7	9.9	9.95-10 10.0
8	10.0	10.00 (00) 10.0

1.05

See page 132

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Friday, February 23, 1917

YELLOW
11.20

Sheet no 361

Series mc 215

Scale m mc 50 ♯ 25 Pole

	Sc.1	Sc.2	5030 p146		Sc.1 P.C.	Sc.2		
4	B					6.00	6.00	-1.56
5	B					7.8	7.80	-1.94
6	B					8.7	8.65	-2.22
7	3.7 3.5		3.8	3.75	3.71	9.3	9.30	-2.32
8	5.3 5.1		4.9	5.10	2.93	9.6	9.55	-2.09
9	6.6 6.4	6.55	6.5	6.55	6.55	9.8	9.8	-1.79
10	6.9 6.7	6.85	6.8	6.85	6.85			
11			7.8	7.8	7.80			
12			8.2	8.4	8.30			
13			8.6	9.1	8.85			
14			9.2	9.2	9.20			
15			9.4	9.4	9.40			
16	9.7	9.70	9.7	9.70	9.70			
17	9.7	9.70	9.7	9.75	9.72			
18			9.7					

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Scale m MC 5026 RS Ursae Majoris 12 40 +60 Dist. corr +.11

	Sc 1	Sc 2	Cu	magn	Sc 1	P.C.	Sc 2	Cu	magn
a	4.9 4.7		3.07	7,97			9.6	-2.07	7.53
a'	4.7 4.5	4.60 11	4.5	3.25	7,85		J.		
b	6.6 6.4	6.65 01	6.5	2.20	8,75				
b'			7.6	1.66	9.26				
c			7.7	1.62	9.32				
d			8.3	1.38	9,68				
e			7.9	1.53	9,43				
f			9.4	1.23	10,63				
g			9.4	1.23	10,63				
h			9.8	1.27	11,07				
h'		9.90 00	9.9	1.30	11,20				
h2		J							
k	10.0	10.00 00	10.0						

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Scalem — MC5026 — S Ursae Majoris — 12 40 +60 — aer. corr +.11

	Sc 1	Sc 2	Cu	Magn	Sc 1 P.C.	Sc 2	Cu	Magn
a	B					8.6	-2.18	6.42
b	B					9.2	-2.19	7.01
c	3.4 (3.6)		3.80	7.40		9.6	-2.06	7.54
d	3.7 (3.9)		3.65	7.55		9.7	-2.00	7.70
e	4.5 (4.7)	4.70 00 4.7	3.18	7.88		9.9	-1.80	8.10
f	6.2 (6.4)	6.50 11 6.6	2.23	8.73				
g'		7.4	1.76	9.16				
g2		7.9	1.53	9.43				
g3		7.2	1.85	9.05				
h		7.7	1.60	9.30				
k		8.7	1.27	9.97				
l		9.4	1.22	10.62				
m	9.8 (9.75 01)	9.7	1.29	11.03				
n	10.0 (10.00 00)	10.0	.	.				

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Scalem MC 5026 5 Ursae Majoris 12 40 +60

		Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
~~Same as for 5 Ursae Maj.~~	a	B						7.9	-2.04	5.86
Same as 5 Ursae Maj. Seq.	b									
	c									
	d									
	e									
	f	4.8 (5.0)				3.02		8.02		
	g	6.7 (6.9)				2.00		8.90		
	g'	6.6 (6.8)	6.75 (01)	6.7		2.10		8.85		
	h	6.8 (7.0)	7.10 (11)	7.2		1.92		9.02		
	k			8.4		1.35		9.75		
	l			9.5		1.23		10.73		
	m			9.4		1.22		10.62		
	n	10.0	(10.00) 10.0			.				
	o	10.1	(10.05) 10.0			.				

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Friday, February 23, 1917

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Scale m mc 5027 DM 13 00 + 70.0 Qd. corr +.09

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2
1	~~5.1~~ 4.9 4.7		3.08				
2	B						10.0
3	4.8 4.6	4.85 01	4.9	3.10	7.95		
3a	5.8 5.6	5.75 01	5.7	2.60	8.35		
3b			7.4	1.75	9.15		
3c			7.7	1.62	9.32		
3d			8.8	1.24	10.04		
4			9.3	1.22	10.52		
4a	9.7 9.75 10		9.8	1.28	11.08		
5	9.7 9.70 00		9.7	1.26	10.96		
6			7				

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Friday, February 23, 1917

YELLOW

Scale m mc5029 Dm 13 30 +27.5 Att. corr +.12

	Sc.1	Sc.2	Cu	Magn	Sc.1 P.C.	Sc.2		
	3.6							
A	3.4 p		3.80	7.40		9.4	-2.15	7.25
	4.3							
B	4.1		3.42	7.72		9.8	-1.90	7.90
	5.6							
1	5.4	5.60 56	2.68	8.24		J		
1a	5.9 5.7	5.80 11 5.7	2.58	8.38				
2		7.6	1.66	9.26				
3		8.3	1.38	9.68				
3a		8.4	1.35	9.75				
4		9.1	1.22	10.32				
5		9.3	1.22	10.52				
5a	9.8p	9.25 OL 9.7p	1.28	11.03				
6	99	9.90 9.9	1.30	11.20				

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Friday, February 23, 1917

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Scale m MC5030 Pole

	Sc 1	Sc 2	Sc 1	P. C.	Sc 2
			5.9		
1			5.7	6.00 11	6.1
4					7.8
5	B				8.7
6	B				9.3
7	3.8 3.6				9.6
8	4.9 4.7				7
9	6.5 6.3	6.55 10 6.6			
10	6.9 6.7	6.85 10 6.8			
11		7.8			
12		8.4			
13		9.1			
14		9.2			
15		9.4			
16	9.7	9.70 00 9.7			
17	9.8	9.70 01 9.7			
18		7			

See page 140

12.45

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Monday, February 26, 1917

YELLOW

Sheet no 361

Scale m

Series mc215

2.35 .mc5030 Pole

5036 p154

	Sc 1	Sc 2				Sc.1	P.C.	Sc.2			
1						6.2 (6.11)	6.40	6.4	6.45	6.42	−1.98
4								7.8	7.8	7.80	−1.94
5	B							8.7	8.7	8.70	−2.27
6	B							9.3	9.2	9.25	−2.27
7	3.6 (3.8)		3.8	3.80	3.66			9.6	9.5	9.55	−2.09
8	5.3 (5.5)		5.4	5.45	2.58			7	10.0	10.0	−1.97
9	6.3 (6.5)	6.6	6.55	6.55	2.19						
10	6.7 (6.9)	6.7	6.75	6.78	2.10						
11		7.7	7.8	7.75	1.61						
12		8.3	8.1	8.20	1.38						
13		9.1	8.7	8.90	1.19						
14		9.3	9.1	9.20	1.04						
15		9.4	9.5	9.45	1.19						
16	9.7 (9.70)	9.7	9.65	9.68	1.26						
17	9.8 (9.75)	9.7	9.65	9.70	1.34						
18		7	10.0	10.0	1.56						

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Scale m mc 5031 R Can. Ven. 13h 36m +40.0° Act. corr +.13

	Sc 1	Sc 2	Lu	Magn	sc. 1	P. C.	Sc 2		
a	B						8.4	-2.17	6.23
b	B						9.2	-2.18	7.02
c	B						9.4	-2.15	7.25
d	3.5 3.3p		3.68	7.18			9.5	-2.13	7.37
e	3.8 3.6		3.52	7.32			9.7	-2.09	7.61
f	4.9 4.7		2.95	7.85			10.0	-2.00	8.00
g	6.3 6.1	6.30 00	6.3	2.24	8.54				
h	6.8 6.6	6.75 02	6.7	2.04	8.79				
k			7.4	1.73	9.13				
l			7.3	1.78	9.08				
m			8.3	1.33	9.63				
m'			8.7	1.20	9.90				
n			8.1	1.41	9.51				
o			8.3	1.33	9.63				
p			9.3	1.16	10.46				
q			9.8	1.37	11.17				
r			7						
s		9.7 9.65 10	9.6	1.26	10.91				
T		9.9 9.90 00	9.9	1.50	11.40				

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Monday, February 26, 1917

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Scale m mc 5031 D m $13^h\ 36^m$ +40.0 Dec. corr +.13

	Sc 1	Sc 2	Cur	Magn
1	5.7 (5.9, 6.8)		2.43	8.33
1a	6.6	6.75 (0, 1) 6.7	2.04	8.79
2	6.9 (7.1)	7.25 (1, 2) 7.4	1.80	9.05
2a		7.7	1.58	9.28
2b		7.9	1.50	9.40
3		8.4	1.30	9.70
3a		8.7	1.20	9.90
3b		9.5	1.22	10.72
4	9.7	9.65 (9.6, 10) 9.6	1.26	10.91
5	9.8	9.90 (9.9, 1.1) 10.0	1.50	11.40

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Monday, February 26, 1917

YELLOW

Scale m mc 5032 D m 13h 40m +30.0° Ref. corr +.12

	Sc 1 (4.0)	Sc. 2	Ru	Magn	Sc. 1	P. C.	Sc. 2		
a	3.8		3.40	~~7.90~~ 7.9			9.6	-2.12	7.48
B	5.1 (5.3)	5.40 (1)	5.5	2.68	8.08		7		
1	6.6 (6.8)	6.75 (01)	6.7	2.04	8.79				
1a			7.6	1.63	9.23				
2			8.7	1.20	9.90				
3			8.7	1.20	9.90				
4			9.1	1.14	10.24				
4a	9.7	9.70 (00)	9.7	1.30	11.00				
4b	9.8	9.85 (01)	9.9	1.40	11.25				
5			8.6	1.23	9.83				
6	7	7							

