KG
11366
044

1915phae.proj:1045M

Genevieve F. Mathews

Book 10

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This bok examined through page 182 for underlining,
No. d. Regions only and corrections entered in Cpy. H.S.L. July 12, 1917

Genevieve T. Mathews

Record Book no. 10

Series measures

(Principally "yellow" plates)

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1915phae.proj.1045M

Monday, March 22, 1915

9.45 Inc Series 476

Scace R Inc 8147 Pole g h Pc

	Sc.1	Sc.2	mc 8152 fr11	Diff	Sc.2	mc 8152 fr11		Sc.2	8152 fr11	
5					Elong.	Elong.		B.	8.1	-1.61
6					"	"		8.6	8.7	8.65 0.1 -1.54
8					"	"	9.7 -1.47	10.2	10.3	10.25 0.1 -2.02
9					"	10.5	10.7 10.60 1.1 -1.77	10.8	10.9	10.85 0.1 -2.02
10	5.5 (5.8)		5.7	5.75 0.1 3.27	10.7 (10.75 1.0)	10.8	10.75 10.75 0.0 0.0 -1.73	11.2	11.2	11.20 0.0 -2.18
11	5.9 (6.2)		6.5	6.35 2.1 3.20	11.5 (11.40 1.1)	11.3	11.35 11.38 0.2 0.3 -1.83	11.8	11.8	11.80 0.0 -2.25
12	6.7 (7.0)		7.1	7.05 0.1 2.81	11.7 (11.75 1.0)	11.8	11.60 11.68 0.7 0.8 -1.82	12.1	12.2	12.15 1.0 -2.29
13	7.1 (7.4)		7.9	7.65 2.3 2.65	Elong.	12.2	12.00 12.10 1.0 1.0 -1.80	12.6	12.8	12.70 1.1 -2.40
14	7.9 (8.2)	B.	8.15	8.18 0.2 0.3 2.47	12.6 (12.60 0.0)	12.6	12.39 12.45 1.5 1.5 -1.80	Sup.	12.8	12.84 a = -2.15
15	8.0 (8.3)	8.40 1.1	8.5	8.80 8.60 2.0 2.0 2.48	12.8 (12.85 0.1)	12.9	12.78 12.80 0.5 0.5 -1.72	13.4	13.6	13.50 1.1 -2.42
16	8.7 (9.0)	8.95 0.1	8.9	9.15 9.05 1.0 1.0 2.35	13.4 (13.25 2.1)	13.1	13.20 13.22 0.3 0.2 -1.82	13.9		13.90 a = -2.50
17	7.		9.1	9.40 9.25 1.5 1.5 2.38	13.7 (13.65 1.0)	13.6	13.42 13.54 1.1 1.2 -1.91	14.0?		14.00 a = -2.37
18			10.0	10.1 10.05 0.1 2.01	13.9 (13.95 1.0)	14.0?	13.70 13.82 1.3 1.2 -1.76	F.		F.
19			10.7	10.7 10.70 0.0 1.72	F.		13.90 13.90 . a = -1.48			
20			10.8	10.9 10.85 0.1 1.88						
22			11.8	11.6 11.70 1.1 1.64						
25		(11.85 1.0)	11.9	11.8 12.2 12.02 1.7 1.8 1.85						
26		(12.35 0.1)	12.4	12.3 12.55 12.45 1.0 1.0 1.88						
27		(12.90 0.0)	12.9	12.75 12.82 0.8 0.7 1.87						
28		(13.25 1.2)	13.1	13.4 13.15 13.20 0.5 0.5 1.91						
29		(13.80 0.0)	13.8	13.8 13.80 13.80 0.0 0.0 1.86						
30		F.	F.	13.85 13.85 . a = 2.19						
31				. . .						
32				. . .						

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1915phae.proj.1045M

Monday March 22, 1915

Mc Series 476.

Scale R Mc 8148 R Camel. g h Ref: +.07 P C.

	Sc.1	Sc.2	Cu.	Magn	Elong	Cu.	Magn	Sc.2	Cu.	Magn
α a	3.97 (42)		.		" 8.47	.		9.3	-.179	7.51
β d	B.		.		" Elong.	.		B.	.	.
γ g	3.9 (42)		.		" 8.8	.		9.7	-.188	7.82
δ e	5.3 (5.6)		3.27	8.87	" 9.3	.		10.2	-.200	8.30
a' f	5.9 (6.2)		3.13	9.33	" 10.9	-.175	9.15	11.1	-.215	8.95
ε b	6.6 (6.9)		2.90	9.80	11.2 0 1.1 11.1 11.3	-.178	9.42	12.2	-.230	9.90
c	6.7 (7.0)		2.86	9.86	11.00 2.2 10.8 11.2	-.176	9.24	11.8	-.225	9.55
d	7.7 (8.0)	B.	2.57	10.57	11.90 0 0 11.9 11.9	-.182	10.08	12.8	-.235	10.45
e	8.6 8.85 1 0 (8.9)	8.8	2.32	11.17	12.70 1.1 12.6 12.8	-.184	10.86	13.5	-.240	11.10
ζ	7.9 8.80 0 0 (8.2)	8.2	2.51	10.71	12.75 2.1 12.6 12.9	-.184	10.91	13.2	-.238	10.82
f'	8.8 9.00 1 1 (9.1)	8.9	2.29	11.29	13.20 1.1 13.1 13.3	-.182	11.38	13.8	-.244	11.36
g	7	9.8	2.06	11.86	13.60 1.1 13.9 13.5	-.178	11.82			
h		10.1	1.99	12.09	13.90 0 0 13.9 13.9	-.171	12.19			
n'		10.4	1.92	12.32	13.85 0.1 13.8 13.9?	-.172	12.13?			
k		10.9	1.86	12.76	13.9? 7	-.171	12.19?			
l		11.4	1.81	13.21 7						
m		11.3	1.82	13.12						
n		11.3	1.82	13.12						
o		12.3	1.82	14.12						
p		12.7	1.85	14.55						
q	12.80 0 0	12.9	1.86	14.76						
r	12.8	12.8	1.85	14.65						
s	13.15 0.1 13.2	13.1	1.88	15.03						
t	13.10 0.0 13.1	13.1	1.88	14.98						
u	13.70 0.3 13.7	13.7	1.98	15.68						
w	13.90 0 0 13.9	13.9	2.01	15.91						
v	12.10 0 0 13.1	13.1	1.81	13.91						

*(wrong unit)

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Monday, March 22, 1915

comet

Inc Series #76 Card.

Scale R Inc 8149 C8 g h Ult. +.17 P.C.

		Sc.1	Sc.2	Cm	Magn	Sc.2	Sc.2	Cm	Magn	Sc.2	Cm.	Magn
	1	3.5 38.		.	.	Elong	8.1?	.		8.8	-.170	7.10
E.	2	3.1 30. 2.8? 2.7?	3.05 1.0	.	.	"	Elong	.		9.1?	-.175	7.35?
	3	44. 4.1		.	.	9.30 1.1 9.4	9.2	.		10.15 1.0 10.1	10.2 -.198	8.17
Focus poor	4	.		.	.	.	.	.		9.6?	-.186	7.74?
	5	46. 4.3		.	.	8.55 1.0 8.5	8.6	.		9.7?	-.188	7.82?
	6	50. 4.7		.	.	8.9	8.8	.		9.8?	-.190	7.90?
	6a	54. 5.1		.	.	9.70 1.1 9.6	9.8	.		10.8	-.210	8.70
	7	54. 5.1		.	.	Focus poor		.		Elong.	.	.
	8	57. 5.4		3.26	8.96	10.1	Elong	-.160	8.50	10.9	-.212	8.78
	9	60. 5.7		3.19	9.19	10.9	"	-.174	8.96	11.5	-.221	9.29
6.4 6.1	10	66. 6.3	6.50 1.1	3.04	9.54	11.10 1.1 11.0	11.21	-.176	9.34	12.10 2.2 12.3	11.9 -.228	9.82
	11	63. 6.0		3.11	9.41	11.00 1.1 11.1	10.9	-.176	9.24	11.9	-.225	9.65
	12	64. 6.1		3.06	9.46	11.25 1.2 11.1	11.4	-.178	9.47	12.1	-.228	9.82
	13	71. 6.8		2.83	9.83	11.70 1.1 11.6	11.8	-.181	9.89	12.7	-.234	10.36
	14	70. 6.7		2.86	9.86	11.75 1.0 11.7	11.8	-.181	9.94	12.13 1.20 12.0	12.3 12.1 -.228	9.85
	15	76. 7.3		2.68	10.28	12.10 2.2 11.9	12.3	-.182	10.28	12.9	-.235	10.55
	16	80. 7.7		2.56	10.56	12.15 1.0 12.1	12.2	-.182	10.33	12.9	-.235	10.55
	17	81. 7.8		2.54	10.64	12.60 2.2 12.8	12.4	-.184	10.76	13.45 1.0 13.2	13.4 -.240	11.05
	18	81. 7.8		2.54	10.64	12.35 0.1 12.4	12.3	-.183	10.52	13.3	-.240	10.90
	19	80. 7.7		2.68	10.68	12.50 1.1 12.6	12.4	-.184	10.66	13.4	-.240	11.00
	20	79. 7.6	B.	2.61	10.51	12.15 1.0 12.1	12.2	-.182	10.33	Sup.	.	.
	21	91. 8.7	9.20 1.1 9.3	2.22	11.42	13.40 1.1 13.2	13.5	-.180	11.60	14.0	-.246	11.54
	22	7.	9.8	2.06	11.86	13.65 0.1 13.6	13.7	-.178	11.87	7.	.	
	23		9.9	2.04	11.94	13.80 1.1 13.9	13.7	-.174	12.06			
	24		9.9	2.04	11.94	13.95 1.0 13.9	13.8?	-.172	12.13			
	25		10.3	1.94	12.24	7.	13.8	-.174	12.06			
	25a		10.7	1.89	12.59							

* Original meas. evidently 10.2 Accidentally rubbed off in changing line, to make room

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Monday, March 22, 1915

MC Series 476

Scale R MC 8149 C.8 (cont) g. h. Alt. +.17 PC

	Sc.1	Sc.2	Cm.	Magn					Sc.2
26		10.8	.188	12.68					
27		11.0	.184	12.84					
27a		11.7	.180	13.50					
28		11.9	.180	13.70					
29		11.9	.180	13.70					
29a		12.1	.181	13.91					
		12.30 0.0							
30		12.3 12.3	.182	14.12					
		12.90 0.0							
31		12.9 12.9	.186	14.76					
		13.20 1.1							
32		13.1 13.3	.189	15.09					
20a	8.5 8.21	8.50 0.0	8.5	.243	10.93	13.00 1.1 12.9	13.1	−.183	11.17	13.7 − .243	11.27
20f	8.9 8.6	8.90 0.0	8.9	.233	11.23	13.00 1.1 12.9	13.1	−.183	11.17	Sup.	
		13.37 1.22							
33		13.3 13.6	13.2	.192	15.29				
		13.75 1.0							
34		13.7 13.8	.199	15.74					
35		14.0?	.204	16.04?					
36									
37									
38									

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Tuc Series 476

Cards

Scale R — Tuc 8150 — 98 — g L. Alt. -18 — PE

Sc.1	Sc.1	Sc.2 Cu.	Magn	Sc.2	Sc 2 Cu	Magn	Sc 2	Cu.	Magn
Focus foor E	1								
" " E	2								
	3 4.5 4.2			Doug			98	-1.90	7.90
Focus foor	4								
	5 4.4 4.1			9.6 Doug. 9.6 8.9			98	-190	7.90
	6 4.8 5.1			9.6 Doug.			10.3 10.1	-199	821
4.4 4.1	7 4.3 4.6	4.50 i 1		9.7 Doug			10.1	-196	813 4
	8 4.7 5.0			Doug 9.6			10.2	-199	821
	9 5.2 5.5		3.30	880	10.00 1 1 9.9 10.1	-159	8.41	10.4	-220	8.20
	10 5.6 5.9		3.21	9.11	10.10 0 0 10.1 10.1	-160	8.50	10.8	-210	8.70
	11 6.2 6.5		3.03	9.53	10.10 0 0 10.7 10.7	-173	8.97	11.6	-222	9.38
	12 6.3 6.6		3.00	9.60	10.15 1.0 10.7 10.8	-174	9.01	11.7	-224	9.46
	13 6.7 7.0		2.86	9.86	11.05 1.2 10.9 11.2	-177	9.28	12.0	-228	9.72
	14 7.7 8.0	B.	2.56	10.56	12.00 1.1 12.1 11.9	-182	10.18	13.0	-237	10.63
	15 7.5 7.8	B	2.62	10.42	11.95 1.0 11.9 12.0	-182	10.13	12.9	-238	10.52
	16 7.6 7.9	B.	2.61	10.51	12.00 1.1 11.9 12.1	-177	10.18	12.7	-234	10.36
	17 7.9 8.2	8.15 0 1	8.1 2.53	10.68	12.55 1.0 12.5 12.6	-184	10.71	13.7	-243	11.27
	18 8.5 8.8	8.80 0 0	8.8 2.34	11.14	12.90 0 0 12.9 12.9	-184	11.06	12.9	-245	11.45
	19 8.8 9.1	9.05 1 0	9.0 2.28	11.33	13.00 0 0 13.0 13.0	-183	11.17	7	.	.
	20 7.		9.6 10.7 2.11	11.71	13.65 0 1 13.6 13.7	-178	11.87	7.	.	.
	21		9.6 2.11	11.71	12.4 Elong	-180	11.60			
	22		10.0 2.01	12.01	13.75 1 1 13.6 13.9	-175	12.00			
	23		9.9 2.04	11.94	13.75 1.0 13.7 13.8	-175	12.00			
	24		10.1 1.99	12.09	13.95 1.0 13.9 14.0	-169	12.26			
	25		10.7 1.89	12.59	13.8? Suf.	-174	12.06?			
	26		10.9 1.86	12.76	7. 7.		. .			
	27		11.3 1.82	13.12			. .			

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Monday, March 22, 1915

Mc Series 476

Scale R Mc 8150 D8 Pc.

	Sc.1	Sc.2	Cu	Magu	Sc.1	Sc.2
28		11.3	1.82	13.12		
29		11.8	1.80	13.60		
30		11.8	1.80	13.60		
31		12.0	1.80	13.80		
32		12.2	1.82	14.02		
33		12.4	1.83	14.23		
34		12.3	1.82	14.12		
35		12.80 11 12.9	12.7 1.85	14.65		
36		13.00 00 13.0	13.0 1.87	14.87		
37		13.30 00 13.3	13.2 1.90	15.20		
38		13.65 01 13.6	13.7 1.97	15.62		
39		13.90 00 13.9	13.9 2.01	15.91		
40		7. 7				
f		10.7	1.89	12.59	7 7	7
d		11.4	1.81	13.21	7 7	7

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1915phae.proj.1045M

Monday, ~~April~~ March 22, 1915

MC Series 476 15-16.5 copied

Card

Scale R MC 8151 Carte g h Alt -.221 P.C.

	Sc.1	Sc.2	Cw.	Magn	Sc.2	Sc.2	Cw.	Magn	Sc.2	Cw	Magn
1	2.4 2.1?		.		B.	B.	.	.	8.1	-.155	6.55
2	4.9 4.6		.		9.1	Elong.	.	.	9.8	-.190	7.90
3	6.4 6.1		3.06	9.46	10.40 1.1 10.3	10.5	-.168	8.72	11.3	-.219	9.11
4	6.6 6.3		3.00	9.60	10.85 1.2 10.7	11.0	-.174	9.11	11.3	-.219	9.11
5	7.1 6.8	B.	2.83	9.93	11.55 2.3 11.8	11.3	-.180	9.75	11.9	-.226	9.64
6	7.3 7.0	B.	2.76	10.06	11.50 2.2 11.3	11.7	-.180	9.70	12.4	-.230	10.10
7	8.1 7.8 8.10 0.0	8.1	2.54	10.64	12.36 2.2 12.5	12.1	-.183	10.47	13.1	-.238	10.72
8	9.1 8.8 9.00 1.1	8.9	2.29	11.29	12.7	Sup.	-.184	10.86	13.5	-.241	11.09
9	8.9 8.6 8.95 1.0	9.0	2.31	11.26	12.85 0.1 12.8	12.9	-.184	11.01	13.7	-.243	11.27
10	9.2 8.9 9.30 1.1	9.4	2.20	11.50	13.20 1.1 13.1	13.3	-.182	11.38	7.	.	.
11	7	9.8	2.06	11.86	13.7 13.55 1.2 13.4	13.4	-.179	11.76	7.	.	.
12		10.0	2.01	12.01	13.63 1.32 13.2	13.9 13.8	-.178	11.85			
13		10.3	1.94	12.24	13.80 1.2 13.9	13.7	-.174	12.06			
14		10.7	1.89	12.59	hegy 7		.	.			
15	10.80 0.0	10.8	1.87	12.67	13.95 0.1 14.0	13.9?	-.169	12.26			
16	10.70 0.0	10.7	1.89	12.59	13.7		-.176	11.94			
17	11.25 1.0	11.3	1.82	13.07	7		.	.			
18	11.65 1.0	11.9	1.80	13.45							
19	12.40 0.0	12.4	1.84	14.24							
20	12.95 0.1	13.0	12.9 1.86	14.81							
21	13.45 1.0	13.5	13.4 1.93	15.38							

Evidently wrong. Wrong unit?

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1915phae.proj.1045M

Monday March 22, 1915

mC Series 47.6

Scale R	mC 8152 Sc.1	mC 8152 Sc.2	Pos	g w Sc.2	g w Sc.2		Pc. Sc.2
5	.			Elong.	.		8.1
6	.			.	.		8.7
8	.			. 9.7			10.3
9	.			. 10.7			10.9
10	5.7. 5.4	B.		10.7	10.8	10.75 1 0	11.2
11	6.5. 6.2			11.4	11.3	11.35 0 1	+ 11.8
12	7.1. 6.8			11.7	11.5	11.60 1 1	12.2
13	7.9. 7.6	B.		12.1	11.9	12.00 1 1	12.8
14	8.3. 8.0	8.0	8.15 1 2	Suf.	12.3	12.34 . 2	12.8
15	8.7. 8.4	8.9	8.80 1 1	12.8	12.7	12.75 0 1	13.6
16	9.1. 8.8	9.2	9.15 1 0	13.3	13.1	13.20 1 1	Suf.
17	9.3. 9.0	9.5	9.40 1 1	* 13.3	13.7	13.42 13.5 1 3 2 1	
18	7.	10.1		13.8	13.6	13.70 1 1	
19		10.7		13.9	13.9	13.90 0 0	
20		10.9		7.	.		
23		11.6		7.	.		
25		12.2					
26	12.4	12.7	12.55 2 1				
27	12.7	12.8	12.75 1 0				
28	13.3	13.0	13.15 1 2				
29	13.8	13.8	13.80 0 0				
30	13.9	13.8	13.85 1 0				
31		7.	.				