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Scale m MC 5033 B 6 $14^h\ 40^m\ +45.0^\circ$ alt. corr +.12

	Sc 1	Sc. 2	Cr	Magn	Sc. 1	P.C.	Sc. 2	Cr	Magn
1	B						8.7	-2.19	6,51
2	B						8.8	-2.19	6,61
3	B						8.8	-2.19	6.41
4	B						8.1	-2.13	5,97
5	B						9.3	-2.17	7.13
6	3.8 (4.0)		3.40	7.40			9.6	-2.12	7.48
7	Do not measure						J		
8	4.8 (5.0)		2.88	7,88					
9	5.9 (6.1)		2.36	8,46					
10	6.6 (6.8)	6.75 0.1	6.7	2.04	8,79				
11			7.3	1.77	9.07				
12	6.9 (7.1)	7.20 1.1	7.3	1.84	9,04				
13			7.8	1.53	9,33				
14			8.5	1.26	9,76				
15			8.6	1.23	9,83				
16			8.4	1.30	9,70				
17			8.1	1.40	9,50				
18			8.9	1.16	10,06				
19			9.6	1.25	10,85				
20			9.7	1.30	11,00				
21			10.0	1.58	11,58				
22		J							
23		J							
24		9.75 0.5 9.7	9.8	1.32	11,07				
25	n.s.								
26		10.00 0.0 10.0	10.1	1.58	11,58				

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Monday, February 26, 1917

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Scale m MC 5034 + DM $14^h\ 40^m$ $+30.0^\circ$ Att. corr +.12

	Sc 1	Sc 2	Cu	Magn Sc 1	P.C.	Sc 2		
1	3.9 3.7		3.46	7,36		9.6	-2.12	7,48
1a	5.3 5.1		2.74	8,04		10.0	-2.00	8.00
2		7.6	1.63	9,23				
2a		7.8	1.53	9,33				
2b		8.4	1.30	9,70				
2c		8 8	1.18	9,98				
3	6.9 6.7	6.80 11 6.7	2.02	8,82				
4		7.3	1.79	9,09				
5		9.4	1.19	10,59				
5a		9.7	1.30	11,06				
5b		9.9	1,51	11,40				
6	9.1	9.10 00 9.1	1,14	10,24				
7	10.0	10.80 00 10.0	1,58	11,58				
8		7						

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Scale m mc 5035 R U Boötis $14^h 40^m$ +25.0 alt. cor +.11

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
	3.6								
1	3.4		3.63	7.23			9.6	-2.12	7.48
	5.7								
2	5.5		2.54	8.24			7		
	6.9								
3	6.7	6.85 .10 6.8	2.00	8.85					
4	6.8	6.95 .25 7.1	1.95	8.90					
4a		7.3	1.78	9.08					
4b		8.4	1.30	9.70					
5		8.4	1.30	9.70					
5a		8.8	1.18	9.98					
6		9.5	1.22	10.72					
6a		9.8	1.35	11.15					
6b		9.7	1.30	11.00					
		9.30 .06							
7	9.3	9.3	1.16	10.46					
		9.95 .01							
8	10.0	9.9	1.53	11.48					
9		7							

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Monday, February 26, 1917

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Scale m MC 5036 Pole

	Sc 1	Sc 2	Sc 1	P.C.	Sc 2
			6.3 (6.5)	6.45 (10)	6.4
1					7.8
4					8.7
5	B				9.2
6	B				9.5
7	3.6 (3.8)				10.0
8	5.2 (5.4)				
9	6.4 (6.6)	6.55 (01) 6.5			
10	6.6 (6.8)	6.75 (01) 6.7			
11		7.8			
12		8.1			
13		8.7			
14		9.1			
15		9.5			
16		9.6 (9.65 01) 9.7			
17		9.7 (9.65 10) 9.6			
18		10.0 ↓			

See page 147

3.55

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Thursday, March 1, 1917

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9.15

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Series mc 74

Scale m mc 3191 B6 14 40 +45.0 alt cor +.13

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	B						9.4	-2.88	6.52
2	B						9.2	-2.81	6.39
3	B						9.2	-2.81	6.39
4	B						7.7	.	.
5	B						9.7	-2.97	6.73
6	B						f		
7	Do not measure								
8	4.7 (4.9)		2.90	7.80					
9	5.7 (5.9)		2.44	8.34					
10	6.6 (6.8)	6.70 01 6.7	2.06	8.81					
11	6.6 (6.8)	6.75 01 6.7	2.06	8.81					
12	6.6 (6.8)	6.75 01 6.7	2.06	8.81					
13		7.7	1.73	9.43					
14		8.3	1.55	9.85					
15		8.4	1.52	9.92					
16		8.1	1.60	9.70					
17		7.8	1.70	9.50					
18		8.6	1.47	10.07					
19		9.2	1.36	10.56					
20		9.1	1.37	10.47					
21		9.8	1.40	11.20					
22		9.8	1.40	11.20					
23	X	f							
24		9.5 9.4 (9.45 10)	1.35	10.80					
25		n.s							
26		9.8 9.7 (9.76 01)	1.38	11.13					
27		f							

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Shut no 364

Scale m mc 3192 Pole

	Sc.1		Sc.2	3196 p159		Sc.1	P.C.	Sc.2	
5	B							9.3	9.2 9.25[10] −2.82
6	3.8 3.6			3.5 3.65[21]	3,33			10.0	10.0 10.00[00] −3.02
7	B			.	.			10.0	. 10.0[2] −3.57
8	5.5 5.3			5.0 5.25[32]	2,78				
9	6.6 6.4	6.55[01]	6.5	6.50 6.52[03 02]	2,22				
10	7.0 6.8	7.05[01]	7.1	6.90 6.98[07 05]	1.90				
11			7.6	7.6 7.60[00]	1,76				
12			7.9	7.9 7.90[00]	1,68				
13			8.6	8.7 8.65[01]	1,48				
14			8.9	8.9 8.90[00]	1.34				
15			9.4	9.2 9.30[11]	1.34				
16			9.6	9.7 9.65[01]	1.29				
17		9.8 9.75[01]	9.7	9.60 9.68[07 08]	1.36				
18		7	10.0	10.0 10.00[00]	1.56				

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Scale m MC 3194 D8 15 00 -15.0 Ret corr -.10

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
1	B						10.0	-3.04	6.96
2	B						〃		
3	3.5 3.3		3.44 3.73	6.94			〃		
4		n.s.							
5	5.1 4.9		2.88 2.90	7.90					
6	5.0 4.8		2.86	7.86					
7	5.5 5.3		2.82	8.12					
8	4.9 4.7		2.90 3.00	7.80					
9	5.6 5.4		2.86	8.16					
10	5.9 5.7		2.45 2.50	8.35					
11	6.6 6.6		2.08	8.84					
12	5.9 5.7	5.85 10	5.8	2.48 2.54	8.33				
13	5.6 5.4	5.55 01	5.5	2.80	8.15				
14		7.8		1.70	9.50				
15		7.9		1.66	9.56				
16		8.1		1.60	9.70				
17		8.2		1.57	9.77				
18		9.2		1.41 36	10.56				
19		8.8		1.45 3	10.23				
20		8.6		1.49	10.07				
21		8.9		1.48 0	10.30				
22		10.0 10.00 00	10.0	1.50	11.50				
23		9.2 9.1 9.15 01		1.41 36	10.51				
24		9.1 ~~7.8~~		1.42 36	10.46				
25		n.s							

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Thursday, March 1, 1917

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Scale m mc 3195 C8 15 00 +15.0 alt. corr +.09

	sc.1	sc.2		Inc	Magn	sc.1	P.C.	sc.2		
1	B							9.9	-3.03	6.87
2	B							9.8	-3.00	6.80
3	5.6 5.4			2.57	8.17					
4	n.s.									
5	B							J.P.		
6	3.9 3.7			3.31	7.21			9.9	-3.03	6.87
6a	4.9 4.7			2.90	7.80					
7	n.s									
8	4.7 4.5			3.00	7.70					
9	5.5 5.3	5.45	1°	5.4	2.65	8.10				
10				7.6	1.76	9.36				
11	7.0 6.8	7.05	01	7.1	1.97	9.02				
12	6.5 6.3	6.50	°°	6.5	2.18	8.68				
14				7.6	1.76	9.36				
15				8.2	1.57	9.77				
16				8.5	1.50	10.00				
17				7.6	1.76	9.36				
18				8.7	1.45	10.15				
19				8.4p	1.52	9.92				
20				7.8	1.70	9.50				
20a				8.8	1.43	10.23				
20b				9.2	1.36	10.56				
21				9.5	1.36	10.86				
22				9.8	1.40	11.20				
23				9.9	1.44	11.34				
24	10.0	10.00	°°	10.0	1.48 50	11.50				
25	10.0		J		1.50	11.50				
13	6.7 6.5				2.10 2.20	8.80				

Remeas. by O. Aug. 25, '17

6) 3.3

6a) 4.3 4.4

8) 4.1

no error of meas. in brig. measures. also reductions OK.

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Thursday, March 1, 1917

YELLOW

Scale m MC 3196 Pole

	Sc.1	Sc.2	Sc.1 P.C.	Sc.2
5	B			9.2
6	3.3			10.0
7	B p			7
8	4.8			
9	6.4	6.50 11 6.4		
10	6.7	6.90 00 6.9		
11		7.6		
12		7.9		
13		8.7		
14		8.9		
15		9.2		
16		9.7		
17		9.6 9.60 00 9.6		
18		10.0 10.00 00 10.0		

See page 156

10.45

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YELLOW

9.30

Friday. March 2, 1917

Series mc 74

Scale m

mc 3196 Pole

	Sc 1		Sc. 2	3202 pl65		Sc 1	P.C.	Sc. 2		
5	B 3.7							9.3	9.3 a'	-2.87
6	3.5			3.9	3.80 1'	3.18		10.0	10.0 a''	-3.02
7	Bp 5.0			3.5	3.5 a'	3.96				
8	4.8			5.1	5.06 01	2.98				
9	6.5 6.3	6.45 10	6.4	6.5	6.50 0505	2.24				
10	6.9 6.7	6.85 10	6.8	6.80	6.82 0302	2.06				
11			7.6	7.7	7.65 01	1.71				
12			7.8	7.9	7.85 01	1.78				
13			8.5	8.6	8.55 10	1.53				
14			8.8	8.9	8.85 01	1.39				
15			9.2	9.3	9.25 01	1.39				
16			9.5	9.6	9.55 10	1.39				
17		9.55 01 9.6	9.5	9.70	9.62 0708	1.42				
18		10.00 00 10.0	10.0	10.00	10.00 00	1.56				

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Friday, March 2, 1917

YELLOW

Scale m mc 3197 R Herculis 16 02 +18.6 alt corr +.10

	Sc.1	Sc.2	Re	magn	Sc.1 · P.C.	Sc.2
a	4.5 4.3		3.20	7,70		7
b	4.7 4.5		3.10	7,80		
c	4.8 4.6		3.05	7,85		
d	5.3 5.1		2.80	8,10		
e	5.4 5.2		2.76	8,16		
f	6.0 5.8		2.47	8,47		
g	6.8	6.85 21	6.7	2.07	8,92	
h	6.9 6.7	6.85 10	6.8	2.07	8.92	
k			7.7	1.73	9.43	
l			7.7	1.73	9.43	
l'			8.4	1.52	9,92	
m			8.8	1.45	10,25	
n			9.1	1.42	10,52	
n'			9.4	1.40	10,80	
o	9.6	9.35 01	9.5	1.42	10,97	
p	9.9	9.90 00	9.9	1.50	11,40	
q	J. P.					
r	7		10.0	1.52	11,52	
s			7			

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Friday, March 2, 1917

YELLOW

Scale m mC 3198 α Herculis 16 21 +19.1 Aft corr +.10

	Sc 1	Sc 2	Cu. Magn	Sc 1	P.C.	Sc 2
a	B					7.7 .
b	off plate					
c	B					8.6 .
d	off plate					
e	B					9.9 −3.01 ∗6.89
f	3.4 3.2		3.77	7.17		7
g	3.6 3.4		3.67	7.27		
h	3.8 3.6		3.58	7.38		
k	4.4 4.2		3.26	7.66		
l	5.5 5.3		2.70	8.20		
m	4.9 4.7		3.00	7.90		
n	5.8 5.6		2.55	8.35		
o	6.6 6.4	6.50 11 6.4	2.24	8.74		
p	7.0 6.8	6.90 11 6.8	2.05	8.95		
p'		7.6	1.76	9.36		
q		7.8	1.70	9.50		
q'		8.5	1.50	10.00		
r		8.7	1.46	10.16		
r'	9.1	9.15 10 9.2	1.41	10.56		
s	9.5	9.45 10 9.4	1.43	10.8 8		
t		7				

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Scale mv | mc 3199 | W Herculis | 16 32 +37.5 | Obs. corr +13

	Sc. 1	Sc. 2	Cu	magn
a	4.5 (4.7)		3.10	7,80
b	4.3 (4.5)		3.20	7,70
c	5.5 (5.7)		2.60	8,30
d	5.6 (5.8)		2.55	8,35
e	6.6 (6.8)		2.08	8,88
f	6.7 (6.9)	6.90 00	6.9	2.05	8,95
g	6.7 (6.9)	6.80 12	6.7	2.08	8,88
h			7.7	1.73	9,43
k			7.8	1.70	9,50
l			8.3	1.53	9,83
l'			8.7	1.46	10,16
l²			8.9	1.43	10,33
m			9.3	1.40	10,70
n		9.6 (9.40 00)	9.6	1.42	11,02
o		9.9 (9.92 00)	9.9	1.50	11,40
p		7			

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Scale m MC3200 Cg 17 00 +15.0 Rib corr +.10

	Sc.1	Sc.2	Cu	magn	Sc.1 P.C.	Sc.2		
1	B					7		
2	B					9.8	-3.00	6.80
3	B 3.9					9.7	-2.98	6.72
3a	3.7		3.55	7.15				
4	3.3		3.72	7.22				
5	4.4 4.6		3.17	7.77				
6	4.9 5.1		2.90	8.00				
6a	4.6 4.8		3.05	7.85				
7	4.2 4.4		3.27	7.67				
8	5.9 6.1	6.10.00	6.1	2.42				
8a	6.8 7.0	7.05.0'	7.1	2.00				
9			7.8	1.70				
10			8.4	1.52				
11	6.3 6.5	6.55.20	6.6	2.22				
12			7.7	1.73				
13			7.8	1.70				
14			8.7	1.46				
15			8.5	1.50				
16	10.0	10.00.00	10.0	1.52				11.52
17	100	10.00.0	10.0	1.52				11.52
18			n.s					

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Scale m MC 3202 Pole

	Sc.1	Sc.2	Sc.1 P.C. Sc.2
			Superposed
5	B		
6	3.7 (3.9)		10.0
7	3.3 (3.5 3.1)		7
8	4.9 (6.6)		
9	6.4	6.55 01 6.5	
10	6.7 (6.9)	6.80 11 6.7	
11		7.7	
12		7.9	
13		8.6	
14		8.9	
15		9.3	
16		9.6 (9.7000)	
17	9.7	9.7	
18	10.0 (10.0000)	10.0	

See page 160

10.50

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YELLOW

Wednesday, March 7, 1917

Sheets no 367

9.30

Series MC 686

Scale m

MC 11143 Pole

	Sc 1		Sc 2	11148 p173			Sc 1	P.C	Sc 2			
5	J.P.								9.1	9.3	$9.20^{-.1}$	-2.77
6	5.3				$5.5^{.3}$	1.48			9.9	9.9	$9.90^{.00}$	-2.92
7	5.8	$5.90^{.11}$	5.8	5.95	$5.92^{.03}$	1.54						
8	6.1	$6.25^{.10}$	6.2	6.35	$6.30^{.05}$	1.73						
9			7.4	7.4	$7.40^{.00}$	1.34						
10			7.7	7.8	$7.75^{.10}$	1.13						
11			8.7	8.7	$8.70^{.00}$	0,66						
12			8.8	8.9	$8.85^{.01}$	0,73						
13			9.3	9.4	$9.35^{.10}$	0,73						
14			9.5	9.6	$9.55^{.10}$	969						
15		$9.85^{.10}$ 9.9	9.8	9.85	$9.85^{.00}$	0,79						
16		$9.95^{.01}$ 100	9.9	10.00	$9.98^{.02}$	0.96						
17			J									
18												

Diff. Images

	Sc 1	Sc 2		Sc 1	Sc 2			
5	9.2	$9.15^{.01}$		9.1	9.15	$9.15^{.00}$	$^{.00}$	-2.72
6	9.8	$9.80^{.00}$		9.8	9.80	$9.80^{.00}$	$^{.00}$	-2.82
7	J			J				

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Ser 686

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Card.

Scale m mc 11144 B7 $17^h\ 20^m\ 50^s\ +45^\circ\ 0$ add. corr +.10

	Sc 1	Sc 2	Cu	magn	Sc 1	P. C.	Sc 2		
1	J.P.						9.4	-2.72	6.68
2	J.P.								
3	B						8.7	.	.
4	B.P.								
5	J.P.						18.0	-2.93	7 ~~8~~.07
6	J.P.								
7	5.7 (5.9)		1.62	7,52					
8	3.7 (3.9)		.	.			9.7	-2.88	6.82
9	5.3 (5.15)		1.50	7,00					
10	6.6 (6.7)		1.57	8,37					
11	6.8 (7.0)		1.49	8,49					
12	5.8 (6.0)	5.85 21	5.7	1.60	7,45				
13	5.7 (5.9)	5.85 10	5.8	1.60	7,45				
14		8.2		0.94	9,14				
15		7.7		1.19	8,89				
16		8,9		0.71	9,61				
17		9.3		0.69	9.99	Diff. Images			
18		9.3		0.69	9,99	Sc 1 (9h) Sc 2		Sc 1 (2h) Sc 2	
19		8.6		0.78	9,38 1	9.4	9.35 01	9.3	-2.78 6,57
20		9.3		0.69	9,99 2	〃		〃	
21		9.6		0.74	10,34 3	7.9	7.85 10	7.8	
22		9.7		0.76	10.46 4	〃		〃	
23	9.8 (9.80 00)	9.8		0.80	10,60 5	〃		〃	
24		f			8	9.6	9.60 00	9.6	-2.82 6,78
25	10.0 (10,00 00)	10,0		0.97	10.97				

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Wednesday, March 7, 1917

YELLOW

Ser. 686

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Cand.