* Elong.

(25m out)
2.22

Sec. 4

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1915phae.proj.1045M

Tuesday March 23, 1915

9.55

Scale R

MC Series 476 (Part 2)

MC 8152

	Sc.1	Sc.2	Pole					Pc	
					Sc.2 Cloud			Sc.2	Diff
5								8.0	-1.51
6						Diff.		8.4	-1.29
8					" 9.4	-1.17		10.3	-2.07
9			Diff.		" 10.6	-1.77		10.9	-2.07
10	5.7		3.02		10.7 10.7	-1.68	10.70 0.0	11.1	-2.08
11	6.2		3.05	11.4	11.7 11.2	11.3 -1.85	11.40 0.3 ½	11.7	-2.15
12	6.7		2.86		11.7 11.6	-1.79	11.65 1.0	12.2	-2.34
13	7.2		B. 2.80		11.9 12.0	-1.65	11.95 1.0	12.8	-2.50
14	7.7	8.05 0.1	8.1 2.60		12.9 12.5	-2.05	12.70 2.2	13.0	-2.35
15	8.3	8.70 1.1	8.8 2.38		12.7 12.9	-1.72	12.90 1.1	13.6	-2.52
16	8.9	9.20 0.0	9.2 2.20		13.1 13.0	-1.65	13.05 1.0	Sup.	.
17	8.9	9.75 0.1	9.3 2.38		13.1 13.4	-1.62	13.25 1.2	?	.
18	?		10.1 1.96		13.8 13.5	-1.59	13.65 2.1		
19			10.8 1.62		13.9 13.9	-1.48	13.90 0.0		
20			10.8 1.93		14.0? ?	-1.27			
23			11.2 2.14		?	.			
25			12.3 1.57						
26		12.4	12.4 1.93				12.40 0.0		
27		12.6	12.8 1.99				12.70 1.1		
28		13.1	13.3 1.91				13.20 1.1		
29		13.7	13.8 1.91				13.75 1.0		
30		13.7	13.8 2.29				13.75 1.0		
31			? .						

*along

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Tuesday, March 23, 1915

copied.

Mc Series 476 (Part 2)

Carty.

Scale R Mc 8153 Cart 15-2.5° g h Alt. +.03 P.E.

Sc.1		Sc.2	Cw.	Magn	Sc.2 Elong.	Sc.2	Cw.	Magn	Sc.2	Cw.	Magn
1	47. 44?		.						9.9	-1.84	8.06
2	53. 50		.		10.15 L.0	10.1 10.2	-1.51	8.64	10.5	-1.99	8.51
3	60. 57		3.08	9.08	10.55 L.0	10.5 10.6	-1.62	8.93	11.1	-2.13	8.97
4	67. 64		2.98	9.68	11.25 L.2	11.1 11.4	-1.75	9.50	11.8	-2.24	9.56
5	77. 74		2.70	10.40	12.05 0.1	12.0 12.1	-1.80	10.25	12.8	-2.37	10.43
6	86. 83		2.41	11.01	12.65 0.1	12.6 12.7	-1.80	10.85	13.0	-2.50	10.50
7	76. 73	B.	2.72	10.32	11.95 L.0	11.9 12.0	-1.80	10.15	12.9	-2.38	10.52
8	91. 88	9.15 L.0	9.2 2.24	11.39	13.10 L.1	13.0 13.2	-1.73	11.37	7	.	.
9	7		10.1 2.01	12.11	13.75 L.0	13.7 13.8	-1.51	12.24	7.	.	.
10			10.6 1.92	12.52	7. Def?	.	.				
11			10.8 1.90	12.70	7.	.	.				
12			10.9 1.89	12.79							
13			11.2 1.88	13.08							
14			11.3 1.86	13.16							
15			11.9 1.85	13.75							
16		11.80 0.0	11.8 1.85	13.65							
17		12.10 0.0	12.1 1.85	13.95							
18		12.70 1.1	12.6 12.8 1.89	14.59							
19		12.85 0.1	12.8 12.9 1.89	14.74							
20		13.35 1.0	13.2 13.4 1.96	15.31							

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mc Series #76

Card.

Scala R | mc 815 | Carte | 15.0 + 10.0 alt. +.14 | Pc

	Sc.1		Sc.2	Cu.	Magn	Sc.2	Sc.2	Cu.	Magn	Sc.2	Cu.	Magn
1	3.7	4.0		.		Elong. 8.6		.		9.2	-1.61	7.69
2	4.0	4.3		.		" 9.1		~~-1.15~~	~~7.95~~	9.9	-1.83	8.07
3	5.4	5.7		.		10.2	10.20 0.0 10.2	-1.52	8.68	10.8	-2.08	8.72
4	6.0	6.3		3.04	9.34	10.4	10.45 0.1 10.5	-1.60	8.85	11.2	-2.14	9.06
5	6.1	6.4		3.02	9.42	10.7	10.80 1.1 10.9	-1.69	9.11	11.7	-2.82	9.48
6	6.8	7.1	B.	2.86	9.96	11.7	11.75 1.0 11.8	-1.80	9.95	12.4	-2.31	10.09
7	7.2	7.5	B,	2.75	10.25	11.9	11.90 0.0 11.9	-1.81	10.09	12.7	-2.35	10.35
8	8.2	8.5 8.45 1.0		2.46	10.91	12.4	12.55 2.1 12.7	-1.80	10.75	Elong.	.	.
9	8.7	9.0		2.29	11.29	13.0	13.05 0.1 13.1	-1.74	11.31	7	.	.
10	9.7			2.05	11.95	13.7	13.75 1.0 13.8	-1.60 .51	12.15 .24			
11				1.99	12.29	13.9	Elong.	-1.55 4.	12.85 4.			
12				1.90	12.70	14.0	13.95 0.1 13.9	-1.39	12.56			
* 13		assume wr. unit	11.9	1.89	12.89	7.	7.	.	.			
14			11.2	~~1.85~~	~~13.75~~							
15			11.2	1.88	13.08							
16			11.7	11.70 0.0 11.7	1.85	13.55						
17			11.9	11.85 0.1 11.9	1.85	13.70						
18			11.9	11.90 0.0 11.9	1.85	13.75						
19			12.1	12.05 1.0 12.0	1.85	13.90						
20			13.1	13.10 0.0 13.1	1.92	15.02						

* Remeas. by O. May 11, 1916.

Sc.2
17 10.4
wrong unit in 13 10.8
above measure. 14 11.2

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mc Series 476

Card

Scale P mc 8155 Cards 15.0 +55.0 Alt. +.21 P.C.

	Sc.1	Sc.2	Cm.	Magn	Sc.2	Sc.2	Cm.	Magn	Sc.2	Cm.	Magn
	30.				9 h						
1	12.7		.	.	Eliminate	.	.	.	8.9	-1.58	7.32
	45.				"	.	.	.			
2	4.2		.	.	10.20 1.1				9.6	-1.76	7.84
	60.				10.1	10.3	-1.53	8.67			
3	5.7		3.08	9.08	10.90 0.0				11.1	-2.13	8.97
	68.				10.9	10.9	-1.71	9.19			
4	6.5		2.94	9.74	11.15 0.1				11.6	-2.21	9.39
	69.				11.2	11.1	-1.75	9.40			
5	6.6	B.	2.92	9.82	11.10 1.1				11.8	-2.24	9.56
	70.				11.0	11.2	-1.75	9.35			
6	6.7		2.89	9.89	11.75 1.0				11.9	-2.25	9.65
	72.				11.9	11.8	-1.81	9.94			
7	6.9	B.	2.84	10.04	12.05 1.2				12.3	-2.30	10.00
	82.				11.9	12.2	-1.80	10.25			
8	7.9 8.15 0.1	8.1	2.54	10.69	12.90 0.0				13.1	-2.41	10.69
	90.			321	12.9	12.9	-1.78 6	11.12 4	13.9		
9	8.7 9.05 0.1	9.1	2.27	11.29	13.9	Hazy	-1.55 4	12.45	12.8	-2.52	11.38
10	7.	10.1	2.01	12.11	13.80 2.2				7.	.	.
11		10.2	2.00	12.20	14.0	13.6	-1.49	12.31			
					13.80 0.0						
12		10.1	2.01	12.11	13.8	13.8	-1.49	12.31			
					13.95 0.1						
13		10.3	1.99	12.29	14.0	13.9	-1.39	12.56			
14		10.8	1.90	12.70	14.0?		-1.35	12.65?			
15		11.1	1.88	12.98	7.	.	.				
	11.30 0.0										
16	11.3	11.3	1.86	13.16							
	11.25 0.1										
17	11.2	11.3	1.86	13.11							
	11.70 1.1										
18	11.6	11.8	1.85	13.55							
	12.30 0.0										
19	12.3	12.3	1.86	14.16							
	12.75 0.1										
20	12.8	12.7	1.89	14.64							

Wrongim.

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1915phae.proj.1045M

Tuesday March 23, 1915

corrected.

Inc Series 476

Card.

Scale 1P Inc 8156 Carte 16 + 46.5 Alt +2.2 P.C.

	Sc.1	Sc.2	Cm.	Magn.	Sc.2	Sc.2	Cm.	Magn.	Sc.2	Cm.	Magn.
1	4.9 4.6		.	.	9.95 1.2 10.1	9.8	-1.44	8.51	10.3	-1.93	8.37
2	6.2 5.9		3.05	9.25	10.85 1.0 10.9	10.8	-1.70	9.15	11.6	-2.21	9.39
3	6.4 6.1		3.02	9.42	11.00 ± 1 10.9	11.1	-1.73 -2.18	9.27	11.8	-2.24	9.56
4	7.1 6.8		8 2.96	9.96 10.06	11.70 0.0 11.7	11.7	-1.80	9.90	12.1	-2.28	9.82
5	7.2 6.9		2.84	10.04	11.70 0.0 11.7	11.7	-1.80	9.90	12.1	-2.28	9.82
6	7.9 7.6	B.	2.63	10.53	11.85 0.1 11.8	11.9	-1.81	10.04	12.7	-2.35	10.35
7	8.6 8.3 8.70 1.1	8.8	2.38	11.08	12.80 0.0 12.8	12.8	-1.78	11.02	13.5	-2.47	11.03
8	9.3 9.0 9.30 0.0	9.3	2.20	11.50	13.00 1.1 12.9	13.1	-1.75	11.25	13.8	-2.51	11.29
9	7.	9.7	2.09	11.79	13.7	Elong.	-1.55	12.15	13.7	.	.
10		10.2	2.00	12.20	13.75 0.1 13.8	13.7	-1.51	12.24	13.9	-2.52	11.38
11		10.4	1.96	12.36	13.85 1.0 13.9	13.8	-1.48	12.37	14.	.	.
12		10.6	1.92	12.52	14.	13.8	-1.49	12.31			
13		10.9	1.89	12.79	14.	14.	.	.			
14		11.1	1.88	12.98							
15		11.7	1.85	13.55							
16		11.8	11.85 0.1 4.3 11.9	1.85	13.70						
17			11.80 1.1 11.9	11.7	1.85	13.65					
18			12.15 1.0 12.1	12.2	1.86	14.01					
19			12.85 0.1 12.8	12.9	1.90	14.75					
20			13.15 1.0 13.1	13.2	1.92	15.07					

* Reject. Certainly wrong.

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Tuesday, March 23, 1915

Mc Series 476

Scale R Mc 8157 Carte g h Alt. +.11 Card Pc 16h +5.0°

	Sc.1		Sc.2		Sc.2	Sc.2	Cm.	Magn	Sc.2	Cm.	Magn
					Elong.						
1	3.6	3.9							8.9	-1.58	7.32
2	5.9	6.2	3.05	9.25	10.65 1.0 / 10.7	10.6	-1.65	9.00	11.1	-2.12	8.98
3	5.4	5.7			10.85 0.1 / 10.8	10.9	-1.69	9.16	11.4	-2.18	9.22
4	6.7	7.0	2.89	9.89	11.35? 3.2 / 11.1	11.6?	-1.76	9.59?	11.9	-2.15	9.75
5	6.9	7.2	B. 2.84	10.04	11.55 2.1 / 11.4	11.7	-1.79	9.76	12.2	-2.29	9.91
6	7.8	8.1	8.10 0.0 / 8.1	2.57 10.67	12.00 1.1 / 11.9	12.1	-1.80	10.20	12.9	-2.38	10.52
7	7.8	8.1	8.05 1.0 / 8.0	2.59 10.64	12.10 1.1 / 12.2	12.0?	-1.80	10.30	12.8	-2.37	10.43
8	8.1	8.4	8.35 0.1 / 8.3	2.49 10.84	12.40 2.2 / 12.2	12.6	-1.81	10.59	12.8	-2.37	10.43
9	8.8	9.1	9.10 0.0 / 9.1	2.24 11.34	12.85 1.0 / 12.9	12.8	-1.78	11.07	13.7	-2.50	11.20
10	7.		9.6	2.11 11.71	13.50 2.2 / 13.8	13.7	-1.62	11.88	7.	.	.
11			10.1	2.01 12.11	13.65 2.1 / 13.8	13.5	-1.57	12.08			
12			10.3	1.99 12.29	13.80 1.1 / 13.7	13.9	-1.49	12.31			
13			10.4	1.96 12.36	13.90 1.1 / 13.8	14.0	-1.45	12.45			
14			10.8	1.90 12.70	7.	7.	.	.			
15			11.2	1.87 13.07							
16			11.15 1.0 / 11.1	11.25 1.87 13.02							
17			11.65 0.1 / 11.6	11.7 1.85 13.50							
18			11.80 0.0 / 11.8	11.8 1.85 13.65							
19			12.05 0.1 / 12.0	12.1 1.85 13.90							
20			12.90 1.1 / 13.0	12.8 1.90 14.80							

12.35

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Wednesday, March 24, 1915

11.29 mc Series 223 YELLOW

Scans W mc 5117 Pole P.C.

	Sc.1	Sc.2	mc 5122 +22	mc 5128 +28	Diff	Cm.	Magn
5	B.	B.					
6	B.	B.					
7	4.1	B.					
8	4.0	4.5	3.4	4.04	1.5 6	4.03	4.00	8.04
9	5.5 5.4	5.4	5.7 0	5.7 0	5.6 2	1.7 0 8 0 8	3.12	3.11	8.73
10	6.0 5.9	5.7	6.2 0	5.8 0	5.9 5	10 25 15	2.93	2.92	8.87
11	6.8 6.7	6.6	6.8 5	6.7 5	6.7 7	07 08 02	2.59	2.61	9.38
12	6.9 6.8	6.9	7.0 5	6.8 5	6.9 3	03 12 08	2.65	2.58	9.51
13	7.7 7.6	7.8	7.8 5	7.8 0	7.8 0	05 05 00	2.28	2.40	10.20
14	7.9 7.8	7.9	8.0 0	7.8 0	7.9 3	03 07 03	2.31	2.38	10.31
15	8.1 8.0	8.1	8.4	8.0 5	8.1 8	08 22 13	2.46	2.32	10.50
16	8.7	8.7	8.7 0	8.6 5	8.6 8	02 02 03	2.26	2.28	10.96
17		8.8	8.8 5	8.8 0	8.8 0	05 05 00	2.24	2.26	11.06
18		9.3	9.2 0	9.3 0	9.2 7	03 07 03	2.29	2.21	11.48
19		9.9	9.9 5	9.8 5	9.9 0	00 05 05	2.04	2.16	12.06
20		9.9	10.00		9.9 5	05 05	2.24	2.16	12.11
21		17							
22		17							

	Cm.	Magn
5	-129	6.54
6	-130	6.97
7	-129	7.39
8	-125	7.90
9	-115	8.83

	Sc.1	Sc.2	mc 5122 +22	mc 5128 +28	Diff	Cm.	Magn
12	3.7	B	3.8	3.6	3.80	4.12	7.92
2	4.6	B.	4.8	3.6	4.43	3.78	8.15
9	6.0	5.9	6.2 0	5.8 0	6.0 0	2.91	8.91
10	4.7	B.	4.9	3.6	4.43	3.72	8.15
15		B					
8	5.9	5.8	6.2 5		6.0 8	2.88	8.96
6	5.7	5.6	5.8 0		5.7 0	3.05	8.75
15	6.0	5.9	6.3 5	5.9 0	6.0 8	2.88	8.96

	Cm.
2	-126
4	-122
7	-115
7	-121
1	-126
7	
7	-115
7	

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Wednesday, March 24, 1915

MWC 223 YELLOW

Scale W Me 5117 Pole (cont) Pe.

	Sc.1	Sc.2	Cw. 5122	5128	Magn	Mean	Cw.	Magn.	Sc.1	Sc.2	Cw.	Magn 5122	5128
03 −1.40	2r B.	B.		B B					7.8	7.85 0 1			
03 −1.29	3r 3m. door.			36 B					7.7				
03 −1.22	4r 4.8	B.	352	49 46	8.32	4.77	0 1 2	352 8.29	9.0	.875 1 0	−129	6.56	7.80 7.70
00 −1.12	5r 5.4 5.5 5.30 2 2	5.1	325	565 520	8.55	5.38	08 27 18	320 8.58	8.7	8.8	−129	7.46	8.75 8.7
03 −1.24	6r 6.2 6.3 6.20 1 1	6.1	282	670 635	9.02	6.42	22 28 07	274 9.16	9.65 1 0	9.6	−120	8.45	9.40 9.3
	7r 7.8 7.7 7.15 0 1	7.1	251	720 7.10	9.66	7.15	00 05 05	251 9.66	9.90 0 0	9.9	−117	8.73	9.85 9.9
	8r 7.9 7.9 7.90 0 0	7.9	238	790 780	10.28	7.87	03 03 07	238 10.25	7	7	.	.	7 7
	9r 7. 8.3 8.30 0 0	8.3	232	840 830	10.62	8.33	03 07 03	232 10.65	7		.	.	. .
	10r 9.8 9.9 9.85 0 1		216	970 985	12.01	9.80	05 10 05	217 11.97					
	11r 9.6 9.4 9.50 1 1		219	960 965	11.69	9.58	08 02 07	219 11.77					
	12r 10.0? 10.0? 10.00. 0 0		216	7 7	12.16?	10.00?	a 7 7	216 12.16					
	4s 6.8 6.9 6.90 0 0	6.9	257	725 7.00	9.47	7.05	15 20 05	253 9.58	7				
	5s 7.2 7.1 7.15 0 1	7.1	251	735 725	9.66	7.25	10 10 00	249 9.74					
(Wrong star)	6s 7.8 7.9 7.95 0 1	7.9	238	815 7.90	10.33	8.00	05 15 10	236 10.36					
Too near 5s.	7s												
	8s	7											
	9s												
	a' 7.7 7.8 7.85 0 1	7.9	249	790 7.90	10.34	7.88	03 02 02	238 10.26	7				
	a² 7	8.9	224	890 895	11.14	8.92	7 02 03	226 11.18					
Cw. Magn	f 7 8.70 1 1	8.8	228	870 860	10.98	8.67	03 03 07	228 10.95					
07 −126 7.91													
07 −122 8.20	c 9.25 0 1	9.3	221	915 930	11.46	9.23	02 08 07	221 11.44					
, −1.15 8.85?	d 8.90 0 0	8.9	224	880 880	11.14	8.83	07 03 03	226 11.09					
08 −121 8.32	e 9.10 1 1	9.0	223	895 900	11.33	9.02	08 07 02	224 11.06					
08 −126 7.82	f 9.30 1 1	9.4	221	945 965	11.51	9.47	17 02 18	219 11.66					
, ,	g 9.85 1 0	9.8	216	985 9.80	12.01	9.83	02 02 03	216 11.99					
, −1.15 8.85?	h 7.	7	.	7 7	.	.	.	.					
, ,													

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Wednesday, March 24, 1915

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MC Series 823 **YELLOW** Card

Scale W MC 5118 D6 Alt. −.10 Pc

Sc.1	Sc.1		Sc.2	Cw.	Magn	Sc.1	Sc.2		Cw.	Magn
	1	B.		.		7.6	7.7	7.70 0 0	−.128	6.42
	2	B.		.		8.0	8.2	8.15 1 0	−.130	6.85
	3	B		.		7.7	7.7	7.75 0 1	−.128	6.47
	4	B		.		7.1	7.3	7.25 0 1	−.126	5.99
	5	3.6		~~4.20~~	~~7.90~~	7	9.3	9.35 1 0 9.4	−.124	8.11
	6	3.1		4.13	7.93		9.1		−.126	7.84
3.3	7	3.7	3.45 0 1	.			9.1		−.126	7.84
	8	3.6		4.20	7.90		8.8		−.128	7.52
	9	4.6		3.58	8.28		9.9		−.117	8.73
	10	6.4		2.71	9.21		7.		.	.
5.2	11	5.1	5.25 1 0	3.29	8.54		9.7		−.120	8.50
4.6	12	4.7	4.75 1 0	B. 3.54	8.29		9.9		−.117	8.73
	13	6.2	6.20 1 1	6.1 2.82	9.02		7.		.	.
5.3	14	4.9	5.05 1 0	B. 3.40	8.45		10.0?		−.115	8.85?
4.6	15	4.3	4.55 1 2	B. 3.61	8.22		9.9		−.117	8.73
	16	6.7	6.45 0 1	6.7 2.62	9.37		7		.	.
	17	6.5	6.60 0 0	6.6 2.69	9.29					
	18	7.3	7.60 0 0	7.6 2.43	10.03					
	19	7.8	7.90 0 0	7.9 2.38	10.28					
	20	7.4	7.60 1 1	7.7 2.43	10.03					
	21	7.9	8.05 0 1	8.1 2.35	10.40					
	22	H.		8.8 2.26	11.06					
	23			8.9 2.25	11.15					
	24		8.30 0 0	8.3 2.32	10.62					
	25		9.05 0 1	9.1 2.23	11.28					
	26		9.80 1 1	9.7 2.16	11.96					
	27		8.85 1 0	8.8 2.26	11.11					
	28		9.95	10.0? 2.16	12.11					

All images elongated.

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Wednesday, March 24, 1915

MC Series 223 YELLOW Card.

Scale W Inc 5120 Carte Alt. +.07 PC.

	Sc 1		Sc 2	Cw.	Magn	Sc 2
1	4.7 (4.8)		B.	3.52	8.32	9.6 9.4 – 1.21 8.29 (9.60 1.1)
2.	6.3 (6.4)	6.35 0.1	6.3	2.78	9.13	7
3	6.3 (6.4)	6.40 0.0	6.4	2.74	9.14	7
4	6.4 (6.5)	6.35 1.2	6.2	2.78	9.13	7
5	7.1 (7.2)	7.15 0.1	7.1	2.51	9.66	7
6	7		8.6	2.29	10.89	
7	7		8.9	2.24	11.14	
8	7	8.95 0.1 9.0	8.9	2.24	11.19	
9 Def.						
10	7	7	7			
11	7		7			
12			7			
13		8.90 0.0 8.9	8.9	2.24	11.14	
14			7			
15			7			
16			7			
17 Hazy.			7			
18			7			
19			7			
20						

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Wednesday, March 24, 1915

Mc Series 223

YELLOW

Scale W	Mc 5122	Pole	P.E.
	Sc.1	Sc.2	Sc.1 Sc.2
5	B.		7.85 0.1
6	B.		7.8 7.9
7			8.30 0.0
8	44 45.	B.	8.3 8.3
9	5.8 5.70 1.1	5.6	8.70 0.0
10	6.3 6.20 1.1	6.1	8.7 8.7
11	6.8 6.85 0.1	6.9	9.10 0.0
12	7.1 7.05 1.0	7.0	9.1 9.1
13	7.5 7.85 0.1	7.9	10.00 0.0
14	8.0 8.00 0.0	8.0	10.0 10.0
15	7.	8.4	7
16	8.7 8.70 0.0	8.7	
17	8.9 8.85 1.0	8.8	
18	9.3 9.30 1.1	9.1	
19	10.0 9.95 0.1	9.9	
20	10.0 10.00 0.0	10.0	
21		7	
22			
+87° 12	3.8	B	9.0 9.1 9.05 0.1
+88° 2	4.8 4.8	B.	9.4 9.3 9.35 0.1
9	6.2	6.2	7 7
10	4.8 4.9	B.	9.6 9.7 9.65 0.1
+87° 10	9m. poor	B.	9.1 9.2 9.15 1.0
+88° 8	6.2 6.3 6.25 1.0	6.2	7
8	5.8 5.8 5.80 0.0	5.8	7
11	6.3 6.4 6.35 0.1	6.3	7

See p. 18

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Mt Wilson 223 YELLOW

Scale W Mc 5122 Pole (cont) PC

	Sc.1	Sc.2
2r	B.	
3r	3.6 3.5	
4r	4.9 4.8	B.
5r	5.7 5.6 5.65 1 0	5.6
6r	6.7 6.6 6.70 0 0	6.7
7r	7.1 7.0 7.20 1 1	7.3
8r	7.9 7.8 7.90 0 0	7.9
9r	7. 8.40 0 0	8.4
10r	9.70 0 0	9.7
11r	9.60 0 0	9.6
12r	7.	7.
4s	7.3 7.2 7.35 1 0	7.2
5s	7.4 7.3 7.35 0 1	7.3
6s	8.1 8.0 8.15 1 0	8.2
7s		
8s		7
9s		
a'	7.9 7.8 7.90 0 0	7.9
a^2	7. 8.90 0 0	8.9
b	8.70 0 0	8.7
c	9.15 1 0	9.2
d	8.80 0 0	8.8
e	8.95 0 1 9.45 0 1	9.0
f	9.4 9.5 9.85 1 0	
g	9.9	9.8
h	7.	7.

Sc.1 Sc.2 PC

7.8 7.80 0 0
7.7 7.8
8.75 0 1
7. 8.8 8.7
9.40 1 1
9.5 9.3
9.85 0 1
9.8 9.9
7.9 7.9

7

7

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Mc Series 223 YELLOW Card

Scale W Mc 5123 SY Cors. Maj Alt +.11 P.C.

	Sc.1		Sc.2	Cm.	Magn
a	B.			.	.
b	B			.	.
c	B			.	.
d	2.7 2.6		B.	.	.
e	3.7 3.6		B.	~~4.20~~	~~7.90~~
f	5.4 5.3	5.35 2 1	5.1	3.29	8.54
g	6.0 5.9	6.05 0 1	6.1	2.89	8.94
g_2	6.7 6.6	6.70 0 0	6.7	2.64	9.34
g_3	5.9 5.8	5.80 1 1	5.7	3.00	8.80
h	6.6 6.5	6.65 0 1	6.7	2.67	9.32
k	7.4 7.3	7.35 0 1	7.3	2.48	9.83
l	7.8 7.7	7.80 0 0	7.8	2.40	10.20
m		8.35 1 0	8.4 8.3	2.31	10.66
n		8.40 0 0	8.7 8.7	2.28	10.98
o		9.40 0 0	9.4 9.4	2.20	11.60
p		9.40 0 0	9.4 9.4	2.18	11.88
p'		9.50 1 1	9.4 9.6	2.19	11.69
q			?	.	.
r			?	.	.
s			?	.	.
t					

Sc.1	Sc.2		Cm.	Magn
7.6 7.5	7.6	7.60 0 0	~~1.28~~	~~6.32~~
8.1 8.0	8.1	8.10 0 0	1.29	6.81
8.4 8.3	8.4	8.35 0 1	1.30	7.05
8.5 8.4	8.4	8.45 1 0	1.30	7.15
8.9 8.9	8.9	8.90 0 0	1.28	7.62
9.7			1.20	8.50
?			.	.
?			.	.
9.9			1.17	8.73
?			.	.

Var. 3.1 3.0 B. 8.9

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Mc Series 223 YELLOW Card

Scale W | Mc 5123 | 7 Urs. maj | Alt. +11 | P.C.

	Sc 1		Sc 2			Sc 2	
a	B		B			7.4 7.3	7.5 7.7 -1.28 6.27 E.
b	(See p. 24; common)						
c	" " "						
d	" " "						
e	" " "			B			
f	3.5 3.4			9.4		9.05 9.1	10 9.0 -1.27 7.78
g	5.8 5.7	5.60 2.2		5.4	3.40	9.90 10.0	1.1 9.8 -1.17 8.73
g'	" " "						
g²	" " "						
g³	" " "						
g⁴	5.7 5.6	5.65 1.0		5.6	3.09	10.00 10.0	00 10.0 -1.15 8.85
h	6.0 5.9	6.05 0.1		6.1	2.89	7.	
k	7.1 7.0	7.10 0.0		7.1	2.53	7.	
l	8.0 7.9	8.10 1.1		8.2	2.34		10.44
m	8.1 8.0	8.00 1.1	8.85 1.0	7.9	2.36		10.36
n	7.		8.9 8.8		2.25		11.10
o			8.85 0.1 8.8 8.9		2.25		11.10
p			9.35 1.0 9.3 9.4		2.20		11.55
q			9.80 1.1 9.9 9.9		2.18		11.98
r			10.00 0.0 10.0 10.0		2.16		12.16
s			9.95 1.0 9.9 10.0		2.17		12.12
t			7.				
u							
w							
x							
y			7.				
Var.	3.9 3.8		B.			9.7	

Stars b, c, d, e, g', g² are common to both sequences

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mc Series 223 YELLOW Card.

Scale W mc 5123. RS Sus Maj Alt +.11 Pe

	Sc.1		Sc.2	Ow.	Magn
a	3.0	3.1	3.0	.	.
a'	3.6	3.7	B.	.	.
f	5.6	5.7 — 5.70 0 0	5.7	3.95	8.75
f'	6.2	6.3 — 6.20 1 1	6.1	2.82	9.02
c	6.7	6.8 — 6.75 0 1	6.7	2.62	9.37
d	6.9	7.0 — 6.95 0 1	6.9	2.55	9.50
e	6.7	6.8 — 6.75 0 1	6.7	2.62	9.37
g	7.2	7.3 — 7.90 0 0	7.9	2.38	10.28
g'	7.8	7.7 — 7.85 1 0	7.8	2.39	10.24
h	7.		8.7	2.28	10.98
h'	7.		8.85 1 0	8.9 8.8	2.25 11.10
h2			9.0 5 0 1	9.0 9.1	2.23 11.28
k			8.95 1 0	8.9 9.0	2.24 11.19
l3			9.35 0 1	9.4 9.3	2.20 11.55
l'			9.95 0 1	10.0 9.9	2.16 12.11
m			9.90 0 0	9.9 9.9	2.16 12.06
n			10.00 0 0	10.0 10.0	2.16 12.16
o			7.		
o'			7.		
p			7.		
q			7.		
r					
s					
t					
u					
w					

(wrong unit)

Sc.1	Sc.2			
7	8.90 0 0			
	8.9 8.9	−1.28	7.62	
	8.90 0 0			
	8.9 8.9	−1.28	7.62	
	9.90 0 0			
	9.9 9.9	−1.16	8.74	
4				
7				

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M.C. Series 223 YELLOW Card

Scale W MC 5124 D7 Alt. −10 P.C.

	Sc.1	Sc.2	Cw.	Magn		Sc.2		Cw.	Magn
1	Im. fac.		.	.	7.	8.4	8.7	8.55 2 i − 1.30	7.25
2	" "		.	.		8.5	8.5	8.50 0 0 − 1.30	7.20
3	" "		.	.		8.7?	8.8?	8.75 1 0 − 1.28	7.47
4	38. 3.7		4.13	7.93		9.1	9.1	9.10 0 0 − 1.26	7.84
5	22. 2.1		.	.		8.3	8.3	8.30 0 0 − 1.30	7.00
6	Poor.		.	.		8.3		− 1.30	7.00
7	Poor.		.	.		8.8		− 1.28	7.52
8	Poor.		.	.		8.8		− 1.28	7.52
9	"	B.	.	.		9.1		− 1.26	7.84
10	55. 5.4 5.27 22 i	5.1	3.26 5.2	8.53	7.				
11	39. 3.8	B.	4.09	7.99		9.2		− 1.25	7.95
12	67. 6.7 6.25 0 1	6.3	2.81	9.01	7.				
13	67. 6.6 6.65 1 0	6.6	2.68	9.33					
14	57. 5.6 5.65 1 0	5.6	3.08	8.73					
15	68. 6.7 6.80 0 0	6.8	2.61	9.41					
16	62. 6.1 6.25 0 1	6.3	2.81	9.07					
17	41. 7.0 7.10 0 0	7.1	2.52 7.1	9.62					
18	78. 7.7 7.75 0 1	7.7	2.41	10.16					
19	49. 7.8 7.90 0 0	7.9	2.38	10.28					
20	46. 7.5 7.67 1 0 0	7.7	2.41 7.7	10.08					
21	7. 8.8 8.80 0 0	8.8	2.26 8.8	11.06					
22	7	8.4	2.30	10.70					
23	8.55 0 1	8.6	8.5 2.29	10.84					
24	9.6 9.55 0 1	9.6	9.5 2.19	11.74					
25	9.50 1 1 2	9.4	9.4 9.7 2.19	11.69					
26	9.55 0 1		9.6 9.5 2.19	11.74					
27	9.90 0 0		9.9 9.9 2.16	12.06					
28									

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Mc Series 223 **YELLOW**

Scale W Mc 51278 Pole. P.C.

	Sc.1	Sc.2			Sc.2	
				7.8		
5	B.	B.		7.7	7.8	780 00
6	B.	B.		7.	8.3 8.3	830 00
7	Poor.	B.			8.7 8.6	865 10
8	3.3	B.			9.1 9.2	915 10
9	5.9 5.8	5.6	5.70 11		10.0 9.9	998 01
10	5.8 5.9	5.7	5.80 11		7.	
11	6.7 6.8	6.7	6.75 01			
12	6.8 6.9	6.8	6.85 10			
13	7.8 7.9	7.7	7.80 11			
14	7.8 7.9	7.9	7.90 00			
15	8.0 8.1	8.1	8.05 01			
16	7.	8.6	8.7	8.65 01		
17		8 8	8.8	8.80 00		
18 (Wrong star?)		~~9.7~~ 9.3	9.3	9.30 00		
19		9 8	9.9	9.85 01		
20		7.	7.			
21						

Poor.	+87°	12	.	.		9.0 9.0	900 00
	+88°	2	3.5	B.		9.3 9.4	935 10
		9	5.8 5.9	5.7	5.80 11	7. 7	.
		10	3.5	B.		9.3 9.6	945 12
Poor.	+87°	15	.	.		9.0 9.0	900 00
Poor.	+88°	80	.	.		7. 7	.
		86	.	.		7. 7	.
		115	6.0 6.1	5.7	5.90 22	7. 7	.