Scale m MC 11145 Poor Scat. Sob. $18^h\ 49^m\ 50^s$ -2.5° Dist. one to 1

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2		
1	J.P.						9.2	-2.78	6,42
2	J.P.						9.3	-2.80	6,50
3	J.P.						9.8	-2.90	6,90
4	5.8 5.6			1.60	7,40				
5	6.8 6.6	6.75 02	6.7	1.58	8,33				
6	6.9 6.7	6.85 10	6.8	1.56	8,41				
7			7.4	1.32	8,72				
8			7.4	1.32	8,72				
9			8.1	1.00	9,10				
10			8.3	0.90	9,20				
11			7.7	1.20	8,90				
12			9.3	0.69	9,99				
13		9.7000	9.4	0.70	10,10				
14	9.7	10.0000	9.7	0.76	10,46				
15	10.0	10.0	.		.				

Diff. Images

	Sc 1 gs	Sc 2	Sc 1 Pr	Sc 2		
1	9.1	9.10 00	9.1		-2.70	6,40
2	8.8	8.75 02	8.7		-	.
3	9.7	9.70 00	9.7		-2.83	6,87
4	M		10.0		-2.85	7,15

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Wednesday, March 7, 1917

YELLOW

Cand.

Scalem MC 11146 R Z Lyrae $18^h\ 30^m$ $+32^\circ.5$ 2d. cor. + 11

	Sc.1	Sc.2	Lu	Magn
a		8.9	0.71	9.61
b		8.8	0.73	9.53
c		9.3	0.69	9.99
d		9.7	0.76	10.46
e		9.8	0.80	10.60

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Wednesday, March 7, 1917

YELLOW

Cand.

Scale m MC 11146 D m $18^h\ 30^m\ +32.5^\circ$ Alt. corr. +11

	Sc 1	Sc 2	Cu	Magn
1		7.8	1.13	8,93
2		8.3	0.90	9.20
2a		8.5	0.83	9,33
3		8.9	0.71	9,61
3a		9.1	0.70	9,80
3b		9.4	0.70	10,10
4		9.6	0.74	10,34
5	9.9 (9.96)	9.9 (10.00)	0.90	10,80
5a	10.0	10.0	·	·
6		9.6	0.74	10,34
6a		9.7	0.77	10,47

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Wednesday, March 7, 1917

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Card

YELLOW

Scale m MC 11147 N.G.C. 6709 18 40 +10 Diff. corr +.06

	Sc.1	Sc.2	Cu	Magn
1		7.3	1.37	8,67
2		8.1	1.00	9.10
2a		7.7	1.20	8,90
2b		8.3	0.90	9,20
2c		9.3	0.69	9.99
3		9.2	0.69	9,89
4		9.6	0.74	10,34
4a	10.0 (9.95)	9.9	0.98	10.93
4b	10.0 (10.00)	10.0		
5		7		
5a		7		

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Wednesday, March 7, 1917

YELLOW

Scale m mc 11148[7] Dm 18h 40m +10.0 Alt corr +.06

	Sc 1		Sc 2	Cu	Magn
	6.0				
1	5.8	5.90 [1]	5.8	1.62	7,52
	7.0				
2	6.8	6.96 [2]	6.9	1.50	8,45
3			7.8	1.13	8,93
4			8.3	0.90	9.20
5			8.5	0.84	9,34
6			8.6	0.78	9,38
7			9.3	0.69	9,99
8			9.3	0.69	9.99
9			9.7	0.77	10,47
10			9.8	0.80	10,60
		9.90 [3]			
11		9.9	9.9	0.90	10,80
		10.00 [4]			
12		10.0	10.0		

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Wednesday, March 7, 1917

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Scale m MC 11148 Pole

	Sc 1	Sc 2
5	J. P.	
6	J P	
7	5.9 (6.1) (5.95 12)	5.8
8	6.1 (6.3) (6.35 10)	6.4
9		7.4
10		7.8
11		8.7
12		8.9
13		9.4
14		9.6
15	9.9 (9.85 10)	9.8
16	10.0 (10.00 0)	10.0
17		J
18		

Sc 1	P. C.	Sc. 2
		9.3
		9.9

Diff. Images

	Sc 1 & Sc 2		Sc 1 & Sc 2
5	9.1	(9.15 10)	9.2
6	9.8	(9.80 0)	9.8
7	J		J

Sup page 164

11.00

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1917phae.proj.1024L

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YELLOW

Thursday, March 8, 1917

10.20

Sheet no 367

Series mc 686

Scale m

mc 11143 Pole

	Sc.1		Sc.2	11148 p177			Sc1	Sc.2			
5	J.P. 5.5							9.3	9.3	9.30^{00}	−2.87
6	5.3				$5.5^{0.2}$	1.48		10.0	9.9	$9.95^{0\pm}$	−2.97
7	5.8 6.0	$5.90^{1\pm}$	5.8	5.95	$5.92^{0.03}$	1.54					
8	6.1 6.3	6.30^{00}	6.3	6.35	$6.32^{0.03}$	1.71					
9			7.4	7.4	7.40^{00}	1.34					
10			7.8	7.8	7.80^{00}	1.08					
11			8.7	8.6	8.65^{10}	0.71					
12			9.1	8.9	$9.00^{1\pm}$	0.58					
13			9.3	9.3	9.30^{00}	0.78					
14			9.5	9.5	9.50^{00}	0.74					
15		$9.80^{1\pm}$ 9.9	9.7	9.90	$9.85^{0.05}$	0.79					
16		10.00^{00} 10.0		10.00	$10.00^{0.00}$	0.94					
17											
18											

Diff. Images

	Sc1 g Sc2		Sc1 h Sc2			
5	9.2	$9.15^{0\pm}$	9.1	9.25	$9.20^{0.05}$	−2.77
6	9.9	9.90^{00}	9.9	9.90	$9.90^{0.00}$	−2.92

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Thursday, March 8, 1917

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Card.

Salem mc 11150 a3 20h 00m 25s +75.0 alt. cor +.05

	sc 1	sc 2	Cu	magn	sc 1	sc 2	Cu	magn
1	off plate							
2	" "							
3	5.3p (5.5)		1.73	7,23		7		
4	Y. P.					9.8	-2.95	6,85
5	B					9.4	-2.88	6,52
6		7.4	1.25	8,65				
6a		7.3	1.30	8,60				
7	4.8 (5.0) 5.15 (3')	5.3 (7)	.	.		9.8	-2.95	6,85
8		~~8.9~~	1.00	8,90				
9		8.1	0.90	9,00				
10		8.3	0.85	9,15				
11		7.9	1.00	8,90				
12		8.6	0.77	9,37				
13		8.7	0.73	9,43				
14		9.3	0.70	10.00				
15		9,1	0.70	9,80				
16		8,8	0.71	9,51	Diff. Images			
17		9,6	0.76	10,36	Sc 1 (9.) Sc 2		Sc 1 Sc 2	
18	9.7 (9.75 10)	9.8	0.80	10,55 3	10.0		7	-2.97 7,03
19	9.9 (9.85 11)	9.8	0.84	10,69 4	9.9	9.90 00	9.9	-2.94 6,96
20	9.7 (9.70 00)	9.7	0.78	10,48 5	9.1	9.00 12	8.9	-2.70 6,30
21		7		7	9,8	9.85 01	9.9	-2.93 6,92

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1917phae.proj.10241

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YELLOW

Thursday, March 8, 1917

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Card.

Salem MC 11151 B8 20 00 + 45.0 Rec. corr. +.12

	Sc 1	Sc 2	Cr	Magn	Sc 1	Sc 2		
1	J. P. edge							
2	5.7 (5.9)		1.69	7.59				
3	4.9 (5.1)		.	.		10.0	-2.97	7.03
4	6.6 (6.8)		1.50	8.30				
5	6.8 (7.0)	6.95 0.1	6.9	1.44	8.39			
6	6.6 (6.8)	6.75 0.1	6.7	1.52	8.27			
7			7.7	1.10	8.80			
8			7.7	1.10	8.80			
9			7.6	1.15	8.75			
10			7.8	1.04	8.84			
11			8.7	0.73	9.43			
12			8.4	0.80	9.20			
13			8.8	0.71	9.51			
14			9.2	0.70	9.90			
15			8.8	0.71	9.51			
16			9.1	0.70	9.80			
17			9.5	0.74	10.24	Diff. Images		
18	9.8 9.80 00	9.8		0.83	10.63	Sc 1 9 Sc 2	Sc 1 h Sc 2	
19	9.4 9.40 00	9.4		0.73	10.133	9.9	9.95 10	10.0 -2.97 7.98
20	9.7 9.65 10	9.6		0.76	10.412	J		10.0 -2.98 7.02

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1917phae.proj.1024L

Thursday, March 8, 1917.