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MC Series 2.23 YELLOW

	MC 5728		Pole			PC	
	Sc.1		Sc.2			Sc.1	Sc.2
2r	B.		B.			7.6 7.7	7.7 7.70 00
3r	Poor.		B.			7. 8.7	
4r	4.5 4.6		D				9.3
(Wrong star) 5r	5.3 5.4	5.20 22	5.0 5.3				9.9 7
6r			6.4	6.3	6.85 01		
7r			7.1	7.1	7.10 00		
8r			7.8	7.8	7.80 00		
9r			8.3	7.8 8.3	8.30 00		
10r			9.8	9.9	9.85 01		
11r			9.7	9.6	9.65 10		
12r			7.	7.	7		
4s	6.9 7.0	7.00 00	7.0			7	
5s	7.1 7.2	7.25 01	7.3				
6s	7.8 7.9	7.90 00	7.9				
Too near 5s 7s							
8s			7.				
9s							
a'	7.8 7.9	7.90 00	7.9			7.	
a²	7.		9.0	8.9	8.95 01		
b			8.5	8.7	8.60 11		
c			9.4	9.2	9.30 11		
d			8.8	8.8	8.80 00		
e			8.9	9.1	9.00 11		
f			9.7	9.6	9.65 10		
g			9.8	9.8	9.80 00		
h			7.	7.	7		

4.53

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3.30 mc Series 318 YELLOW

Scale W mc 6227 Dg Alt -.20 PC

	Sc.1	Sc.1		Sc.2 Cw.	Magn	
Im. foor	1	.		.	.	
Im. foor.	2	.		.	.	
	3	4.7. 4.6?		11 3.8X	1 7.8X?	
Im foor	4	.		.	.	
	5	5.3. 5.2		B. 2.8X	8.18	
	6	5.8 5.7	5.75 0.1	6.3 5.7 2.5X	8.3X	
	7	6.2 6.1	6.25 0.1	6.3 2.46	8.85	
Im. foor.	8	.		.	.	
Im. foor.	9	.		.	.	
	10	7.0 6.9	6.90 1.1	6.8 2.23	9.13	
	11	7.1 7.0	7.05 1.0	7.0 2.21	9.26	
	12	7.3 7.2	7.37 1.1.1	7.3 2.18 7.5	9.53	
	13	6.7 6.6	6.65 1.0	6.6 2.29	8.97X	
	14	7.6 7.5	7.65 0.1	7.7 2.16	9.78 9.8X	
	15	7.5 7.4	7.50 0.0	7.5 2.17	9.67	
	16	7.8 7.7	7.85 0.1	7.9 2.14	9.97X	
t.s	17	6.5 6.7	6.30 2.2	6.1 2.38	8.58 7.3	
	18	7.9 7.8	7.85 1.0	7.8 2.17	9.97X	
	19	8.1 8.0	8.05 1.0	8.0 2.14	10.19	
	20	7.		8.7 2.18	10.80	
	21	7.		8.5 2.17	10.67X	
	22			7.7 7.7 2.16	9.86	
	23			8.2 8.4 2.10	10.40	
	24			8.9 8.9 2.18	11.08X	
	25			8.7 8.6 2.18	10.88	
	26			9.5 9.3 2.28X	11.8X	
	27			8.7 8.8 2.18	10.98X	
	28			9.9 9.7 2.3X	12.26?	

Sc.2		
8.75 1.0	4.2	3.3
8.7 8.8	-.15X	7.2X
Scattered	.	.
8.9 0.0	4.0	5.
8.9 8.9	-.15X	7.40
8.75 0.1	4.2	3.3
8.8 8.7	-.15X	7.2X
9.45 0.1	2.7	.8
9.7 9.5	-.13X	8.1X
9.9 0.0	1.7	5.1
9.7? 9.7?	-.12X	8.3X
Magn	.	.
8.9	4.0	5.0
	-.15X	7.4X
8.8	4.1	3.9
	-.15X	7.2X
7.	.	.
7.	.	.
7.	.	.

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~~Mc. Series~~ 318 (part) YELLOW

Scale W Mc 6227 09 (cont)

	Sc.1	Sc.2	Cw.	
		9.70 0 0.		
29		9.7 9.7	.15 2.88X	.85 11.88X
		9.90 0 0		
30		9 0 9 9	.16 2.88X	.06 12.88X
		9.95 1.0		
31		9 9 10.0	.18 2.88X	.13 12.88X
		7.		
32				
33				

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Mc Series 318 (part 1) YELLOW

Scale W Mc 6228 M 13 Ref. Seq. alt. +.09 PC

	Sc.1	Sc.2	Cm.	Magn	Sc.1	Sc.2	Cm.	Magn
1	3.6 3.5	B	.	.		8.8 0 0 8.8		
2	5.7 5.6	5.70 0 0	5.7	2.66		9.8 0 1 9.7 9.9	− 1.18	8.62
3	5.3 5.2	5.15 1 2	5.0	2.90		9.6 0 0 9.8 9.6	− 1.20	8.40
4	5.8 5.7	5.70 1 1	5.6	2.66		9.8 0 1 9.8 9.8	− 1.18	8.67?
5	6.0 5.9	6.05 0 1	6.1	2.52		7 7	.	.
6	6.5 6.4	6.50 0 0	6.5	2.35		1	− 1.41	7.39
7	6.1 6.0	6.00 1 1	5.9	2.54		2	− 1.16	8.64
8	6.9 6.8	6.90 0 0	6.9	2.23		3	− 1.21	8.39
9	7.4 7.2	7.50 1 1	7.6	2.14		4	− 1.15	8.70
10	7	8.65 1 0	8.7 8.6	2.10		5	7	.
11	7.	9.60 0 0	9.6 9.6	2.14				
12		9.00 0 0	9.0 9.0	2.11				
13		9.80 0 0	9.8 9.8	2.16				
14			7. 7	.				
15		hazy hazy	.	.				
16		hazy hazy	.	.				
17			7	.				
18								
19								
20								

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~~Whitney~~ 318 (part 1) YELLOW

Scase W Inc 6228 M 15 Vai. Seq.

alt. +.09

	Sc. 1	Sc. 2		
		935 L0		
b		9.3 9.4	2.12	11.47
		955 0L		
c		9.6 9.5?	2.14	11.69
d		7? 7.	.	.
e		7.	.	.

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mc Series 318 YELLOW

Scale W mc 6229 Pole Pc.

	Sc.1		Sc.2	Diff	Cm.	Magn	Sc.1	Sc.2	
5	B.		B.	.	.		8.1	8.1	-.164
6	.		B	.	.		8.7	8.7	-.172
7	.		.	.	.		8.7	8.8	-.129
8	5.0	5.1	B.	2.93	2.92	8.02	9.0	9.1	-.102
9	6.1	6.25 01	6.3	2.49	2.46	8.71	10.0	9.9	-.121
10	6.6	6.70 00	6.7	2.18	2.29	8.99			
11	6.9	7.05 01	7.1	2.31	2.18	9.23			
12	7.4	7.55 1.0	7.6	2.03	2.14	9.69			
13	7.8	7.90 00	7.9	2.18	2.11	10.01			
14	7.9	8.00 00	8.0	2.24	2.11	10.11			
15	7.		8.6	2.04	2.10	10.70			
16			8.8 8.9	2.09	2.10	10.95			
17			8.8 8.9	2.19	2.10	10.95			
18			9.5 9.7	1.96	2.14	11.74			
19			9.7 9.9	2.14	2.17	12.07			
20			9.9 9.8	2.34	2.16	12.01			
21			10.0? Foggy	2.27	2.19	12.19			
22			7.	.		.			

4.55

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9.45 WOLF mc Series 318 YELLOW

Scale W mc 6229 Pole Pt.

Sc.1	Sc.2	mc 6233 p 41		Diff	Cw.	Magw	Sc.1	Sc.2				
5 B							8.0 8.1	8.1	8.10 01	8.10	8.08	-1.68
6 2.9 30		B	3.02 ±	3.98	3.96	6.96	7	8.7	8.70 00	8.75	8.72	-1.74
7								8.8	8.80 00	8.80	8.80	-1.34
8 5.1 5.2		B.	5.10 1 1	2.93	2.89	7.99		9.3	9.30 00	9.40	9.35	-1.32
9 6.3 6.4	6.50 01 45	6.5	6.40	6.45 05 05	289	2.34	8.76		10.0	10.00 00	9	10.00 -1.26
10 6 6.7	6.70 00	6.7	6.60	6.65 05 05	2.23	2.29	8.94	7.				
11 7.1 7.2	7.15 01	7.1	7.20	7.18 03 02	2.18	2.19	9.37		Cw.	Magw		
12 7.3 7.4	7.55 2.1	7.7	7.30	7.42 13 12	2.16	2.18	9.60	5	-1.69	6.41		
13 7.9 8.0	7.95 01	7.9	7.80	7 ~~8.88~~ 07 08	2.20	2.14	10.02	6	-1.54	7.16		
14 7.9 8.0	8.05 01	8.1	7.90	7.98 07 08	2.26	2.14	10.12	7	-1.52	7.28		
15 7.		8.7	8.6	8.65 1 0	1.99	2.18	10.83	8	-1.38	7.97		
16	8.80 11	8.7	~~8.80~~ 8.75	~~07~~ 05 02	~~2.14~~ 2.09	2.19	10.94	9	-1.18	8.82		
17	8.90 00	8.8	~~9.10~~ 8.80	~~12~~ 10 10	~~2.07~~ 1.99	2.19	11.04					
18	9.45 2.1	9.6	~~9.75~~ 9.60	~~15~~ 17 15	~~1.96~~ 2.28	2.22	11.50					
19	9.85 10	9.8	~~9.90~~ 9.75 9.88	02 05 05	2.06 2.14	2.30	12.10					
20	9.95 01	9.9	9.90	9.92 03 02	2.27	2.31	12.23					
21		7	9.90 ~~X~~	9.90 · ±	2.37	2.31	12.21					
22												
23												
24												

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Inc Series 318 YELLOW

Scale W Inc 6.230 Cg Alt. +.03 P.C.

	Sc.1	Sc.2	Cw.	Magn	Sc.1	Sc.2		
1	.		.			8.8 8.8	−.152	7.28
2	.		.			8.3 8.4	−.164	6.71
3	B.		.			8.3 8.2	−.166	6.59
3a	3.9 3.8?		351	741?		8.9 8.8	−.151	7.34
4	3.4 3.3		375	7.15		8.7 8.6	−.156	7.09
5	4.8 4.7		3.03	7.83		9.2	−.141	7.7x
6	4.8 4.7		3.03	7.83		9.3	−.139	7.91
6a	4.9 4.8		3.00	7.90		8.9	−.150	7.40
7	5.0 4.9	B.	2.94	7.94		9.0	−.147	7.53
8	6.3 6.21 6.30 0 0	6.3	2.39	8.69		9.9	−.120	8.70
8a	7.0 6.9 7.05 0 1	7.1	2.21	9.26		7.	.	.
9	7.8 7.7 7.75 0 1	7.7	2.15	9.90		7.	.	.
10	8.0 7.9 8.00 0 0	8.0	2.14	10.14		7.	.	.
11	6.6 6.7 6.75 0 1	6.7	2.27	9.02				
12	7.5 7.4 7.55 1 0	7.6	2.16	9.71				
13	7.9 7.8 7.80 1 1	7.7	2.15	9.95				
14		8.15 1 0 8.1 8.2	2.15	10.30				
15		8.05 1 0 8.1 8.0	2.14	10.19				
16		9.10 1 1 9.2 9.0	2.20	11.30				
17		9.10 0 0 9.1 9.1	2.20	11.30				
18		9.75 0 1 9.8 9.7	2.30	12.05				
19		9.70 1 1 9.8 9.6	2.29	11.99				
20		9.80 0 0 9.8 9.9	2.30	12.10				
21		7. 7	.	.				
22		7.	.	.				
23								
24								

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WOLBACH mc Series 318. YELLOW

Scale W mc 6231 D. 9.10 alt −.12 Pc

	Sc.1		Sc.2			Sc.2	Cw.	Magn
700 foor. 1	.		.			8.75 1.0		
" " 2	.		.		7,	8.7 8.8	−.154	7.21
" " 3	.		.			8.35 1.0		
" " 4	.		.			8.3 8.2	−.166	6.59
" " 5	.		B. .			8.90 1.1		
6	5.8 5.7	5.65 2.1	5.5	2.61	8.26	8.8 9.0	−.150	7.40
7	5.9 5.8	5.75 1.2	5.6	2.59	8.34	9.15 1.0		
8	6.4 6.3	6.30 1.1	6.2	2.39	8.69	9.1 9.2	−.144	7.71
9	6.9 6.8	6.85 1.0	6.8	2.23	9.08	8.95 1.0		
700 foor. 10	.		B. .			8.9 9.0	−.149	7.46
11	4.8 4.7		B.	3.03	7.83	9.4	−.136	8.04
12	6.7 6.6	6.65 1.0	6.6	2.29	8.94	9.9	−.120	8.70
13	5.3 5.2	5.25 1.0	5.2	2.81	8.06	7	.	.
14	5.1 5.0	5.05 1.0	5.0	2.91	7.96	7.	.	.
15	7.		8.7	2.18	10.88	8.7	−.155	7.15
16	6.0 5.9	5.85 2.1	5.7	2.55	8.40	8.9	−.150	7.40
17	7		8.3	2.15	10.45	lazy	.	.
18			6.6	2.30	8.90	9.5	−.128	8.42
19			8.7	2.18	10.88	9.3	−.139	7.91
20			8.6	2.17	10.77	7	.	.
21	7.9 7.8	7.90 0.0	7.9	2.14	10.04	9.9	−.120	8.70
22			8.5	2.17	10.67	7	.	.
23	7.8 7.7	7.85 0.1	7.9	2.15	10.05	7	.	.
24			8.7	2.18	10.88	7.	.	.
25			9.7	2.29	11.99			
26	7.7 7.6	7.80 1.1	7.9	2.14	9.94			
27			8.3 8.4	2.16	10.51			
28			9.5	2.27	11.77			

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Scale W | Inc 6231 | D10 (cont) | Alt -.12 | P.E.

	Sc.1	Sc.2	Cw.		Sc.2
29		9.5	2.27	11.77	
		9.50 1.1			
30		9.496	2.27	11.77	
		9.900 0			
31		9.9 9.9	2.30	12.20	
		9.90 0.0			
32		9.7 9.7	2.29	11.99	
		9.30 0.0			
33		9.3 9.3	2.23	11.53	
		9.90 0.0	.30		
34		9.5 9.9	2.27	12.20	
		9.95 0.1			
35		10.0? 9.9?	2.32	12.27	
36		7.			

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Inc Series 318. YELLOW

Scale W Inc 6232 RX Draco (Var. Seq.) Pe

alt +.11

	Sc.1	Sc.2	Cw. Magn	Sc.2	
Too faar α	.	.	. .	9.75 1.0 9.7 9.8	-1.26 8.49
" " β	.	.	. .	7	
γ	6.8. 6.7? 6.75 0.1	6.7	2.27 9.02?	10.00 0.0 10.0? 10.0?	-.18 8.82?
α	6.9 6.95 0.1	6.9	2.22 9.17	7 . .	
ζ	.	.	. .		
d	7.7 7.80 0.0	7.8	2.14 9.94		
c		7.90 0.0 7.9 7.9	2.14 10.04		
e	7.	8.95 1.0 8.9 9.0	2.20 11.15		
ζ		9.70 0.0 9.7 9.7	2.29 11.99		
g		9.7	2.30 12.28		
h		9.80 1.1 9.9 9.9	2.30 12.10		
k		7. 7	. .		
l		7.	. .		
m		7	. .		
n					
o					
p					
q					
r					
s					

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Inc Series 318 YELLOW

Scale W Inc 6232. RX Draco Rel. Seq. P.C.

	Sc.1		Sc.2	Sc.1	Sc.2	
				7.8		
1	B		B.	7.7	7.8	7.80 0 0
2	B		B		8.2	8.20 0 0
3	4.9 (5.0)	5.00 0 0	5.0		9.4	9.35 0 1
4	5.8 (5.7)	5.80 1 1	5.7		9.9	9.80 1 1
5	6.7 (6.8)	6.80 0 0	6.8		7.	7.
6	6.7 (6.8)	6.75 0 1	6.7			
7	7.1 (7.2)	7.25 0 1	7.3			
8	7.7 (7.8)	7.80 0 0	7.8			
9	7.9 (8.0)	7.90 1 1	7.8			
			8.35 0 1			
10	7.		8.4 8.3			
			8.85 1 0			
11			8.9 8.8			
			9.50 1 1			
12			9.6 9.4			
13						
14						
15						

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Ymc Series 318 YELLOW

Scale W Ymc 6233 Pole Pe.

	Sc.1	Sc.2	Cm.	Magn	Sc.1	Sc.2			
5	B		.		8.0	8.1	8.10 00	− 169	6.41
6	B.		.		8.7	8.8	8.75 1.0	− 154	7.21
7	.		.		8.8	8.8	8.80 00	− 151	7.29
8	4.9		B.	2.93	7.93	9.4	9.4	9.40 00	− 136	8.04
9	6.2	6.40 1.1	6.5	2.34	8.74	7.7	.	.	.	
10	6.6	6.60 1.1	6.5	2.30	8.90					
11	7.0	7.20 1.1	7.3	2.19	9.39					
12	7.2	7.30 00	7.3	2.19	9.49					
13	7.7	7.80 00	7.8	2.15	9.95					
14	7.8	7.90 00	7.9	2.14	10.04					
15	7		8.6	2.18	10.78					
16	7.	8.80 00	8.7	2.19	10.89					
17		8.8	8.8	2.19	10.99					
18		9.10 00	9.1	2.21	11.31					
19		9.75 0.1	9.8	2.29	12.04					
20		9.90 0.0	9.9	2.31	12.21					
21		9.90 00	9.9	2.31	12.21					
22			7		.					
23										

11.57

See p 35

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2.00 — Mc Series 318 — YELLOW

Scale W — Mc 6233 — Pole

	Sc.1		Sc.2	6238 / 7.48		Diff	Sc.1	Sc.2	6238 / 7.48	
5	B.			.			7.80	8.1	8.05 01	8.35 15 15 / 8.20
6	2.0 21			34	2.75	7.6 4.23	7.	8.8 8.8	8.80 00	8.90 05 05 / 8.85
7	.			.	.	.		8.8 8.9	8.85 01	9.15 15 15 / 9.00
8	4.8 49		B.	5.20	5.05	15 15 2.98		9.4 9.3	9.35 01	9.60 13 12 / 9.48
9	6 62			6.45	6.32	12 13 2.42		9.9 9.9	9.90 00	10.00 05 05 / 9.95
10	6.4 65			6.80	6.65	15 15 2.23		7 7.	8. 3	,
11	7.1 72	7.15 01	7.1	7.60	7.38	23 22 1.98				
12	7.3 74	7.35 01	7.2	7.60	7.48	13 12 2.10				
13	7.8 79	7.85 10	7.8	8.10	7.98	13 12 2.10				
14	7.7 78	7.90 11	8.0	8.2	8.05	15 15 2.19				
15	7.		8.6	8.7	8.65	0 1 1.99				
16			8.8 8.9 (8.85 01)	8.90	8.88	03 02 2.06				
17			8.8 8.8 (8.80 00)	9.00	8.90	10 10 2.14				
18			9.2 9.2 (9.20 00)	9.30	9.25	05 05 2.31				
19			9.9 9.7	9.70	9.70	00 00 2.24				
20			9.9 9.9 (9.90 00)	9.90	9.90	00 00 2.29				
21			9.9 9.9	.	9.90	00 00 2.37				
22			7. 7.	.	.	.				
23										
24										

(Rec. wrong?)

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WOLBACH Inc Series 318 YELLOW

Scale W Inc 6234 S Cygni Var. Seq. Pt.

Diff.		Sc.1		Sc.2	Ow.	Magn	Sc.1	Sc.2		
		38.						8.95 0.1		
-1.77	a	3.7		B	.	.		9.a 89	-1.61	7.34
		58.						9.80 1.1		
-1.87	e	5.7	5.65 2.1	5.5	2.65	8.30		9.9 9.9	-1.29	8.51
		53.						9.90 0.0		
-1.54	b	5.2	5.35 1.0	5.4	2.79	8.14		9.7 9.7	-1.33	8.37
-1.45	e	7.1	7.15 1.0	7.2	2.14	9.29		7 7	.	.
		67.								
-1.21	d	6.6	6.60 1.1	6.5	2.27	8.87				
		78.								
.	g	7.7	7.80 0.0	7.8	2.09	9.89				
		78.								
	f	7.7	7.75 0.1	7.7	2.09	9.87				
	l	7.		8.8	2.14	10.94				
	k	7.		8.7	2.13	10.83				
	m			8.9	2.16	11.06				
(Wrong unit)	h			* 8.35 1.0 13.84	2.09	10.44				
				9.80 0.0						
	o			9.8 9.8	2.34	12.14				
				9.65 1.0						
	n			9.7 9.6	2.29	11.94				
				9.90 0.0						
	p,			9.9 9.9	2.37	12.27				
				9.90 0.0						
	p			9.9 9.9	2.37	12.27				
	q			7. 9.7.	.					
				7 7						
	r			9.90 0.0						
	s			9.9 9.9	2.37	12.27				
	t			7 7	.					

Var. 10.0?

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Inc Series 318 YELLOW

Scale W Inc 6234 S Cygni Ref. Seq PC.

	Sc.1	Sc.2					Sc.2		
1	3.4 3.3	B.				7	8.9	8.9	8.90 00 -.163 7.27
2	4.9 4.8	B.					9.3	9.3	9.30 00 -.148 7.82
3	4.7 4.6	B.					9.0	9.1	9.05 01 -.158 7.47
4	7.3 7.2	7.2	7.1	7.20	101	2.13 9.33	7.	7.	7.
5	7.4 7.3	7.6		7.50	11	2.10 9.60			
6	7.0 6.9	6.9		6.95	01	2.19 9.14			
7	7.8 7.7	7.8		7.80	00	2.09 9.89			
8	8.1 8.0	8.1		8.10	00	2.09 10.19			
9	7.	8.4	8.6	8.50	11	2.11 10.61			
10		8.7	8.7	8.70	00	2.13 10.83			
11		8.3	8.3	8.30	00	2.09 10.39			
12		9.6	9.7	9.65	01	2.30 11.95			
13		9.9	9.9	9.90	00	2.37 12.27			
14		7.	7.						
15									
16									
17									
18									
19									
20									

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WOLBACH Inc Series 318 YELLOW

Scale W | Inc 6235 | 8 Urs. Maj. | P.e.

	Sc. 1	Sc. 2	
a			
b			
c			
d			
e			
f			
g			
g'			
g²			
g³			Omit
h			
k			Plate Quality B.
l			
m		8.9	
n			
o			
p			
p'			
q			
r			
s			
t			
u			
w			
x			
			—
Var.			

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Mc Series 318 **YELLOW**

Scale W Mc 623 f- ~~Tues. Maj.~~ C11 alt. +.10 P.C.

		Sc.1		Sc.2		Sc.1	Sc.2	Cw.
1	a	B.				7.	8.15 0 1	
2	b	B				7.9 7.95 0 1	8.2 8.1	-.18 5 / .28 30
3	c	4.6 47.				7.	7.9	. .
4	d	B.				8.0 8.00 1 1	9.05 0 1 9.0 9.1	-.158 7.47
5	e	4.3 44.					7.9 8.90 0 0	-.189 6.11
6	f	5.0 51.		2.92	8.02		8.9 8.9	-.164 7.26
7	g	6.2 6.5.		2.30	8.80		9.3	-.149 7.81
8	g'	6.1 6.8.		2.22	9.02		7.	. .
9	g	6.9 6.8	6.80 0 0 6.8	2.22	9.02		7.	. .
10	g	6.9 7.0.	6.95 0 1 6.9	2.19	9.14		7.	" .
11	g	7.3 7.4.	7.55 2 1 7.7	2.09	9.64		7	. .
12	k	6.2 6.3.	6.30 0 0 6.3	2.36	8.66			
13	l	5.9 6.0.	6.05 0 1 6.1	2.48	8.53			
14	m	6.1 6.2.	6.15 0 1 6.1	2.42	8.57			
15	n	7.9 8.0.	7.95 0 1 7.9	2.09	10.04			
16	o	7.9 8.0.	7.95 0 1 7.9	2.09	10.04			
17	p	7.9 8.0.	7.97 0 0 1 8.0 7.9	2.09	10.06			
18	q	7.8 7.9.	7.95 1 0 8.0	2.09	10.04			
19	r			8.9	2.16	11.06		
20	s			8.8	2.14	10.94		
21	t			7 9 9.0	2.16	11.16		
22	u			9.3 0 0 8.70	2.22	11.52		
23	w			8.7 8.7 1 1 9.80	2.13	10.83		
24	x			9.7 9.9 0 0 9.80	2.33	12.13		
25	y			9.8 9.8 2 1 9.20	2.33	12.13		
26				9.3 9.1 1 0 9.95	2.20	11.40		
27	~~Tau~~			9.9 10.0? 0 0 9.85 1 0	.	.		
28				9.9 9.8?	2.37	12.19		

(Wrong star?)

29 - too faint

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1915phae.proj.1045M

Monday, March 29, 1915

Copied (by W.S.L.)

mc Series 318 YELLOW

Scale W mc 6231 S. Cephei alt. +.07

	Sc.1	Sc.2	Cm.	Magn.	Sc.1	Sc.2	Cm	Magn
a	3.7	B	.	.	7.	8.8 8.8	.167	7.13
d	6.3	6.5	2.31	8.76		9.9 9.9	.125	8.65
e	6.9	7.1	2.16	9.21		7. 7.	.	.
c	4.7	B.	.	.		9.3 9.2	.154	7.7x4
g	4.8	B.	.	.		9.4 9.2	.149	7.8x3
f	7.1	7.1	2.13	9.28		7. 7.	.	.
h	7	8.2	2.09	10.29				
g	7.7	7.8	2.10	9.90				
k	7	8.6 8.4	2.11	10.61				
l	7.	8.4 8.2	2.09	10.39				
m		9.1 9.2	2.22	11.37				
n		9.8 9.4	2.29	11.89				
n'		9.4 9.6	2.27	11.77				
o		hazy	.	.				
q		7.	.	.				
q'		7.	.	.				
r								
s								
t								
u								
w								
Var.		7.2 7.3	2.11	9.36	7.			

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1915phae.proj.1045M

Monday, March 29, 1915

mc series 318 YELLOW

Scale W mc 6238 ~~C11~~ Pole. PC.

	Sc.1		Sc.2	Sc.1	Sc.2
5	B.		B.		8.4 8.3 8.3501
6	3.3				8.9 8.9 8.9000
7	.		.		9.2 9.1 9.1501
8	5.2	5.2011	5.1		9.7 9.5 9.6011
9	6.4	6.4510	6.4		10.0 10.0 10.0000
10	6.7	6.8000	6.8		7. P
11	7.4	7.6011	7.7		
12	7.4	7.6011	7.7		
13	8.0	8.1000	8.1		
14	7.		8.2		
15	7.		8.7		
			8.9000		
16			8.9 8.9		
			9.0000		
17			9.0 9.0		
			9.3000		
18			9.3 9.3		
			9.7000		
19			9.7 9.7		
			9.9000		
20			9.9 9.9		
21					
22			7.		

Hazy

(about 5m out)

4.03

Sept 42

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1915phae.proj.1045M

Thursday October 17, 1915

10.30 mc Series 160 318 YELLOW

Scale W mc 4265 Pole

	Sc 1		Sc 2	mc 4270 ps 4270 ps 53		Diff.
5	3.3 3.2			3.6	3.45	1 2 2.98
6	4.5 4.4		B.	4.3	4.40	1 1 2.58
8	5.8 5.7	5.75 0 1	5.7	5.80	5.78	03 02 2.25
9	6.9 6.8	6.90 1 1	6.7	6.85	6.82	02 03 1.92
10	7.2 7.1	7.20 0 0	7.2	7.1	7.15	05 05 1.73
11	7.9 7.8	7.85 1 0	7.8	7.7	7.78	07 08 1.58
12	8.0 7.9	8.00 0 0	8.0	8.0	8.00	00 00 1.58
13	7.		8.8 8.7	8.75	8.75	00 00 1.33
14			8.8 8.9	8.90	8.88	03 02 1.36
15			9.5 9.6	9.55	9.55	00 00 1.09
16			9.7 9.9	9.90	9.85	05 05 1.09
17			7. 9.9	10.00	9.95	05 05 1.09
18			7.	.	.	.
19						
20						
23						
25						

P.C.

Sc 1	Sc 2	mc 4270	
	9.0 0 0		
	9.0 9.0	9.00	-2.57
	9.9 0 0	9.95	-2.63
	9.9 9.9	10.00	-3.02 -2.97
	7.		

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Thursday, October 14, 1915

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Inc. Series 160 ~~318~~ YELLOW

Scale W Inc. 4266 X Cygni Alt. +.10 P.C.

		Sc.1	Sc.2	Cm.	Magn	Sc.1	Sc.2		
	e					6.7 6.6 6.6 5 1 0	6.6		
Double: br. meas.	f	B.				7.5 7.4 7.4 0 1 1	7.3		
	h	2.2 2.1				7.	8.4 8.4		
	g	2.4 2.3				7.	8.4 8.3		
	l	3.8 3.7		2.80	6.60		8.9 8.9	-2.55	6.35
	n	4.3 4.2		2.64	6.94		9.6 9.5	-2.81	6.74
	m	5.2 5.1		2.37	7.57		7.		
	q	4.9	B.	2.42	7.42		7.		
Double: br. meas.	k	3.1 3.0	B.	3.05	6.15		8.6		
	o	4.9 4.8	B.	2.47	7.37		7.		
	r	5.9 5.8 5.7 5 1 2	5.6	2.21	7.96		7.		
	s	6.2 6.1 6.1 5 0 1	6.1	2.08	8.23				
	t	6.7 6.6 6.6 0 1 1	6.5	1.95	8.55				
	p	4.9 4.8	B.	2.47	7.37				
	w	7.2 7.1 7.1 3 1 0 0	7.1	7.1 1.81	8.94				
	u	7.1 7.0 7.1 0 0 0	7.1	1.81	8.91				
	z	7.	8.2	1.49	9.69				
	x	7.5 7.4 7.5 3 0 0 1	7.5	7.6 1.69	9.22				
	v	7.9 7.8 7.8 3 1 1 0	7.8	7.8 1.60	9.43				
	Y		8.9	8.7 1.33	10.13				
	δ		8.0	7. 1.04	11.04				
	α		8.4	8.7 1.40	9.95				
	β		8.9	9.0 1.29	10.24				
	ε		7.1	7.					
	ζ		7.						
	θ		7.						
	η								
Var	B		B.	7.7 1.63	9.33	7.3	7.6		

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~~THC Series~~ 160/~~318~~ YELLOW

Scale W Mt H268 Q3 Alt. +.07 P.E.

	Sc.1	Sc.2	Cw.	Magn	Sc.1	Sc.2
Moon near edge 1						
2						
3	5.2 (5.3)		2.34	7.64	7.7	
4	4.0 (4.1)	B	2.71	6.81	9.6 9.7 (9650 1)	−2.83 6.82
5	3.1 (3.2)	B	3.01	6.21	8.7 8.8 (875 1 0)	
6	5.9 (6.0) 590 1 1	5.8	2.17	8.07	7.7	
7	4.8 (4.9)	B	2.46	7.36	9.9 10.0 (995 1 0)	−2.95 7.00
8	6.8 (6.9) 680 1 1	6.7	1.90	8.70	7.7	
9	6.9 (7.0) 705 0 1	7.1	1.82	8.87	7.	
10	6.8 (6.9) 685 1 0	6.8	1.89	8.74		
11	7.9 (7.1) 710 0 0	7.1	1.81	8.91		
12	7.7 (7.8) 775 0 1	7.7	1.62	9.37		
13	7.5 (7.6) 760 0 0	7.6	1.66	9.26		
14	7	8.1	1.51	9.61		
15	7.	8.4	1.43	9.83		
16		7.9 (8.05 1 2)	8.21 1.52	9.57		
17		9.0 (9.00 0 0)	9.0 1.27	10.27		
18		9.2 (9.35 2 1)	9.5 1.19	10.54		
19		9.9 (9.80 1 1)	9.7 1.10	10.90		
20		9.0 (9.00 0 0)	9.0 1.27	10.27		
21		10.0	7. 1.05	11.05?		
22		7.				
23						
24						

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Thursday, October 14, 1915

M.C. Series 160

YELLOW

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Scale W

MC 4269 B 9

Alt. +.13 P.C.

	Sc.1		Sc.2	Cw.	Magn.	Sc.1	Sc.2		Cw.	Magn.
	3.3					7.	9.6	9.4 950 11	-2.79	6.71
1	3.2			2.98	6.28		9.3	9.4 935 10	-2.74	6.61
2	4.4 4.3			2.61	7.01		8.9	8.7 880 11	-2.51	6.29
3	3.4 3.3			2.94	6.34		9.9	9.9 99000	-294	6.96
4	4.4 4.3			2.61	7.01		9.9	9.9 99000	-294	6.96
5	4.7 4.6		B.	2.52	7.22		7.	.	.	.
6	5.4 5.3	5.35 0 1	5.3	2.34	7.69	Covered by defect	.	.	.	.
7	3.7 3.6		B.	283	6.53		7.	.	.	.
8	6.7 6.1	6.25 0 1	6.3	2.06	8.31		9.9	.	-294	6.96
9	4.5 4.4		B.	257	7.09		7.	.	.	.
10	6.8 6.7	6.80 0 0	6.8	1.90	8.70		.	.	.	
Double (do not meas.) 11	.		.	.	.					
12	6.8 6.7	6.80 0 0	6.8	1.90	8.70					
13	7.7 7.6	7.70 0 0	7.7	1.64	9.34					
14	5.8 5.7	5.70 1 1	5.6	2.23	7.93					
15	8.0 7.9	8.00 0 0	8.0	1.54	9.54					
16	7.		8.1	1.51	9.61					
17			8.2 8.5 0 1	1.49	9.69					
18			8.6 8.5 7.75 1 0	1.40	9.95					
19			7.7 7.8 8.30 0 0	1.62	9.37					
20			8.3 8.3 9.70 0 0	1.46	9.76					
21			9.7 9.7 8.30 0 0	1.12	1.082					
22			8.3 8.3	1.46	9.76					
23			7.	.	.					
24			7.	.	.					

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1915phae.proj.1045M

Thursday, October 14, 1915

Mc WOLBACH 160 YELLOW

Scale W Mc 42,70 Pole P.C.

	Sc.1	Sc.2	Sc.1	Sc.2
5	3.6 3.5			9.00 00
6	4.3 4.2	B.		9.0 9.0
8	5.9 5.8 5.80 1 1	5.7 6.85 0 1		10.00 00 10.0 10.0
9		6.8 6.9		7.
10		7.1		
11		7.7		
* 12		8 5 0 8.75 1 0		
13		8.7 8.8 8.90 0 0		
14		8.9 8.9 9.55 0 1		
15		9.6 9.5 9.90 0 0		
16		9.9 9.9 10.00 0 0		
17		10.0 10.0		
18				
19				
20				
23				
25				
26				

See p. 49

12.17

	Sc.1	Sc.2
* 11.		7.9
12.	8.0	8.2
13.		8.7

* Remeasured Nov. 10, 1915. 9.7.m.
Evidently mistake of a unit.

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1915phae.proj.1045M

Saturday, October 16, 1915

10.15 mc Series 105 YELLOW

Scale W mc 3630 Pole PC

	Sc.1	Sc.2	mc 3635 +60		Diff.	Sc.1	Sc.2	mc 3635
5	2.1 2.0		2.7	2.40 3 3	1.03		8.45 01	.868 23 22
6	3.7 3.6		3.8	3.75 1 0	3.23		8.48.5	8.90 -247 -225
8	5.2 5.1	B.	5.85	5.52 33 33	2.51		9.00 00	.9.22 23 23
9	6.4 6.3 6.30 1 1	6.2	6.75	6.52 23 23	2.22		9.0 9.0	9.45 -247 -224
10	6.2 6.1 6.20 0 0	6.2	6.80	6.50 30 30	2.38			
11	7.0 6.9 6.95 0 1	6.9	7.35	7.15 20 20	2.21			
12	7.3 7.2 7.25 1 0	7.2	7.60	7.42 17 18	2.16			
13	8.0 7.9 7.95 0 1	7.9	8.30	8.12 17 18	1.96			
14		8.00 1 2 8.1 7.9	8.35	8.18 18 17	2.06			
15		8.60 0 0 8.6 8.6	8.85	8.72 12 13	1.92			
16		9.00 0 0 9.0 9.0	9.15	9.08 08 07	1.86			
17		9.15 2 1 9.0 9.3	9.25	9.20 05 05	1.84			
18		10.00 0 0 10.0 10.0	10.0	10.00 00 00	1.56			
19		7. 7.						
20								
23								
25								
26								
27								

Proj. shafe. Def?