YELLOW

Scale m mc 11148 Pole

	sc.1	sc.2	sc.1	sc.2
5	5.9p			9.3
6	~~5.2p~~ 6.0			9.9
7	5.8p	5.95 5.9p		
8	6.7	6.35 6.4		
9		7.4		
10		7.8		
11		8.6		
12		8.9		
13		9.3		
14		9.5		
15	9.9	9.90 9.9		
16	10.0	10.00 10.0		
17		7		
18				

Diff. Images

	g sc.1	g sc2	h sc1	h sc2
5	9.3	9.25	9.2	
6	9.9	9.90	9.9	

See page 174

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YELLOW

11.20

Friday, March 9, 1917

Sheet no 368

Series mc 691

Scale m

mc 11316 Pole

11321 P 185

	Sc 1	Sc 2			
1					
4					
5	B				
6	B				
7	B				
8	3.8 3.6		3.9	3.85 c1	4.08
9	5.0 4.8		5.3	5.15 ±1	3.59
10	5.6 5.4		5.7	5.65 01	3.23
11	6.8 6.6	6.75 01	6.7	6.65 6.70 05 05	2.66
12	6.9 6.7	6.85 10	6.8	7.00 6.92 2705	2.66
13			7.8	7.8 7.80 00	2.28
14			8.2	8.3 8.25 01	1.99
15			8.7	8.7 8.70 00	1.94
16			9.1	9.1 9.10 00	1.84
17			9.3	9.2 9.25 10	1.79
18		9.75 01 9.8	9.7 P	9.75 9.75 00 00	1.81
19		9.95 01 10.0	9.9	10.00 9.98 03 02	1.96
20			7		

	Sc 1	P.C.	Sc 2		
	5.8 5.6	5.95 01	5.7	5.75 ±1	-1.31
			7.8	7.7 7.75 01	-1.89
			8.4	8.5 8.45 01	-2.02
			9.2	9.2 9.20 00	-2.22
			9.7	9.5 9.60 11	-2.14
			10.0	9.8 9.90 11	-1.87

Diff. Images

	g Sc 1	Sc 2	P Sc 1	Sc 2		
1	J.P.		J.P.			
4	7.3	7.3	J.P.		7.3 ±1	-1.44
5	7.5	7.60 ±1	7.7	7.75	7.68 05 07	-1.23
6	8.7	8.70 00	8.7	8.65	8.68 02 03	-1.70
7	9.1	9.20 ±1	9.3	9.00	9.10 10 12	-1.64
8	9.8	9.85 00	9.9	9.90	9.88 03 02	-1.85

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Card.

Scale m mc 11317 D11 $20^h 59^m 45^s - 15.0$ Aa. cor - 12

	Sc.1	Sc.2	Cu	magn	Sc.1	P.C.	Bc.2	Cu	magn
1	B						8.7	-2.10	6.60
2	B						7		
3	B						8.8	-2.13	6.67
4	B						9.9	-1.96	7.94
5	B						9.6	-2.10	7.50
6	B						9.9	-1.96	7.94
7	B						10.0	-1.87	8.13
8	B						9.9	-1.96	7.94
9	Bp						7		
10	B						10.0	-1.87	8.13
11	B						7		
12	4.9 (5.1)		3.51	8.61					
13	B						10.0	-1.87	8.13
14	6.5 (6.7)	6.65 (10)	6.6	2.73	9.38				
15		7.3	2.44	9.74					
16	5.8 (6.0)	6.05 (01)	6.1	3.02	9.07				
17	5.7 (5.9)	5.90 (00)	5.9	3.10	9.00				
18		7.6	2.33	9.93					
19		7.4	2.40	9.80					
20		7.6	2.33	9.93					
21		8.2	2.07	10.27					
22		7.4	2.40	9.80					
23		8.7	1.92	10.62					
24		7.4	2.40	9.80					
25		9.3	1.80	11.10					

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Scale m

MC 11317 (cont.)

	sc.1	sc.2	Cu	Magn
26		9.4	1.80	11.20
27		9.3	1.80	11.10
28		9.2	1.81	11.01
29	9.8 9.85 01	9.9	1.85	11.70
30	〃	〃		
31	9.9 9.90 00	9.9p	1.90	11.80

diff. images

Cat. cor. -.12

	sc1	sc2		sc1	sc2	Cu	Magn
1	7.8	7.75 01		7.7		-1.48	6.34
2	10.0	9.95 01		9.9		-1.86	8.09
3	8.7p	8.70 00		8.7		-1.65	7.05
4	9.8	9.75 01		9.7		-1.83	7.92
5	8.8	8.75 01		8.7		-1.67	7.08
6	9.8p	9.70 11		9.6		-1.83	7.87
7	10.0	9.90 11		9.8		-1.84	8.06
8	9.4	9.45 01		9.5p		-1.79	7.66
9	10.0	10.00 00		10.0		-1.86	8.14
10	9.4	9.50 11		9.6		-1.80	7.70
11	9.7	9.80 11		9.9		-1.83	7.97
12	〃			〃			
13	9.8	9.80 00		9.8		-1.83	7.97

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YELLOW

Card.

Scale m mc 11 ~~19~~ 31 8 Dm 20h 10m +27.5° alt. cor +.09

	Sc 1	Sc 2	Cu	magn	Sc 1	P.C.	Sc 2
1	B						7
2	5.1 (5.3)		3.40	8,70			
3	5.9 (6.1)	6.00 11 5.9	3.04	9.04			
4	6.7 (6.9)	6.86 10 6.8	2.63	9,48			
5		7.6	2.33	9,93			
6		7,8	2.26	10,06			
7		7.9	2.20	10,10			
8		8.7	1.92	10,62			
9		9.1	1.83	10,93			
10		9.1	1.83	10,93			
11	9.7 (9.75 20)	9,8	1.81	11,56			
12	9.9 (9.90 00)	9.9	1.90	11,80			

diff. images

	9h Sc 1	9h Sc 2	2h Sc 1	2h Sc 2		
1	9.9	9.90 00	9.9		-1.85	8.05
2	7		7			

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Scale m mc 11 3 1 8 N.G.C. 6885 20 10 +27.5 Q1b cor +.09

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
1	B						9.4	-2.14	7,26
2	B						9.8	-2.02	7,78
3	5.0 4.8		3.57	8,57			J		
4	5.0 4.8	4.95 01 4.9	3.60	8,55					
4a	6.1 5.9	6.00 11 5.9	3.05	9,05					
4b		6.6	2.76	9,36					
4c		7.6	2.33	9,93					
5		7.9	2.20	10,10					
6		8.4	2,00	10,40					
7		8.5	1.97	10,47					
7a		8.7	1.91	10,61					
8		9.3	1.80	11,10					
9		9.5	1.80	11,30					
10		9.8	1.83	11,63					
11	J	10.0	1.97	11,97					
12	10.0	10.00 00 10.0	1.97	11,97					

diff. images

	Sc 1 gr Sc 2		Sc 1 r Sc 2		
1	8.9	8.85 10	8.8	-1.69	7,16
2	9.2	9.25 01	9.3	-1.76	7,49
3	10.0	10.00 00	10.0	-1.86	8,14

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Card.

Scale m mc 11 3 1 9 ST Cygni $20^h 30^m$ $+55.0^\circ$ Alt. cor +.10

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
a	B						9.1	-2.16	6,94
b	B						9.3	-2.16	7.14
c	B						9.7	-2.06	7.64
d	4.9 (5.1)		3.50	8,60			J		
e	5.4 (5.6)		3.25	8,85					
f	5.7 (5.9)		3.10	9,00					
g	5.7 (5.9)	6.2 (6.25 +.12)	3.03	9,08					
h	6.6 (6.8)	6.7 (6.75 +.01)	2.68	9,43					
k		8.1	2.10	10,20					
l		7.7	2.28	9,98					
m		8.4	2.00	10,40					
m'		9.1	1.83	10,93					
n		9.4	1.80	11,20					
o		8.3	2.04	10,34					
p		9.3	1.80	11,10					
q	9.7	9.8 (9.75 +.10)	1.83	11,58					
r	10.0	9.9 (9.95 -.01)	1.97	11,92					
s		J							

diff. images

	g Sc.1	g Sc.2	h Sc.1	h Sc.2		
a	8.4	8.35 -.01	8.3		-1.60	6,75
b	8.9	9.00 -.1	9.1		-1.70	7,30
c	9.3	9.30 -.0	9.3		-1.77	7,53
d	10.0	10.0	J		-1.86	8,14

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Friday, March 9, 1917

YELLOW

Card.

Scale m Mc 11320 N.G.C. 6940 $20^h 29^m 35^s$ +27.5 Alt. corr +.09

	Sc 1		Sc 2	Cu	Magn
1	4.7 4.5			3.75	8,45
2	4.8 4.6			3.68	8,48
3	5.6 5.6	5.75 °1	5.7	3.16	8,91
4			7.4	2.40	9.80
5			7.8	2.24	10,04
6	~~8.1~~ 7.9	→		2.20	10,10
6a			8.5	1.97	10,47
7	5.9 5.7	5.90 °°	5.9	3.10	9,00
8			8.9	1.87	10,77
8a			9.3	1.80	11,10
9	9.8	9.80 °°	9.8	1.83	11.63
9a	10.0	9.95 °1	9.9	1.97	11.92

diff. images

	Sc 1 (9h) Sc 2		Sc 1 (8h) Sc 2		
1	10.0	10.00 °°	10.0	-1.86	8.14
2	〃		〃		

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Friday. March 9, 1917

YELLOW

Scale m mc 11321 Pole

	Sc.1	Sc.2
1		
4		
5	B	
6	B	
7	B	
8	3.7 (3.9)	
9	5.8 (5.3)	
10	5.5 (5.7)	
11	6.4 (6.6)	6.65 01 6.7
12	6.9 (7.1)	7.00 11 6.9
13		7.8
14		8.3
15		8.7
16		9.1
17		9.2
18	9.8 (9.75 02)	9.7
19	10.0 (10.00 00)	10.0
20		J

See page 178

Sc.1	P.C.	Sc.2
		J.P.
		7.7
		8.5
		9.2
		9.5
		9.8

diff. images

	Sc1 9 Sc2	Sc1 hs Sc2	
1	J.P	J P	
4	J P	J.P.	
5	7.8	7.75 02 7.7	
6	8.6	8.65 01 8.7	
7	9.1	9.00 11 8.9	1.00
8	9.9	9.90 00 9.9	
9	J	J	

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12.55

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Series no 691

Scale m MC 11321 Pole

	Sc 1	Sc 2	11327 p190		Sc 1	P. C.	Sc 2			
1							J.P.			
4							7.7	7.8	7.75	-1.89
5	B						8.6	8.6	8.60	-2.17
6	B						9.1	9.3	9.20	-2.22
7	B						9.5	9.7	9.60	-2.14
8	3.6 (3.8)		3.9	3.85	4.18		10.0	9.9	9.95	-1.92
9	5.3 (5.5)		5.3	5.40	3.34		J			
10	5.5 (5.7)		5.45	5.58	3.30					
11	6.6 (6.8)	6.75	6.7	6.55	6.65	2.71				
12	6.7 (6.9)	6.90	6.9	7.3	7.10	2.48				
13			7.8	7.8	7.80	2.28				
14			8.3	8.2	8.25	1.99				
15			8.6	8.7	8.65	1.99				
16			8.9	9.2	9.05	1.89				
17			9.1	9.2	9.15	1.89				
18	9.5	9.55	9.6	9.8	9.68	1.88				
19	10.0	10.00	10.0	9.90	9.95	1.99	Diff. Images			
20		J		10.05	10.05	2.14	Sc 1 & Sc 2		Sc 1 by Sc 2	
							1	J.P.	J.P.	
							4	6.8p (7.0)	7.0	J.P. 7.0 -1.14
							5	7.8	7.80	7.8 7.85 7.82 -1.99
							6	8.7	8.70	8.7 8.65 8.68 -1.70
							7	9.1	9.10	9.1 9.15 9.12 -1.66
							8	9.9	9.85	9.8 9.90 9.88 -1.85
							9	J		J 10.00 10.00 -1.26

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Monday, March 12, 1917

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Card.

Scale m mc 11322 SS Cygni 21h 40m 25s +43.1 Ast. Ave 1.12

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2		
a	B						9.8	-2.06	7.74
b	4.7 4.5		3.70	8,40					
c	4.5 4.3		3.80	8,30					
d	4.9 4.7		3.61	8,51					
e	5.7 5,5	5.70	5.7	3.20	8,90				
f	6.8 6.6	6.75	6.7	2.63	9,38				
g			7.3	2.41	9,71				
h			7.8	2.20	10,00				
k			8.7	1.92	10,62				
l			8.7	1.92	10,62				
m			8.8	1.89	10,69				
n			9.3	1.84	11,14				
o			9.8	1.93	11,73				
p	10.0	10.00	10.0	2,03	12,03				
q	9.9	9.90	9.9	1.98	11,88				

Diff. Images

	Sc1	Sc2	Sc1	Sc2		
a	8.9	9.00	9.1		-1.67	7,33
b	9.9	9.90	9.9		-1.54	8,36
c	10.0	10.00	10.0		-1.50	8,50
d	10.0	9.75	9.9		-1.52	8,43

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Card.

Scale m mc 11323 D m 21h 39m 45s +62.5 Att. cor +.10

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
A	B						8.7	-2.18	6.52
B	B						9.3	-2.22	7.08
C	B						9.9	-2.00	7.90
D	3.8 3.6		4.17	7.97			9.9	-2.00	7.90
1	4.6 4.4		3.75	8.35			7		
2	5.8 5.6		3.13	8.93					
3	6.3 6.1	6.35 10	6.4	2.87	9.22				
4	6.9 6.7	7.00 11	7.1	2.54	9.54				
5			7.7	2.27	9.97				
6			7.9	2.17	10.07				
7			8.2	2.06	10.26				
8			8.5	1.97	10.47				
9			8.8	1.90	10.70				
10			9.2	1.84	11.64				
11		9.6 00 9.6	9.6	1.86	11.46				
12		9.9 9.90 00 9.9		1.96	11.86				

Diff. Images

	Sc 1 9h Sc 2		Sc 1 5h Sc 2		
A	8.6	8.65 01	8.7	-1.60	7.05
B	9.2	9.20 00	9.2	-1.68	7.52
C	9.6	9.55 01	9.5	-1.64	7.91
D	9.9	9.85 10	9.8	-1.57	8.28
1	10.0	10.0	7	-1.52	8.48

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Card.

Scale m mc 11324 Dm $2^h\ 3^m\ 39^s\ 40$ +10.0 alt. cor +.05

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
A	B						8.6	-2.17	6.43
B	B						9.8	-2.06	7.74
C	B						9.9	-2.00	7.90
1	3.6 (3.8)		4.17	7.97			10.0	-1.92	8.08
2	5.4 (5.6)	5.55 01 5.5	3.25	8.80					
3	5.6 (5.8)	5.75 01 5.7	3.14	8.89					
4		7.3	2.40	9.70					
5		7.7	2.26	9.96					
6		7.9	2.17	10.07					
7		8.4	2.00	10.40					
8		8.8	1.89	10.69					
9		9.3	1.85	11.15					
10		9.2	1.84	11.04					
11	9.9 (9.90 00)	9.9	1.98	11.88					
12	10.0 (10.00 00)	10.0	2.03	12.03					

Diff. Images

	Sc.1 g Sc.2		Sc.1 h Sc.2		
A	7.7	7.65 10	7.6	-1.34	6.31
B	9.4	9.45 01	9.5	-1.67	7.78
C	9.8	9.80 00	9.8	-1.57	8.23
1	9.9	9.85 10	9.8	-1.57	8.28

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Card.

Scale m MC 11325 Dm. $23^h\ 39^m\ 40^s$ +20.0 Det. cor +.11

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
A	B						8.7	−2.18	6.52
B	B						9.7	−2.10	7.60
C	3.9 3.7		4.13	8.03			10.0	−1.92	8.08
1	4.7 4.5		3.70	8.40			7		
2	5.3 5.1		3.40	8.70					
3	6.6 6.4	6.60 00	6.6	2.75	9.35				
4	7.1 6.9	7.10 00	7.1	2.50	9.60				
5			7.3	2.40	9.70				
6			7.6	2.28	9.88				
7			7.8	2.20	10.00				
8			8.6	1.94	10.54				
9			8.8	1.90	10.70				
10			9.2	1.84	11.04				
11		9.65 01 9.6	9.7	1.87	11.52				
12		9.90 00 9.9	9.9	1.96 ~~2.00~~	11.86				

Diff. Images

	g Sc 1	g Sc 2	p Sc 1	p Sc 2		
A	7.7	7.75 10	7.8		−1.37	6.38
B	9.2	9.15 01	9.1		−1.68	7.47
C	9.7	9.80 11	9.9		−1.58	8.22
1	7	10.0	10.0		−1.52	8.48

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Scalem Mc 11326 C1 1 00 +15.0 20. corr +.09

	Sc1	Sc2	Cu	Magn	Sc1	P.C.	Sc2	Cu	Magn
1	B						9.2	-2.22	6.98
2	B						9.3	-2.21	7.09
3	~~5.6~~ B						8.7p	-2.18	6.52
4	B						9.3	-2.21	7.09
5	4.5 4.3		3.80	8.30			J		
6	3.8 3.6 B		4.18	7.98			10 0	-1.92	8.08
7	B		.	.			9.4	-2.20	7.20
7a	5.5 5.3		3.30	8.80					
8	6.0 5.8		3.04	9.04					
9	5.3 5.1	5.30 ·· 5.3	3.40	8.70					
10	J. P.			.					
11	6.8 6.6	6.75 ·1 6.7	2.65	9.40					
12		7.4	2.37	9.77					
13	5.8 5.6	J	3.12	8.92					
13a		8.2	2.06	10.06					
14		8.1	2.10	10.20					
15		8.7	1.92	10.62	Diff. Images				
16		8.9	1.87	10.77	Sc1 Sc2		Sc1 Sc2		
17		9.6p	1.86	11.46 1	8.7	8.75 ·0	8.8	-1.63	7.12
18		9.6	1.86	11.46 2	8.8	8.85 ·1	8.9p	-1.64	7.21
18a	9.7p	9.75 ·0 9.8p	1.90	11.65 3	7.6p	7.60 ··	7.6p	-1.33	6.27
19	9.9	9.95 ·0 10.0	2.00	11.95 4	8 6	8.65 ·1	8.7	-1.60	7.05
20	of	J		5	10.6	10.00 ··	10 0	-1.52	8.48
				6	9.8	9.85 ·1	9.9	-1.57	8.28
				7	8.7	8.70 ·0	8.7	-1.63	7.07

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Monday. March 12, 1917

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Scale m Mc 11327 Pole

	Sc.1		Sc.2
1			
4			
5	B		
6	B		
7	B		
8	3.7 (3.9)		
9	5.1 (5.3)		
10	5.3 (5.15)	5.45 10	5.4
11	6.4 (6.6)	6.55 01	6.5
12			7.3
13			7.8
14			8.2
15			8.7
16			9.2
17			9.2
18			9.8
19	9.9	9.90 00	9.9
20	10.1	10.05 10	10.0

See page 186

	Sc1 P.C.	Sc 2
1	J.P.	
4		7.8
5		8.6
6		9.3
7		9.7
8		9.9
9		J

Diff. Images

	Sc1 g Sc2		Sc1 hg Sc2	
1	J P		J.P	
4	7.P		7P	
5	7.9	7.85 10	7.8	
6	8.7	8.65 10	8.6	
7	9.2	9.15 01	9.1	2.35
8	9.8	9.90 11	10.0	
9	10.0	10.00 00	10.0	