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Saturday, October 16, 1915

mc Lyrae 385 copied

YELLOW

Scale W mc 3631 D 11 Alt. -.10 Pc.

	Sc.1	Sc.2	Cw.	Magn.	Sc.1	Sc.2
			75			850 1 1
1	2.8 2.7		388	6.65	7.	8.486 - 2.09 6.41
2	4.7 4.6		2.89	7.59		990 0 0 9.9 9.9 . .
3	.	.	.	.	.	. .
4	4.4 4.3		301	7.41		950 1 1 9.4 9.6 . .
5	3.3 3.2		348	6.78		9.10 0 0 9.1 9.1 - 229 6.81
6	3.4 3.3		342	6.82		9.7 . .
7	4.8 4.7		2.83	7.63		10.0 . .
8	4.4 4.3	B.	3.01	7.41		9.8 . .
9	5.5 5.4 5.45	5.4	2.61	8.06		7. . .
10	4.8 4.7	B.	2.83	7.63		7. . .
11	4.9 4.8	B.	2.80	7.70		10.0 2 . .
12	6.1 6.0 6.10 0 0	6.1	2.42	8.52		7. . .
13	4.7 4.6	B.	2.89	7.59		
14	7.2 7.1 6.93 3 1 1	6.8 6.8	2.24	9.17		
15	7.6 7.5 7.60 0 0	7.6	2.10	9.70		
16	6.8 6.7 6.75 0 1	6.7	2.27	9.02		
17	6.8 6.7 6.75 0 1	6.7	2.27	9.02		
18	7.8 7.7 7.80 0 0	7.8	2.05	9.85		Sc.2
19		7.5	2.12	9.62	27	8.8
20		7.8	2.05	9.85	* 28	8.9
21		7.9	2.04	9.94	29	9.8
22		7.6	2.10	9.70		
23		8.3	1.96	10.26		
24		7.4	2.14	9.54		
25		8.95 0 1 9.0 8.9	1.85	10.80		
26		9.20 1 1 9.1 9.3	1.80	11.00		
27		8.85 1 0 8.9 8.8	1.86	10.71		
28		* ~~8.95~~ 8.90 0 0	1.86	10.76		9.90 0 0 1.61 11.51
29		9.0 8.9				9.9 9.9

* Remeasured Mt. Hor. 26/11/15
Evidently mistake of unit in recording.

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Saturday, October 16, 1915

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Ym C Series 105

YELLOW

Scale W

Ym C 3632

C11

alt. +.09

P.C.

	Sc.1		Sc.2	Cu.	Magn
1	2.9 2.8			3.70	6.60
2	2.3 2.2			4.12	6.42
3	4.8 4.7			2.84	7.64
4	2.8 2.7			3.75	6.55
5	4.0 3.9			3.14	7.14
6	4.8 4.7		B.	2.84	7.64
7	5.9 5.8	5.90 00	5.9	2.48	8.38
8	6.3 6.2	6.30 00	6.3	2.38	8.68
9	6.5 6.4	6.45 10	6.4	2.35	8.80
10	7.0 6.9	7.05 01	7.1	2.21	9.26
11	7.6 7.5	7.60 00	7.6	2.10	9.70
12	6.0 5.9	6.00 00	6.0	2.44	8.44
13	5.4 5.3	5.30 11	5.2	2.66	7.96
14	5.8 5.7	5.70 11	5.6	2.54	8.24
15			8.0	2.01	10.01
16			8.3	1.96	10.26
17			8.2	1.98	10.18
18			8.1	2.00	10.10
19			9.35 01 9.4 9.3	1.77	11.12
20			9.50 11 9.4 9.6	1.73	11.23
21			10.00 00 10.0 10.0	1.59	11.59
22			10.00 00 10.0 10.0	1.59	11.59
23			9.15 01 9.2 9.1	1.80	10.95
24			7. 10.0?	1.59	11.59?
25					

Sc.1	Sc.2			
7.	8.75 20 8.7	8.8	-2.18	6.57
	8.30 00 8.3	8.3	"	"
	7.	7.	"	"
	8.65 01 8.6	8.7	-2.18	6.50
	7.	9.9	"	"
	7.		"	"

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Tm. c. Series 10.5 — YELLOW

Scale W Tmc 3633 Tm 15 alt. +.09 P. C.

	Sc.1		Sc.2	Cu.	Magn	Sc.2
1	5.0 (5.1)		B. (7.4)	2.48	7.84	7.
2	6.8 (6.9)	6.80 1 1	6.7?	226	9.06	
3	7.8 (7.9)	8.00 1 1	8.1	2.01	10.01	7 / 7.9 / 1
4	6.4 (7.5)	7.45 1 0	7.4	2.13	9.58	
5	7.7 (7.8)	7.75 0 1	7.7	2.07	9.82	
6	7.		8.2 8.30 0 0	1.98	10.18	
7			8.3 8.3	196	10.26	
8			8.6 8.4 (8.50 1 1)	1.93	10.43	
9			8.6 8.7 (8.65 0 1)	1.91	10.56	
10			9.9 9.9 (9.90 0 0)	1.60	11.50	
11			7. 7.	.	.	
12			9.9 9.9 (9.90 0 0)	1.60	11.50	
13			7. 7.	.	.	
14						
15						
16						
17						
18						
19						
20						

Wrong unit.

all images elongated

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Saturday October 16, 1915

Mn C Series 105 YELLOW

Scale W	Mn C 3633	Mn 15
	Sc. 1 Sc. 2	
a	7 / 8.8	
b		
c		
d	7 / 9.2	
e		
f		
g		
h		
K		
l		
m		
n		
o		
p		

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Saturday October 16, 1915

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Ymc Series 105 **YELLOW**

Scale W Ymc 3634 S Cephei Alt +.07 P.C.

	Sc.1		Sc.2	Cw.	Magn.	Sc.2
a	4.4 4.3		B.	3.01	7.41	7.
d	6.4 6.3	6.35 0 1	6.3 5.0	2.38	8.73	7.
e	6.9 6.8	6.85 1 0	6.8	2.25	9.10	
c	4.8 4.7		B.	2.84	7.64	
f	5.2 5.1	5.10 1 1	5.0	2.74	7.84	
g	6.9 6.8	7.00 1 1	7.1	2.21	9.21	
h	8.4	8.40 0 0	8.4	1.94	10.34	
q	7.7	7.80 1 1	7.9	2.05	9.85	
K	7.		8.8 8.7	1.88	10.68	
l			8.8 8.7	1.88	10.63	
m			7.7			
n			7.			
n'						
o						
q						
q'						
r						
s						
t						
u						
w						

Val. 4.4 B. 3.01 7.41

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1915phae.proj.1045M

Saturday, October 16, 1915

mc Series 105

YELLOW

Scale W mc 3635 Pole, P.C.

	Sc.1	Sc.2		Sc.1	Sc.2
5	2.7 2.6				
6	3.8 3.7	B.			
8	5.9 5.8 5.85 1.0	5.8			
9	6.8 6.7 6.75 0.1	6.7		7.	8.90 0.0 8.9 8.9 8.35 9.45 1.0 9.3 9.4 9.00 10.0 10.0
10	6.8 6.7 6.80 0.0	6.8			
11	7.4 7.3 7.35 0.1	7.3			
12	7.6 7.5 7.60 0.0	7.6 8.30 0.0			
15	7.	8.3 8.3 8.35 1.0			
14		8.3 8.4 8.85 1.0			
15		8.9 8.8 9.15 0.1			
16		9.2 9.1 9.25 1.0			
17		9.3 9.2			
18		7. 10.0			
19					
20					
23					
25					

12.53

See p 54

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1915phae.proj.1045M

Tuesday October 19, 1915

11.50 mc Series 107 YELLOW

Scale W mc 3651 Pole.

		Sc.1	Sc.2	mc 3656 p.66				Diff
Off plate	1							
" "	2							
Prom. E.	3							
" " E.	4							
	5	2.6 (2.7)		2.2	2.45	3	2	3.98
	6	3.5 (3.6)		3.8	3.70	1	1	3.28
	8	4.7 (4.8)	B	5.45	5.12	32	33	2.91
Sm. def.?	9	6.1 (6.2)	6.35 2'	6.65	6.50	15	15	2.24
	10	5.9 (6.0)	5.90 1'	6.50	6.20	30	30	2.68
	11	6.8 (6.9)	7.00 1'	7.25	7.12	12	13	2.24
	12	7.2 (7.3)	7.25 1°	7.40	7.32	07	08	2.26
	13	7.		8.15	8.20	05	05	1.88
	14			8.45	8.50	05	05	1.74
	15			8.85	~~8.88~~ 8.92	02	~~03~~ 08 01	1.76 2)
	16			9.10	9.32	33	22	1.62
	17			9.25	9.55	30	30	1.49
	18			9.80	9.80	.	0	1.76
	19			7				
	20							
	23							
	25							

P.C.

Sc.1	Sc.2	mc 3656 p.66			
7.79					
7.8 (7.90 00)	7.9	7.75	7.82	08	07 +2.20
7.79 (7.8 7.85 10)	7.8 (8.00 00)	.	7.85	0	. -1.99
7.	8.4 8.4 (8.95 10)	8.35	8.38	02	03 -1.95
	8.9 9.0	9.00	8.98	03	02 -2.00
	7 7.	10.00	10.00	.	0 -1.97
	7	.	.		.

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Tuesday October 19, 1915

Inc Series 107 YELLOW copied.

Scale W Inc 3652 D11 alt-.10 Pc.

	Sc.1	Sc.2	Cm.	Magn	Sc.1	Sc.2	Cm.	Magn
1	2.4 2.3		3.95	6.35	7.	8.50 1 L 8.6 8.4	-1.96	6.54
2	4.8 4.7		2.95	4.75		10.0 9.95 0 L 8.5 9.9	-1.96	7.99
3	.	.	.	.	.	.	.	.
4	4.5 4.4		3.06	7.56	Im. def.?	9.60 L 1 9.5 2 9.7	-1.96	7.64?
5	3.7 3.6		3.36	7.06		9.05 1 0 9.1 9.0	-1.96	7.09
6	3.7 3.6		3.36	7.06		9.35 0 L 9.4 9.3	-1.96	7.39
7	5.2 5.1		2.81	8.01	Scratches	7.	.	.
8	4.6 4.5		3.02	7.62		9.9	-1.96	7.94
9	5.9 5.8		2.59	8.49		7.	.	.
10	4.7 4.6		2.99	7.69				
11	4.9 4.8		2.92	7.82				
12	6.3 6.21 6.25 1 0	6.2	2.48	8.73				
13	4.9 4.8	B.	2.92	7.82				
14	7.2 7.1 7.15 0 L	7.1	2.20	9.35				
15	7.6 7.5 7.70 L 1	7.8	2.01	9.71				
16	6.8 6.7 6.85 0 1	6.9	2.29	9.14				
17	6.8 6.7 6.75 0 L	6.7	2.31	9.06				
18	7.8 7.7 7.80 0 0	7.8	1.98	9.78				
19		7.9	1.95	9.85				
20		7.8	1.98	9.78				
21		8.1	1.90	10.00				
22		7.8 7.9	1.96	9.81				
23		8.6	1.77	10.37	No. 29.	9.90 0 0 9.9 9.9		
24		7.7	2.01	9.71	30	7.		
25		8.9 8.9	1.71	10.61	31	10.00 0 0 10.0 10.0		
26		9.4 9.3	1.68	11.03				
27		9.0 9.0	1.69	10.69				
28		8.9 8.8	1.72	10.57				

Wrong image off plate. Elong. Double.

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Tuesday, October 19, 1915

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mc Series 107 YELLOW

Scale W mc 3657 C 11 Alt. +.09 P.C.

	Sc.1		Sc.2	Cu	Magn
1	2.3 2.2			400	6.30
2	2.1 2.0			.	.
3	4.5 4.4			3.06	7.56
4	2.1 2.0			.	.
5	3.9 3.8			3.29	7.19
6	4.7 4.6		B.	2.99	7.69
7	6.0 5.9	5.95 0 1	5.9	2.58	8.53
8	6.4 6.3	6.30 1 1	6.2	2.46	8.76
9	6.6 6.4	6.55 1 0	6.6	2.39	8.94
10	6.8 6.7	6.80 0 0	6.8	2.30	9.10
11	7.4 7.3	7.40 0 0 0	7.4 7.4	2.10	9.50
12	5.9 5.8	5.80 1 1	5.7	2.61	8.41
13	5.2 5.1	5.15 0 1	5.1	2.83	7.98
14	5.8 5.7	5.70 1 1	5.6	2.65	8.35
15	7.		8.3	1.85	10.15
16	7		8.4	1.82	10.22
17	7.		8.65 0 1 8.6 8.7	1.76	10.41
18			9.45 1 7 8.3 8.6	1.81	10.26
19			9.900 9.9 9.9	.	.
20			9.95 0 1 10.0 9.9	.	.
21			7.	.	.
22			7.	.	.
23			9.60 1 1 9.5 9.7	1.69	11.29
24			7.	.	.
25					
26					
27					
28					

Sc.1	Sc.2			
7.	8.55 0 1 8.6 8.5		-1.96	6.59
	7.95 0 1 8.0 7.9		-1.97	5.98
	10.00? 10.0 10.0	?	-1.96	8.04?
	8.10 1 1 8.2 8.0		-1.96	6.14
	7. 7		.	.
	7.		.	.

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Tuesday, October 19, 1915

Ymc Series 107

copied: YELLOW

Scale W Ymc 3654 7 Ceph Alt. t. 10 Pc.

	Sc.1	Sc.2	Cu.	Magn.	Sc.1	Sc.	Cu
Too near E. not seen. a	.		.		.	.	
" " " " " b	.		.		.	.	
						7.70 L 1	
c B.			.			7.6 7.8	-.197 5.73
						8.75 0 1	
d 3.2 3.1			359	6.79		8.8 8.7	-.196 6.79
						9.30 0 0	
e 3.8 3.7		B.	331	7.11		9.3 9.3	-.196 7.34
Double-br. meso. f 4.8 4.7		B.	295	7.75		7. 7.	. .
g 5.5 5.4	5.27 2 2 1	5.1 5.2	279	8.06		7. 7.	. .
						8.70 0 0	
g' 3.2 3.1		B.	359	6.79		8.7 8.7	-.196 6.74
h 4.8 4.7		B.	295	7.75		7. 7.	. .
h' 5.7 5.6	5.65 1 0	5.6	267	8.32		7.	. .
K 6.3 6.2	6.30 0 0	6.3	246	8.76			
K' 6.2 6.1	6.20 0 0	6.2	2.50	8.70			
μ2 7.1 7.8	7.15 L 0	7.2	220	935			
L 6.4 6.3	6.35 0 1	6.3	2.44	8.79			
m 7.2 7.1	7.15 0 1	7.1	220	9.35			
n 7.8 7.7	7.70 1 1	7.6	2.01	9.71			
o 7.		8.0	192	992			
o' 7.		7.3	214	944			
		8.80 1 1					
p		8.7 8.9	172	10.52			
		9.30 1 1					
p'		9.9 9.7	172	11.52			
		9.80 1 1					
q 7.7		9.9 9.7	173	11.52			
q' 7.6	7.60 0 0	7.7	2.01	9.71			
		9.95 0 1					
r		10.0 9.9	.	.			
r'		7. 7.	.	.			
s		7.	.	.			
t		7.	.	.			
u					Var. 3.5	3.6 3.41	7.01 B. 9.10 0 0 -.196 9.1 9.1 7.14
w							
x							

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1915phae.proj.1045M

Tuesday, October 19, 1915

mc Series 107 YELLOW

Scale W mc 3655 SW Aquarii Wt. +.03 P.C.

	Sc.1	Sc.2	Cw.	Magn.	Sc.1	Sc.2	Cw.	
α	2.1 2.0		.	.	8.1 8.0	8.20 1 1	8.3 −.196	6.24
β	3.7 3.6		3.36	7.06	9.40 1 L 9.5	9.3 −.196		7.44
γ	3.9 3.8		3.29	7.19	9.95 L0 9.9	10.0 −.196		7.99
δ	4.7 4.6	B.	3.02	7.72				
ε	4.9 4.8	B.	2.92	7.82				
ζ	5.7 5.6	5.3 5.1	2.77	8.15				
η	5.8 5.7	5.6	2.65	8.35				
θ	6.4 6.3	6.4	2.42	8.82				
λ	7.4 7.3	7.4	2.10	9.50				
μ	7.7 7.6	7.7	2.01	9.71				
a	7.9	7.7	.196	9.81				
f	7	8.6 8.5	.179	10.34				
c		9.4 9.6	.168	11.18				
d		9.0 9.0	.169	10.69				
e		9.9 10.0	.	.				
g		7 7	.	.				

Var. 9.7 .170 11.40

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1915phae.proj.1045M

Tuesday October 19, 1915

Mc Series 107 YELLOW

Scale W Mc 3656 Pole. P.C.

	Sc.1	Sc.2		Sc.1	Sc.2
1	.	.			
2	.	.			
3	B.				7.75 0.1 7.8 7.7
4	.	.	Moonrise 2	.	. 8.35 0.1
5	22. 2.1				8.4 8.3
6	38. 3.7	B.			9.00 0.0 9.0 9.0
8	56. 5.5 5.45 0.1	5.3			10.00 0.0 10.0 ?10.0 ?
9	67. 6.6 6.65 0.0	6.6			to
10	65. 6.4 6.50 0.0	6.5			
11	72. 7.1 7.25 0.1	7.3			
12	74. 7.3 7.40 0.0	7.4			
13	81. 8.0 8.15 1.0	8.2			
14	7.	8.45 2.1 8.6 8.3			
15		8.85 0.1 8.8 8.9			
16		9.10 1.1 9.2 9.0			
17		9.25 1.0 9.3 9.2			
18		9.80 1.1 9.7 9.9			
19		7.			
20					
23					

(30 m out)
2.47

See p. 61

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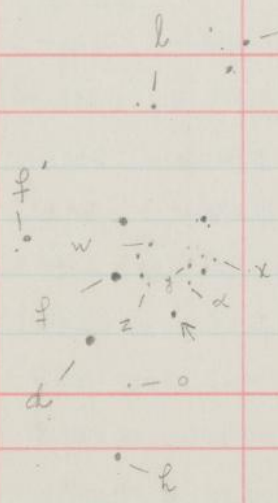
1915phae.proj.1045M

Chart showing additional faint comparison stars

for C 4032 (Reference Plate.)