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Wednesday, March 14, 1917

YELLOW

Sheet no 366

10.45

Series mc 732

Scale m mc 11881 Pole

	Sc.1	Sc.2	11887 p193			Sc.1	P.C.	Sc.2		
1						5.7 (5.9)	5.90 00	5.9	5.90 03	−1.46
4								8.3p 8.4	8.35 10	−2.49
5	B							9.4 9.2	9.30 11	−2.84
6	B							J 9.7	9.7 03	−2.72
7	B									
8	3.8 (4.0)			4.0 03	4.03					
9	5.6 (5.8)	5.75 01	5.7	5.80	5.78 03 02	2.96				
10	6.1 (6.3)	6.35 10	6.4	6.40	6.38 03 02	2.50				
11			7.4	7.5	7.45 01	1.91				
12			7.8	7.8	7.80 00	1.78				
13			8.7	8.7	8.70 00	1.38				
14			8.9	9.1	9.00 11	1.24				
15			9.6	9.3	9.45 21	1.19				
16		9.8 (9.80 00)	9.8	9.7	9.75 05 05	1.19				
17		9.8 (9.75 01)	9.7	9.75	9.75 00 00	1.29				
18			J	10.00	10.00 01	1.56				

Diff. Images

	Sc1 & Sc2		Sc1 & Sc2			
1	J.P		J.P.			
4	~~8.3 J~~ J.P		J.P.	7.75	7.75 03	−1.89
5	8.6	8.55 01	8.5	8.35	8.45 10 10	−2.02
6	9.4	9.40 00	9.4	9.25	9.32 05 07	−2.34
7	9.8	9.85 01	9.9	9.75	9.80 05 05	−2.34
8	10.0	10.00 00	10.0	9.95	9.98 02 03	−1.95

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Wednesday, March 14, 1917

YELLOW

Cand.

Scale m MC 11882 S Cephei 21h 30m 45s +77.5° Ref, corr +.05

	Sc1	Sc.2	Cu	Magn	Sc1	P. C.	Sc.2
a	B						10.0
b	3.8 3.6		.	.			
c	3.9 3.7		4.10	8.00			
d	5.7 5.5		2.92	8.62			
e	6.9 6.7p	6.80 11	6.7p	2.29	9.09		
f	6.9 6.7p	6.80 11	6.7p	2.29	9.09		
g		7.8	1.76	9.56			
g'		8.1	1.60	9.70			
h		8.6	1.39	9.99			
k		9.2	1.21	10.41			
l		9.1	1.22	10.32			
l'		9.4 9.8 00	1.21	10.61			
l2	9.9	9.9	1.40	11.30			
l3	9.9 9.95-10	10.0	1.47	11.42			

Diff. Images

	g Sc1	g Sc2	h Sc1	h Sc2		
a	9.3	9.35 10	9.4		-2.32	7.03
b	10.0	9.95 0.2	9.9		-2.17	7.78
c	10.0	9.95 0.2	9.9		-2.17	7.78

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Wednesday, March 14, 1917

YELLOW

Copied B23:76

Card

Scale m mc 11883 C1 1h 0m 0s +15° 0′ Alt. corr +10

	Sc 1	Sc 2	Cu	Magn	Sc 1	P.C.	Sc 2	Cu	Magn
1	B						9.8	-2.77	7.03
2	B						9.9	-2.74	7.16
3	B						8.8	-2.71	6.09
4	B						9.9	-2.74	7.16
5	4.8 4.6		3.47	8.27			〃		
6	B						〃		
7	B						9.9	-2.74	7.16
7a	5.7 5.5		2.92	8.62			〃		
8	5.9 5.7		2.80	8.70					
9	5.3 5.1		3.16	8.46					
10	4.8 4.6	J.P.	3.47	8.27					
11	6.9 6.7p	6.80 1	6.7	2.30	9.10				
12			7.8	1.77	9.57				
13	5.7 5.5	5.70 0	5.7	2.92	8.62				
13a			8.8	1.30	10.10				
14			8.8	1.30	10.10				
15			9.7p	1.27	10.97				
16			9.6p	1.25	10.85				
17			9.7p	1.27	10.97	1			
18	9.9p	9.8 1.0 9.8p	1.35	11.20	2				
18a	9.9	9.9 1.0 10.0	1.47	11.42	3				
19		〃			4				
					5				
					6				
					7				
					7a				

Diff. Images

Sc 1	Sc 2		Sc 1	Sc 2	Cu	Magn
9.5	9.60 1		9.7		-2.35	7.25
9.4	9.45 0.1		9.5		-2.35	7.10
7.3	7.30 0.0		7.3		+	.
9.4	9.50 0.1		9.6		-2.36	7.14
10.0			〃			
10.0	10.00 0.0		10.0		-2.14	8.86
9.6	9.65 0.1		9.7		-2.35	7.30
〃			〃			

Images very poor. Hazy

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Wednesday, March 14, 1917

YELLOW

Scale m mc 11885 Dm 1h 00m +20° Alt. corr +.10

	Sc.1	Sc.2	Cu	Magn	Sc.1	P.C.	Sc.2	Cu	Magn
1	4.5 4.3		3.64	8.14			〃		
2	6.3 6.1		2.57	8.87					
3	6.6 6.4	6.45 21	6.3 2.50	8.95					
4	5.5 5.3	5.50 00	5.5 3.04	8.54					
5			7.4 1.97	9.37					
5a			8.1 1.60	9.70					
6			8.4 1.48	9.88					
6a			9.2 1.21	10.41					
7			9.5 1.23	10.73					
8			9.5 1.23	10.73					
9			9.6 1.24	10.84					
10	9.9 9.90 00	9.9	1.40	11.30					
11	10.0 10.00 00	10.0	1.50	11.50					

Diff. Images

	Sc1	Sc2		Sc1	Sc2		
1	10.0		9.95 00	9.9		-2.15	7.80
2	〃			〃			
3	〃			〃			
4	9.9		9.90 00	9.9		-2.20	7.70

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Wednesday, March 14, 1917

Card.

YELLOW

Scale m mc 11886 ~~Pola~~ Dm $0^h 59^m 50^s + 30.0$ Red. var +.12

	Sc.1	Sc.2	Cu	magn	Sc.1	P.	Sc.2	Cu	magn
1	B						8.8	-2.70	6.10
2	B						10.0	-	.
3	4.7 (4.9)		3.40	8.30			~~M~~		
4	5.6 (5.8)	5.75 00'	5.7	2.88	8.63				
5	6.4 (6.6)	6.65 01'	6.7	2.40	9.05				
6			7.6	1.87	9.47				
7			7.7	1.80	9.50				
8			8.6	1.38	9.98				
9			9.2	1.21	10.41				
10			9.3	1.21	10.51				
11		9.7 9.70 00	9.7	1.28	10.98				
12		10.0 9.95 01'	9.9	1.47	11.42				
~~13~~									

	Sc1 g Sc2		Sc1 h Sc2		
1	7.7	7.75 10	7.8	-2.18	5.57
2	9.7	9.70 00	9.7	-2.33	7.37
3	10.0	10.00 00	10.0	-2.13	7.87
4	~~M~~		~~M~~		

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Wednesday, March 14, 1917

YELLOW

Scale m MC 11887 Pole

	Sc 1	Sc 2	Sc 1	P.C.	Sc 2
			J.P.		
1					
4					8.4
5	B				9.2
6	B				9.7
7	B 4.7				7
8	4.5				
9	5.6 5.8	5.80°	5.8		
10	6.4 6.2p	6.40°	6.4p		
11		7.5			
12		7.8			
13		8.7			
14		9.1			
15		9.3			
16		9.7			
17	9.8	9.75° 9.7			
18	10.0	10.00° 10.0			

Diff. Images

	Sc 1 9h Sc 2		Sc 1 8h Sc 2
1	J.P.		J.P.
4	7.8	7.75°	7.7
5	8.4	8.35°	8.3
6	9.3	9.25°	9.2
7	9.8	9.75°	9.7
8	9.9	9.95°	10.0

See page 193

12.10

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Friday, March 16, 1917

YELLOW

10.20

Series MC 609

Scale m | MC 10064 | Pleiades | $3^h\ 43^m\ 10^s$ $+24^\circ 0$

	Sc 1	Sc 2	Sc 1	P.C.	Sc 2
1	B		5.5		
2	B		6.6		
3	B		6.4		
4	B				7.3
5	B				7.4
6	B				7.4
7	B				8.2
8	B				8.7
9	B				9.1
10	3.6				9.6
11	4.3				9.8
12	4.7				9.9
13	5.3				7
14	5.3				
15	5.4				
16	5.8				
17	6.4	6.7			
18	6.8	7.1			
19		7.8			
20		7.6			
21		7.7			
22		7.9			
23		8.3			
24		8.3			
25		8.6			

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Friday, March 16, 1917

YELLOW

Scale m MC 10064

	Sc1		Sc2
26			7.8
27			9.3
28			9.8
29			8.9
29a		9.8	9.8
30		10.0	10.0

(cont.)

diff. images

	Sc1 g	Sc2	Sc1 h	Sc2
1	B			B
2	5.2		5.3	
3	5.3		5.4	
4	5.9		5.7	
5	6.5		6.5	6.~~1~~
6		7.3	6.6	
7		7.8		7.7
8		8.5		8.6
9		8.7		8.9
10		9.3		9.5
11		9.1		9.9
12		9.8		9.9
13		9.9		9.9

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YELLOW

Scale m	mc 10065	Pleiades	$3^h\ 30^m\ 31^s\ +24^\circ 0$		
	Sc 1 Sc 2		Sc 1	P.C.	Sc 2
1			6.1		
2			6.7		
3			6.9		
4					7.4
5					7.6
6					7.7
7	B				8.4
8					8.8
9	B				9.1
10	J.P.				9.5
11	4.8p				9.8
12	4.8p				9.8
13	5.4				
14	5.6				
15	J.P.				
16	J.P.				
17	6.9p 7.3p				
18	7.7				
19	8.2				
20	7.8				
21	8.1				
22	n.s				
23	8.9				
24	8.6				
25	8.7				

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Friday March 16, 1917

YELLOW

Scale m MC 10065 (cont.)

	Sc.1	Sc.2
26		7.9
27		9.6
28	9.9	9.9
29	9.3	9.2
29a		n.s
30		n.s

diff. images

	g Sc1	g Sc2	h Sc1	h Sc2
1	J.P			J.P
2	J.P.			
3	5.7			
4	6.3			
5	6.7			
6		7.3		
7		8.3		
8		8.7		
9		9.1		
10		9.8		
11		9.9		
12		10.0		
13		10.0		

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Friday, March 16, 1917

YELLOW

Scale m	mc 10066		Pleiades	$3^h\ 35^m$		$+24.0^\circ$
	Sc.1	Sc2		Sc.1	P.C.	Sc.2
1				5.7		
2				6.4		
3				6.5		
4				6.7		
5						7.4
6						7.3
7						8.4
8						8.9
9						9.1
10	B					9.7
11	4.5					9.9
12	4.6					9.9
13	4.9					
14	5.3					
15	5.4					
16	6.1	6.1				
17	6.7	6.8				
18		7.4				
19		8.1				
20		7.7				
21		7.7				
22		7.9				
23		8.7				
24		8.4				
25		8.7				

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Friday, March 16, 1917

YELLOW

Scale m

MC10066

	Sc1	Sc2
26		8.2
27		9.4
28		10.0
29		9.2
29a	9.7	9.7
30	9.9	10.0

(cont.)

diff. images

	g Sc1	g Sc2	h Sc1	h Sc2
1	B		B	
2	5.4			
3	5.5			
4	6.1			
5	6.3			
6	6.5			
7	7.9			
8	8.6			
9	9.1			
10	9.6			
11	9.8			
12	9.8			
13	10.0			

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Friday, March 16, 1917

YELLOW

Scale m	mc10067 Sc 1	mc10067 Sc 2	Pleiades	$3^h\ 38^m\ 40^s$ $+24^\circ 0$ Sc. 1	P. C.	Sc. 2
1				5.2		
2				6.4		
3				6.6		
4				6.4		
5						7.3
6						7.5
7						8.3
8						8.7
9						9.2
10	B					9.5
11	4.3p					9.8
12	4.5					9.8
13	4.9					
14	5.1					
15	5.5					
16	5.6					
17	6.5	6.6				
18	6.9	7.3				
19		7.9p				
20		7.6				
21		7.8				
22		8.3				
23		8.4				
24		8.4				
25		8.6				

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Friday, March 16, 1917

YELLOW

Scale m MC 10067 (cont.)

	Sc 1	Sc 2
26		7.9
27		9.4
28		9.8
29		9.1
29a	9.6	9.7
30	9.9	9.9

diff. images

	g Sc 1	g Sc 2	h Sc 1	h Sc 2
1	B			
2	5.2			
3	5.6			
4	5.5			
5	6.3	~~7.3~~		
6	6.4			
7	7.8			
8	8.7			
9	9.1			
10	9.4			
11	9.8			
12	9.9			
13	10.0			

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Friday, March 16, 1917

YELLOW

Scale m mc 10068 Pleiades 3h 46m 40s +24° 0

	Sc. 1	Sc. 2	Sc. 1	P. C.	Sc. 2
1			5.4		
2			6.4		
3			6.5		
4			6.8		
5					7.4
6					7.6
7					8.2
8					8.7
9					9.1
10	B				9.6
11	4.4				J P
12	4.7				9.9
13	5.1				7
14	5.3				
15	5.4				
16	5.5	5.8			
17	6.2	6.3			
18		7.3			
19		7.8p			
20		7.6			
21		7.8			
22		8.1p			
23		8.4			
24		8.3			
25		8.6			

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Friday March 16, 1917

YELLOW

Scale m

TMC 10068 (cont.)

	Sc.1	Sc.2
26		8.1
27		9.4
28		9.6
29		9.2
29a	9.6	9.7
30	9.9	9.9

diff. images

	g Sc1	g Sc2	h Sc1	h Sc2
1	B			
2	5.3			
3	J.P.			
4	5.8			
5	6.6			
6	6.6			
7		7.9		
8		8.7		
9		8.9		
10		9.6		
11		9.8		
12		9.8		
13		10.0		

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Friday, March 16, 1917

YELLOW

Scale m	mc 10069		Pleiades	$3^h\ 52^m$ $+25.^\circ 7$		
	Sc. 1	Sc. 2		Sc. 1	P. C.	Sc. 2
1				5.4		
2				6.3		
3				6.5		
4				6.7		
5				~~6.9~~		7.4
6						7.6
7						8.3
8						8.6
9						8.7
10	J.P					9.4
11	J.P.					9.8
12	J.P.					9.9
13	J.P.					
14	J.P					
15	5.3					
16	5.4					
17	6.6					
18		7.4				
19		8.2p				
20		J.P.				
21		J.P				
22		8.1				
23		8.5				
24		8.6				
25		8.7				

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Friday, March 16, 1917

YELLOW

Scale m

MC 10069 (cont.)

	Sc.1	Sc.2
26		J.P.
27		9.7
28		9.8
29		8.9
29a	9.5	9.6
30	10.0	10.0

diff. images

	Sc1 Sc2	Sc1 Sc2
1	J.P.	
2	J.P.	
3	J.P.	
4	J.P.	
5	J.P.	
6	J.P.	
7	8.3	
8	J.P.	
9	J.P.	
10	J.P.	
11	10.0	
12	10.0	

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Friday, March 16, 1917.

YELLOW

Scale m	mc 10071 Sc 1	mc 10071 Sc 2	Pleiades	$3^h 43^m$ $+24.0^\circ$ Sc. 1	P.C.	Sc. 2
1				5.2		
2				6.2		
3				6.4		
4				6.6		
5						7.3
6						7.3
7						8.1
8						8.6
9						8.8
10	B					9.5
11	B					9.8
12	4.4					9.8
13	4.9					J
14	5.2					
15	5.4					
16	5.4					
17	6.3	6.6				
18	6.8	7.1				
19		7.8				
20		7.6				
21		7.7				
22		8.1				
23		8.3				
24		8.3				
25		8.5				

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Friday March 16, 1917

YELLOW

Scale m

MC 10071 (cont.)

	Sc 1	Sc 2
26		7.8
27		9.3
28		9.6
29	8.6	8.7
29a	9.7	9.7
30		J. P.

diff. images

	Sc 1 g	Sc 2	Sc 1 h	Sc 2
1	B			
2	4.9			
3	5.3			
4	5.6			
5	6.2			
6	6.4			
7	7.8			
8	8.4			
9	8.6			
10	9.5			
11	9.7			
12	9.8			
13	10.0			

~~9. 1~~ 1. 30

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Wednesday, March 21, 1917

12.20 Sheet 370

Scale m mc 6436 Z Persei

	Sc 1	Sc 2	Diff. from adopted magn. Bk 9: 39	magn. Curve	Sc 1	P.C.	Sc 2	Diff.	magn.
f							~~8.7~~		
d	B						8.7	0.92	
e	4.2 (4.4)		5.75	10.15			9.4	0.75	10.24
e'	4.4 (4.6)			10.27			9.5		10.36
f	5.2 (5.4)		5.30	10.75			9.8	0.90	10.70
g	5.1 (5.3)		5.47	10.71			9.8	0.97	

mc 9312 Z Persei

	Sc 1	Sc 2			Sc 1	P.C.	Sc 2		
d	B						9.4	0.22	
e	4.6 (4.8)		5.35	10.15			9.7	0.45	
e'	5.2 (5.4)			10.49			9.8		
f	5.7 (5.9)		4.80	10.78			~~7~~		
g	5.6 (5.8)		4.97						

	Sc 1 (g)	Sc 2	Sc 1 (h)	Sc 2		
d	9.2	9.25 01	9.3		0.87	
e	J.P.	9.4 a	= 9.4		0.75	10.15
e'	9.6	9.65 01	9.7			10.30
f	10.0	10.00 00	10.0		0.70	10.73
g	10.0	10.00 00	10.0		0.77	

30

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Wednesday, March 21, 1917

Scale m 925916 Z Persei

	Sc 1	Sc 2	Diff. from adopted Magn.	Magns
d	6.5 6.7 6.65	6.6	2.97	
e		7.3	2.85	10.12
e'		7.7		10.38
f		8.4	2.30	10.75
g		8.4	2.37	

925464 Z Persei

	Sc 1	Sc 2		
d	6.7 6.9 6.80	6.7	2.82	
e		7.4	2.75	10.11
e'		7.7		10.30
f		8.4	2.30	10.70
g		8.5	2.27	

e	f	e'	
10.15 00	10.75 01	10.27 08	
10.24 09	10.70 04	10.36 01	
10.15 00	10.78 04	10.49 14	
10.15 00	10.73 01	10.30 05	12.50
10.12 03	10.75 01	10.38 03	
10.11 04	10.70 04	10.30 05	
32	21	e' mean Magn. 10.35	21-18 ±.065
10.15	10.74		
9-7 ±.027	6-9 ±.025		

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