~~Pc.~~

~~Sc.1~~ ~~Sc.2~~ ~~Sc.1~~ ~~Sc.2~~



Stars added to sequence from vol. 57 are

f', K', x, y, z, α.

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1915phae.proj.1045M

Tuesday December 14. 1915

10.00 Mc Series 107 (2nd half.) Y YELLOW

Scale W Mc 3656 Pole P.C.

		Sc.1	Sc.2	P.73	Mean	Diff.		Sc.1	Sc.2	
Too near E.	1									
" " "	2									P.73
" " "	3									8.20
" " "	4									
	5	2.2 2.3		B.	2.8	2.55	32 +3.88	7.	8.35 10 8.3 8.4	8.85
	6	3.9 4.0		B.	3.8	3.90	11 3.08		8.85 10 8.8 8.9	9.85
	8	5.6 5.7	5.60 1 1	5.5	5.4	5.50	10 10 2.53		7.	
	9	6.7 6.8	6.70 1 1	6.6	6.75	6.72	02 03 2.02			
	10	6.4 6.5	6.45 10	6.4	6.40	6.42	03 02 2.46			
	11	7.3 7.4	7.35 0 1	7.3	7.25	7.30	05 05 2.06			
	12	7.4 7.5	7.45 10	7.4	7.35	7.40	05 05 2.18			
	13	8.0 8.1	8.05 10	8.0	8.20	8.12	07 08 1.96			
	14	7.		8.4 8.4 8.40 00	8.40	8.40	00 00 1.84			
	15	7		8.8 8.8 8.80 00	8.75	8.88	08 07 1.76			
	16			8.9 9.1 9.00 1 1	9.40	9.20	20 20 1.74			
	17			9.2 9.2 9.20 00	9.50	9.32	15 15 1.69			
	18			9.7 9.7 9.70 00	9.90	9.80	10 10 1.76			
Def. mean.	19			9.7 7						
	20			7						
	23									
	25									

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Series 107 (2nd half) YELLOW

Scale W mc 3657 P Laertae Alt +.13 P.C.

	Sc.1	Sc.2		Curve	Magn.	Sc.1	Sc.2
a	4.2, 4.3	B				Sm. hazy.	9.8 9.8 9.8000
f	4.8 4.9	B.					7
d	6.3 6.4	6.4	6.4000	+ 2.31	8.71		7
5.6 5.9 c	5.7 5.8	5.2	5.4	2.59	8.11		7.
e	6.8 6.9	6.7	6.801 L	2.21	9.01		
f	7.5 7.6	7.5	7.550 L	2.04	9.59		
f'	7.7 7.8	7.8	7.8000	1.99	9.77		
h	7.	8.4	8.4a	1.85	10.25		
g	7.8 7.9	7.8	7.8510	1.96	9.81		
K	7.	8.8	8.9 8.8501	1.75	1060		
K'		9.3	9.2 9.2510	1.70	10.95		
l		9.2	9.1 9.1501	1.70	1085		
m		9.4	9.4 9.4000	1.70	11.10		
o		7	7				
n		9.8	9.7 9.7501	1.74	11.49		
p		7.	7				
q							
s							
r							
t							
w							
u							
x							
y							
z							
α							

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Series 107 (2nd half) YELLOW copied

Scale W · mC 3658 V Lacertae Alt. +.12 P e.

	Sc.1	Sc.2		Curve	magn.	Sc.1	Sc.2
a	4.9 5.0	B					7.
b	6.1 6.2	6.1	6.1501	2.40	8.55		
c	5.6 5.7	5.7	5.7000	2.53	8.23		
d	6.2 6.3	6.2	6.2510	2.37	8.62		
e	6.7 6.8	6.7	6.7501	2.22	8.97		
f	6.9 7.0	6.9	6.9501	2.16	9.11		
g	7.0 7.1	7.3	7.3011	2.11	9.31		
h	7.2 7.3	7.2	7.2510	2.10	9.35		
k	7.4 7.5	7.5	7.5000	2.04	9.54		
l	7.	8.6	8.3 8.4521	1.82	10.27		
m	7.	8.8	8.8 8.8000	1.76	10.56		
n		9.0	8.9501	1.72	10.67		
o		8.8	8.8 8.8000	1.76	10.56		
p		7.7					
q		7.					
r							
s							
t							
u							
w							

*Wrong unit.

V Lacertae Var.	4.950		2.73	7.73	7
X " "	4.748		2.80	7.60	7

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Tuesday · December 14, 1915

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Series 107 (2nd half) YELLOW

Scale W Inc 36 60/59 C 12 Alt. f. 10 P.C. . . .

	Sc.1	Sc.2		curve	magn.	Sc.1	Sc.2
1	3.0 3.1			3.48	6.58		9.2 9.2
2	2.6 2.7			3.69	6.39		8.8 8.8
3	4.0 4.1			3.02	7.12		9.8 9.9
4	2.6 2.7			3.68	6.38		8.9 8.9
5 Wrong im.	~~6.7~~ 6.8			~~2.21~~	~~9.01~~		9.4 / 7.5 9.3
6	5.1 5.2			2.69	7.89		7. 7.
7 Im. poor. E.						Def?	
8 Too far from centre						7.	
9	6.2 6.3			2.36	8.66	7.	
10	4.8 4.9	B		2.76	7.66		
11	6.6 6.7	6.4	6.55 1 2 5.30 223 L	2.27	8.82		
12	5.4 5.5 5.4 5.5	5.0	5.2	2.64	7.94		
13	7.1 7.2	7.0	7.10 1 L	2.13	9.23		
14	6.3 6.4	6.25	6.30 1 L	2.35	8.65		
15	6.3 6.4	6.3	6.350 L	2.33	8.68	Remeas. by O. July 5, 1917	
16		6.6		2.26	8.86	sc.1	
17		6.9		2.18	9.08	4 2.5	
17a		7.2		2.11	9.31	5 3.1	Evidently wrong star made at orig. sitting?
18		8.7		1.79	10.49	6 5.0	
19 Im. close. Double star?		9.2		1.70	10.90		Reject. W.S.A. July 5, 1917
19a		9.3	9.3 9.3000	1.70	11.00		
20		9.9	9.7 9.80 1 L	1.76	11.56		
21		9.7	9.8 9.7510	1.75	11.50		
21a		9.7	9.6 9.6510	1.73	11.38		
22		7.	7.				
23		9.9	9.9 9.9000	1.78	11.68		
24		7.	7.				
25							

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Tuesday, December 14, 1915

Series 107 YELLOW copied

Seaca W | mC 3661 | D 12. | alt -.10 | PC.

	Sc.1	Sc.2		curve	magn.	So.1	Sc.2	
1	4.3 44			2.91	7.31	7.	7. 7.	
2						7.	8.6 8.4	8.50 1L
3	3.9 40			3.06	7.06		9.8 9.9	9850 1
4	5.3 54			2.61	8.01		7. 7.	
5	3.6 37			~~3.70~~ × 3.20	~~6.40~~ 6.90		9.6 9.8	9.70 1
6	4.4 45		B.	2.88	7.38		7. 7.	
7	4.9 50		B.	2.73	7.73			
8	5.9 60 5.7 58	5.6	5.80 20 2	2.51	8.31			
9	6.2 63	6.1	5.9 6.10 20 2	2.41	8.51			
10	5.7 58	5.7	5.75 01	2.52	8.27			
11	6.4 65	6.5	6.50 00	2.29	8.19			
12	6.5 66	6.5	6.55 01	2.28	8.83			
13	5.6 57 5.6 59	5.1	5.2 5.42 33 32	2.61	8.03			
14	7.5 76	7.6	7.60 00	2.01	9.61			
15		7.2		2.11	9.31			
16		7.1		2.13	9.23			
17		8.7		1.79	10.49			
18		8.1		1.90	10.00			
19		8.7		1.78	10.48			
20		8.6		1.80	10.40			
21		8.7	8.5 86 01	1.80	10.40			
22		9.8	9.7 9.7 50 1	1.75	11.50			
23		9.3	9.3 9.30 00	1.70	11.00			
24		7.	7.					
25		9.9	9.7 9.80 11	1.75	11.55			
26		9.7	9.5 9.60 11	1.72	11.32			
27		7.						
27a		7.						
28		7.						

Does not comp. well.

I'm hazy.

× Curve missing. Drawn from curve ridge, assume 3.20 correct. July 9, 17.

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1915phae.proj.1045M

Tuesday, December 14, 1915

Series 107 (2nd half) YELLOW

Scale W. mc 3662 Pole. P.C.

	or off plate	Sc. 1	Sc. 2		Sc. 1	Sc. 2
Toonear Σ.	1	.				. .
" " "	2	.				. .
" " "	3	.				8.2000 8.2 8.2
" " "	4	.				. .
	5	2.7 2.8				8 8.8501 8.8 8.9
	6	3.7 3.8				9.9 9.85 9.8 10
	7					
	8	5.3 5.4	B. 5.4 ≈			7 7
	9	6.7 6.8	6.7	6.7501		
	10	6.4 6.5	6.3	6.4011		
	11	7.1 7.2	7.3	7.2501		
	12	7.3 7.4	7.3	7.3501		
	13	8.0 8.1	8.3	8.2011		
	14		8.5 8.3	8.4011		
	15		9.0 8.9	8.9501		
	16		9.4 9.4	9.4000		
	17		9.4 9.6	9.5011		
	18		9.9 9.9	9.9000		
	19		7 7			
	20					

12.41

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Tuesday, December 28, 1915

Plot sheet no. 243

11:25 mc Series 77 YELLOW

Scale W mc 3234 Pole.

	Sc 1	Sc 2	P.79 mc3239	Mean	Diff.	P.C. Sc 2	P.79 mc3239	Mean
5	3.0 3.1	B	4.0	3.55 5 4	+2.88	8.95 10 8.9 9.0	9.05	9.00 05 05
6	3.9 4.0	B	5.2	4.60 6 6	+2.38	9.95 10 9.9 10.0	10.00	9.98 03 02
8	5.8 5.9	5.5 5.6	6.30	5.98 31 32	+2.05	7.		
9	.	.	7.05	7.05 a	+1.69	P.C. Diff.		
10	7.4 7.5	7.50 00 7.5	7.40	7.45 05 05	+1.43	5 * -2.57		
11	7.	8.2 8.2 8.3	7.85	8.05 20 20	+1.31	6 -3.00		
12		8.4000 8.4 8.4	8.20	8.30 10 10	+1.28			
13		89510 8.9 9.0	8.70	8.88 3 12	1.26			
14		9.0000 9.0 9.0	8.85	8.92 08 07	1.32			
15		95510 9.5 9.6	9.05	9.30 25 25	1.34			
16		9.95?10 9.9 10.0?	9.75	9.85? 10 10	1.09			
17		10.0 ?: 10.0?	.	10.00? a .	1.04?			
18		7.		.				
19		7.		.				
20								
21								
22								
23								
24								

Focus poor

Continue reduction. H.S.L. has note.

Jan. 1916.

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Tuesday, December 28, 1915

mc Series 77 YELLOW cofused

Scale W mc 3235 D6 Alt -.11 P.C.

	Sc.1	Sc.2		curve	magn.	Sc.2	curve.	magn.
1	2.2 ? 7.3 ?			.	.	8.9 8.8	8.85 10	-2.70 6.15
2	.			.	.	Edge - too faint.		
3	4.2 4.3	B		2.50	6.80	9.0 9.1	9.05 01	-2.71 6.34
4	3.3 3.4	B.		2.88	6.28	8.7 8.7	8.70 00	-2.69 6.01
5	5.8 5.9 ~~5.80~~	5.7	5.80 1 ⊥		1.91	7.71		
6	6.2 6.3	6.1	6.20 1 ⊥		1.83	8.03		
7	6.0 6.1 5.90 2 ⊥	5.8 5.8	5.90 2 ⊥		1.93	7.83		
8	5.6 5.7	5.4	5.55 ½ ±		2.04	7.59		
9	6.6 6.7	6.5	6.60 1 ⊥		1.71	8.31		
10	6.8 6.9	6.9	6.90 00		1.64	8.54		
11	6.9 7.0	7.1	7.05 01		1.60	8.65		
12	6.7 6.8	6.8	6.80 00		1.66	8.46		
13	7.5 ~~7.6~~	7.7	7.6501		1.44	9.09		
14	6.7 6.8	6.7	6.75 0 ⊥		1.67	8.42		
15	6.3 6.4	6.5	6.45 0 1		1.76	8.21		
16	7.7 7.8	7.9	7.85 01		1.40	9.25		
17	7.6 7.7	7.7	7.70 00		1.41	9.11		
18	7.	8.7			1.25	9.95		
19		8.7			1.25	9.95		
20		8.7			1.25	9.95		
21		9.2 9.0	9.10 1 ⊥		1.20	10.30		
22		9.4 9.7	9.55 2 1		1.16	10.71		
23		9.7 9.7	9.7000		1.15	10.85		
24		9.3 9.3	9.3000		1.18	10.48		
25		10.0 ? 9.9	9.95 ? 0 1		1.14	11.04 ?		
26		~~9.9~~ 7.	.		.			
27		9.9 9.8	9.8510		1.14	10.99		

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Tuesday, December 28, 1915

on sheets

mc Series 77 YELLOW

Scale W mc 3236 R Curs. Maj. alt. +.09 P C.

		Sc.1	Sc.2		Curve Magn.			Sc.2 curve
	a	3.3 3.4	B.	3.4	+288	6.28	8.40 00 8.4	8.4 -2.65 5.75
	b	B.	B.	.	.		8.750 1 8.8	8.7 -2.69 6.06
Off plate	c	.	.	.	.	.	.	.
Too far.	d	.	B.	.	.		8.850 1 8.8	8.9 -2.70 6.15
Off plate	e	.	~~B.~~	.	.		.	.
Too far from centre	f	.	.	.	.		.	7. 7.
	g	5.6 5.7 5.6 5.7	5.1	5.1 5.40	3 3 3 3	2.10	7.50	
	h	6.6 6.7	6.2	6.6 6.50	2 3 1	1.74	8.24	
Focus poor.	k	.	.			.		
	l	7.5 7.6	7.6	7.60	0 0	1.45	9.05	
	l'	6.7 6.8	6.7	6.75	0 1	1.67	8.42	
	m	8.0 8.1	8.0	8.05	1 0	1.36	9.41	
	m'	7.	8.8	8.8	~	1.23	10.03	
	n		8.2	8.2	~	1.32	9.52	
	o		8.3	8.3	8.30	0 0	1.31	9.61
	o'		9.4	9.3	9.35	0 1	1.19	10.54
*Wrong im.	o²		9.3	*9.7 9.3	9.30	0 0	1.19	10.49
	p		8.7	8.7	8.70	0 0	1.25	9.95
	q		9.7	9.7	9.70	0 0	1.16	10.86
	r		10.0	7.	10.0	~	1.14	11.14
	r'		7.					
	r²							
	r³							
	s							
	t							
	u							
	w w'							
	y		7.					

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MC Series 77 YELLOW

Scale W mc 32, 37 S Tr Draco alt. +.10 P.C.

	Sc. 1	Sc. 2			curve magn.	Sc. 2
*a	7.9 7.0	7.0		1.00 00	+1.61 8.61	7.
b	7.41.5	7.6		7.55 1 0	1.47 9.02	7.
c	7.8 7.9	7.9		7.90 00	1.39 9.29	
e	7.	8.4		8.4 · 2	1.30 9.70	
d	8.08.1	8.1		8.10 00	1.35 9.45	
f	7.	8.8	8.7	8.7 5 0 1	1.24 9.99	
g		8.9	8.9	8.90 00	1.22 10.12	
h		9.7	9.6	9.65 1 0	1.16 10.81	
k		10.0?	7	10.0? 2 ·	1.13 11.13?	
l		9.6	9.3	9.45 2 1	1.17 10.62	
m		7.				
n						
o						
p						
q						
Var.		8.2	8.1	8.15 0 1	1.33 9.48	

Wrong unit.

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Tuesday, December 28, 1915

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Mc series 77 YELLOW

Scale W Mc 3238 R Comae Berem. alt. +.10 P.C.

	Sc.1	Sc.2	Mean.	curve magn.	Sc.2	mean 7.05
a	4.4 4.5	B.	4.5	2.42 6.92	9.8 9.8	9.80 00 - 2.75
g	5.6 5.7	5.3	5.5 40 22	2.06 7.56	7 7.	
c	5.6 5.7	5.2	5.4 55 32	2.08 7.53	7.	
e	.	6.6	6.6 . a	1.71 8.31		
d	6.0 6.1	6.1	6.10 00	1.87 7.97		
f	~~6.9~~ 6.8 7.0	6.9	6.95 01	1.62 8.57		
g	.	.	.	. .		
k	7.8 7.9	7.8	7.85 10	1.40 9.25		
h	7.5-7.6	7.5	7.55 01	1.41 9.02		
l	7.9 8.0	8.3	8.15 21	1.34 9.49		
m	7.	8.6 8.5	8.55 01	1.28 9.83		
n		8.7 8.8	8.75 10	1.24 9.99		
o		9.3 9.4	9.35 10	1.18 10.53		
p		9.7 9.7	9.70 00	1.15 10.85		
q		10.0? 10.0?	10.00? 00	1.14 11.14?		
r		7.				
s						
t						
u						

Var.

Wrong im, focus foor: E.

Focus foor.

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Tuesday. December 28, 1915

YELLOW

Mrs. E. Series 77

Scale W mc 3239 Pole

	Sc.1		Sc.2	P.C. Sc.2
5	4.0? 3.9?		B.	9.0 9.1 9.05 01
6	5,1 5.2		B.	10.0 10.0 10.00 00
8	6.4 6.3	6.30 11	6.2	7.
9	7.2 7.1	6.05 21	6.9	
10	7.5 7.4	7.40 11	7.3	
11	7.9 7.8	7.85 10	7.8	
12	8.1 8.0	8.20 11	8.3	
13	7.		8.70 00 8.7 8.7	
14			8.85 10 8.9 8.8	
15			9.05 10 9.1 9.0	
16			9.15 01 9.8 9.7	
17			7. 7	
18				
19				
20				
21				
22				

1.23

see p. 174.

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1915phae.proj.1045M

Thurs Wednesday, December 29, 1915

11.15 — W. C. Series 77 — YELLOW — Plot no. 243

Scale W — mc 3239 — Pole — P.C.

	Sc.1		Sc.2	mc 3245	meaw.	Diff.	P83	Sc.2b	meaw	Diff
5	4.1 4.0			4.2	4.15 10	+2.28	8.95	8.85 10 8.9 8.8	8.90 (1) 05 (2) 05	-247
6	4.9 4.8		B.	5.2	5.05 1 20	1.93	10.00	9.90 00 9.9 9.9	9.95 05 05	-297
8	6.3 6.2	6.25 10	6.2	6.15	6.20 05 05	1.83		7.		
9	7.0 6.9	6.95 01	6.9	6.95	6.95 00 00	1.79				
10	7.4 7.3	7.35 01	7.3	7.35	7.35 00 00	1.53				
11	7.8 7.7	7.80 00	7.8	7.85	7.82 02 03	1.54				
12	8.1 8.0	8.15 10	8.2	7.90	8.02 13 12	1.56				
13	7.		8.10 00 8.7 8.7	8.3	8.50 20 20	1.58				
14			8.15 01 8.8 8.7	8.55	8.65 10 10	1.59				
15			9.05 10 9.1 9.0	8.90	8.98 08 08	1.66				
16			9.10 00 9.1 9.1	9.20	9.45 25 25	1.49				
17			9.85 10 9.9 9.8	9.40	9.62 23 22	1.42				
18			7. 7.	9.90	9.90 · ≈	1.66				
19			7.							
20			7.							
21										
22										
23										
24										
25										

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Wednesday, December 29, 1915

Sheets. Cpied Bk 20: 158, 160

YELLOW

Scale W. Inc 3840 Trans. Maj. alt. +11 P.C.

		Sc.1	Sc.2		curve	Magn.	Sc.2				
66	a	3.3 3.4	B.	3.4			8.7	8.7	8.70 00	-2.64	6.06
47	b	4.6 4.7	B.	4/8.7	2.10	6.80	9.9	9.8	9.85 10	-2.73	7.12
97	c	4.7 4.8	B	4.8	2.08	6.88	10.0	9.9	9.95 01	-2.73	7.22
Poor shape	d	4.0 4.1	B.	4.1	2.26	6.36	7.	7.			
Elong.	e	5.9 6.0	6.2	6.10 11	1.80	7.90	7.				
	f	6.7 6.8	6.6	6.70 11	1.70	8.40					
*wrong unit.	g	*8.2 7.3	7.2	7.25 10	1.64	8.89					
	h	7.4 7.5	7.4	7.45 10	1.61	9.06					
Too faint E.	g_2	.	.	.	.						
	g	7.2 7.3	7.3	7.30 00	1.63	8.93					
*Wrong unit.	h	*7.4 7.5	7.8	7.65 12	1.60	9.25					
	k	7	8.3 9.3	8.3 8.30 00	1.57	9.87					
*Wrong star near first.	l		7.	9.2 9.25 10	1.57	10.82					
	m		9.0	9.1 9.05 01	1.54	10.59					
	n		7.	7.							
	o		7								
	p										
	q										
	r										
	s										
	t										
	u										
	w										
	x										
	y										
Var.			7.								

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Wednesday December 29, 1915

copied Phe 23:184

mc Series 77 **YELLOW**

Scale W. mc 3242 D7 Ult -.10 PC.

		Sc.1	Sc.2				Sc.2	
Too far from center	1	.	.		curve magn.		9.10?:1⊥ 9.21 9.0?	-2.68 6.42?
" " " "	2	.	.				9.55 0 1 9.6 9.5	-2.70 6.85
" " " "	3	.					9.55?:0 1 9.6 9.5?	-2.69* 6.86?
	4	5.1 5.2		5.2 a.	+2.00	7.20	10.0?: a 7. 10.0?	-2.74 7.26?
	5	4.7 4.8	B,	4.8 a.	+2.08	6.88	9.47 1 a 2 9.4 9.3 9.7	-2.70 6.77
" " " "	6	.	.		.	.	9.2 a	-2.69 6.51
" " " "	7	.			.	.	7.	.
	8	3.9? 4.0?	B,	4.0? a.	2.29	6.29?	9.7 a	-2.72 6.98
" " " "	9	.	.			.	Too fagy	
Too faint,	10	6.1 6.2	5.7 5.9	5.93 2 3 0	1.84	7.77	7.	
Too far from center	11	.	.			.		
	12	7.1 7.2	6.9	7.05 2 1	1.66	8.71		
	13	7.6 7.7	7.6	7.65 1 0	1.60	9.25		
	14	6.6 6.7	6.5	6.60 1 1	1.72	8.32		
	15	7.7 7.8	7.5	7.65 2 1	1.60	9.25		
	16	7.1 7.2	7.2	7.20 0 0	1.64	8.84		
	17	7.7 7.8	7.8	7.80 0 0	1.60	9.40		
	18		8.4	8.4 a	1.57	9.97		
	19		8.6	8.6 a	1.57	10.17		
	20		8.3	8.3 a	1.57	9.87		
Too hazy.	21		9.3?	9.3? a	1.56	10.86?		
	22		8.8 8.7	8.75 0 1	1.56	10.31		
	23		8.8 8.9	8.85 0 1	1.56	10.41		
	24		9.7 9.8	9.85 1 0	1.60 5	11.45		
	25		9.7 9.6	9.65 1 0	1.60 59	11.24		
	26		9.8 9.9	9.85 0 1	1.60	11.45		
	27		9.8 9.9	9.85 0 1	1.60	11.45		
	28		7. 7.					

All images on this plate have been transformed to the scale

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Wednesday December 29, 1915

YMC Series 77 YELLOW

Scale W YMC 3245 Pole P.C.

	Sc.1	Sc.2	Mean	Sc.2
5	4.1 4.2	B.	4.2 ≏	9.0 8.9 8.95 0 1
6	5.1 5.2	B	5.2 ≏	10.0 10.0 10.00 00
8	6.1 6.2	6.1	6.15 0 1	7. 7.
9	6.9 7.0	6.9	6.95 0 1	
10	7.3 7.4	7.3	7.35 0 1	
11	7.8 7.9	7.8	7.85 1 0	
12	7.8 7.9	7.9	7.90 00	
13	7.	8.3	8.3 ≏	
14	7	8.5 8.6	8.55 1 0	
15		8.9 ~~8.6~~ *8.9	8.90 00	
16		9.1 9.3	9.20 1 1	
17		9.4 9.4	9.40 00	
18		10.0 9.8	9.90 1 1	
19		7. 7.		
20				
21				
22				
23				

* the 14 mean.

12.40

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1915phae.proj.1045M

Friday, December 31, 1915

11.55 mc Series 230 YELLOW Plot no. 243

Scale W mc 5208 Pole Pc.

	Sc.1	Sc.2	Mean.	mc 5214 P.89	Mean	Diff.	Sc.1	Sc.2	P.89	Mean.
5	B		.	.	.		7.980	8.00 00		
6	E		.	.	.			8.0	1.90	1.95 05 05
8	4.7	4.8	B.	4.8 a.	4.5?	4.65?21	+338?	8.30 00		
9	6.0	6.1	5.8	6.05 12	5.85	5.95 10 10	+279	8.3 8.3	8.45	8.38 08 07
10	6.3	6.4	6.2	6.30 11	6.35	6.32 03 03	2.56	9.05 10		
11	6.7	6.8	6.9	6.85 01	6.95	6.90 05 05	2.46	9.1 9.0	9.15	9.10 05 05
12	7.0	7.1	7.1	7.10 00	7.20	7.15 05 05	2.43	9.95 01		
13	7.8	7.9	7.9	7.90 00	7.90	7.90 00 00	2.18	10.0 9.9	9.95	9.95 00 00
14	7.9	8.0	8.0	8.00 00	8.10	8.05 05 05	2.19	7 7	10.00?	10.00?. a
15	7		8.40 11	8.5 8.3	8.30	8.35 05 05	2.29			
16	7		8.70 00	8.7 8.7	8.75	8.72 02 03	2.22			
17			8.75 01	8.8 8.7	8.75	8.75 00 00	2.29			
18			9.20 00	9.2 9.2	9.10	9.15 05 05	2.41			
19			9.85 01	9.8 9.9	9.90	9.90 05 05	2.04			
20			10.0?a.	10.0? 7.	9.958	9.98? 02 03	2.21			
21										
22										
23										
24										
25										

	Diff.
5	-1.52
6	-1.40
8	-1.07
9	-1.21
10	-1.12?

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Friday December 31, 1915

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mc Series 230 YELLOW

Scale W mc 5209 D 4 Wt. -.19 Pe

	Sc.1	Sc.2		curve	magn.	Sc.1	Sc.2		curve	magn.
*Wrong image near (first)	1 B.		meau	.	.	7. 7.7	* 8.4 8.3	8.38.350 1	-1.34	1.01
	2 3.8 7 3.9?		3.9? a	.	.	7.	8.8 8.7	8.7501	-1.30	1.45
	3 4.2 4.3		4.3 a	.	.	7.	8.9 8.9	8.90 00	-1.29	1.61
	4 2.7? 2.8?		2.8? a	.	.		8.6 8.5	8.55 0 1	-1.33	1.22
	5 5.2 5.3		5.8 a	3.00	8.30		9.3 9.2	9.25 10	-1.25	8.00
	6 5.4 5.5	B.	5.5 a	2.91	8.41		9.7		-1.19	8.51
	7 3.9 4.0	B.	4.0 a	.	.		8.9		1.29	7.61
	8 6.3 6.4	6.6	6.50 1 1	2.57	9.01		7.		.	.
	9 3.1 3.2	B.	3.2 a	.	.		8.3		-1.35	6.95
	10 6.4 6.5	6.1	6.30 2 2	2.62	8.92		7		.	
	11 6.7 6.8	6.6	6.70 1 1 0 6.7	2.52	9.22		7.		.	
	12 6.3 6.4	6.2	6.30 1 1	2.62	8.92					
5.5	13 5.6 5.7 5.5 5.6	5.2	5.50 2 1 3	2.91	8.41					
	14 7.7 7.8	7.6	7.70 1 1	2.33	10.03					
	15 7.4 7.5 7.3 7.4	7.1	7.33 2 1 2	2.40	9.73					
	16 6.2 6.3	6.2	6.35 10	2.64	8.89					
	17 7.9 8.0	8.2	8.10 1 1	2.30	10.40					
	18 7.8 7.9	7.9	7.90 00	2.31	10.21					
	19 7.7 7.8	7.9	7.85 01	2.31	10.16					
	20 7.9 8.0	8.2	8.10 1 1	2.30	10.40					
	21	8.7	8.7 a	2.25	10.95					
	22	8.8	8.8 a	2.25	11.05					
	23	9.7	9.55 2 2 9.4 8.50 1 1	2.21	11.76					
	24	8.6	8.4 9.75 0 1	2.26	10.76					
	25	9.8	9.7 9.80 00	2.20	11.95					
	26	9.8	9.8 10.0? a	2.21	12.01					
	27	7.	10.0?	2.20	12.20?					
	28									

All images elongated

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Friday December 31, 1915

The Series 320 YELLOW

Scale W MC 5210 Saturn

	Sc.1	Sc.2		curv	magw.	Sc.1	Sc.2		
a	B.	B.				8.0	8.1 8.15 ±0	8.2	-1.36 6.79
b	5.8 5.9	5.8	5.85 10	+2.77	8.62	7.		7.	
c	6.7 6.8	6.8	6.80 °°	2.50	9.30			7.	
d	6.6 6.7	6.5	6.60 11	2.54	9.14				
e	6.8 6.9	6.8	6.85 10	2.48	9.33				
f	7.4 7.5	7.4	7.45 10	2.37	9.82				
g	7.	8.7	8.7 8.70 °°	2.25	10.95				
h									
i									
k		9.1	9.4 9.25 12	2.22	11.47				
l		8.9	8.9 8.90 °°	2.24	11.14				
m		7.	7.						
n		9.7	9.7 9.70 °°	2.21	11.91				
n'		9.9	9.9 9.90 °°	2.21	12.11				
o		7.	7.						
p		7.							
p'		7.							
q									
r									
s		7.							
t									
u									
u'									
w									
x									
y									
z									

In Logging.

Images elongated.

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Friday, December 31, 1915

89–
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YMC Series 320 **YELLOW**

Scale W ymc 5213 P Auriga alt. +.01 P.E.

	Sc.1.	Sc.2	curve Magn		Sc.1	Sc.2			
a	3 M 4 3.5				7.2 7.3	7 8.4	7.35 1o	.	
f	B.		.		7.7 7.8	7.8	7.80 oo	-1.39	6.41
c	B.		.		7.	8.2	8.35 1o 8.3	-1.36	6.89
c'	3.8 3.9?	B.	.			8.9	8.90 oo 8.9	-1.30	7.60
c^2	4.8 4.9?					9.5	9.65 12 9.8	-1.20	8.45
d	3.6 3.1	B.	.			8.8	8.8 9?	-1.30	7.50
e	4.1 4.1	B.	.			9.2	9.2 ?	-1.25	7.95
f	5.7 5.60 11	5.5		2.87	8.47	9.9	9.7 ?	-1.17	8.13
g	6.5 6.50 oo	6.5		2.57	9.07				
g_1	5.6 5.45 21	5.3		2.93	8.38				
g_2	7.3 7.35 1o	7.4		2.40	9.75				
g_3	7.5 7.60 11	7.7		2.35	9.95				
K	6.8 6.85 01	6.9		2.49	9.34				
h	6.8 6.85 01	6.9		2.49	9.34				
l	7.9 8.00 11	8.1		2.30	10.30				
m	7.	8.3		2.29	10.59				
n		8.7 8.8 8.75 1o		2.24	10.99				
o		9.1 9.0 9.05 1o		2.23	11.28				
o'		9.4 9.1 9.25 21		2.22	11.47				
o^2		9.9 9.8 9.85 1o		2.20	12.05				
p		9.8 9.7 9.75 01		2.20	11.95				
q		7.							
r									
s									
t									
u									
Var.		6.0		2.70	8.70				

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Friday December 31, 1915

Ymc Series 320 YELLOW

Scale W Ymc 5217 Plumigae Ref. Seq alt. +.01 P.C.

	Sc.1	Sc.2		curve	magn.	Sc.1	Sc.2		
1	3.7 3.8	B.		.	.	7.	8.80 00 8.8 8.8	-1.30	7.46
2	5.5 5.6 5.6 5.7	5.2	5.50 1 2 3	2.91	8.41		9.90 00 9.9 9.9	-1.17	8.73
3	4.7 4.8	B.	48 ?	3.23	8.03		9.25 01 9.2 9.3	-1.24	8.01
4	7.4 7.5	7.6	7.55 1 0 ~~7.5 ?~~	2.36	9.91		7. 7.		
5	7.	8.6	8.55 0 1 8.5	2.26	10.81				
6		8.8	8.8 8.8 0 0	2.24	11.04				
7		9.7	9.7 9.7 0 0 10.00 ? 00	2.20	11.90		9.7		
8		10.0?	10.0?	2.20	12.20?				
9		7.		.					
10		7.		.					
11		10.0?	10.0? ? ?	2.20	12.20?		~~10.0~~		
12		7.							
13									
14									
15									
16									

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Friday, December 31, 1915

Ym C Series 320. YELLOW

Scale W Ym C 5214 Pole. P. C.

	Sc.1	Sc.2		Sc.1	Sc.2	
5	B,			7.8 7.9	7.9	1.90 00
6	B.			7.	8.5 8.4	8.45 10
8	4.4? 4.5?	B.			9.1 9.2	9.15 1 0
9	5.9 6.0	5.7	5.85 2 1		10.0 9.9	9.95 0 1
10	6.3 6.4	6.3	6.35 0 1		10.0 10.0 ?	10.00? 0 0
11	6.8 6.9	7.0	6.95 1 0			
12	7.0 7.1	7.3	7.20 1 1			
13	7.8 7.9	7.9	7.9 0 0 0			
14	8.0 8.1	8.1	8.10 0 0			
15	7.	8.3	8.3 8.30 0 0			
16		8.8	8.7 8.75 0 1			
17		8.7	8.8 8.75 1 0			
18		9.0	9.2 9.10 1 1			
19		9.9	9.9 9.90 0 0			
20		10.0?	9.9 9.95? 0 1			
21						
22						
23						

(25 m out)

2.31

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Tuesday, January 4, 1916

Sheet no. 276.

11.50 . mc Series 75 **YELLOW**

Scale W mc 3203 Pole Pe.

*mc3208 ~~mc3208~~ mc3214.

	Sc.1	Sc.2	meaw	P.94	P.101	meaw.	Sc.1				Sc.2	P.94	P.101
5	3.7 3.8			2.1?	3.8?	3.80?	00	+2.63			9.10 00 9.1	9.1	9.4 8.15
*6	4.9 5.0 7.1	B.		4.2	5.15	5.08 05 07		1.90			10.00? 00 10.0?	10.0?	9.90
8	6.2 6.3	6.07 2 2 1	5.9 6.0	5.0	6.00	6.04 03 04		1.99			7 meaw.		
9	7.1 7.2	7.15 0 1	7.1	6.65	6.85	7.00 15 15		1.74			5 8.92	8 11	-*249
10	7.2 7.3	7.30 00	7.3	7.20	7.35	7.32 02 03		1.56			6 9.95?	05 05	-297
11	7.8 7.9	8.00 1 1	8.1	8.20	7.95	7.98 02 03		1.38					
12	8.0 8.1	8.20 1 1	8.3	8.65	8.20	8.20 00 00		1.38					
13	7.		8.7 5 0 8.7 8.8	9.30	8.65	8.70 05 05		1.38					
14	7.		8.9 8.80 1 1 8.7	9.20	8.70	8.75 05 05		1.49					
15		9.3	9.5 9.30 0 2 3 9.1	10.00	9.05	9.18 12 13		1.46					
16			9.8 9.8 9.80 00	10.0?	9.40	9.60 20 20		1.34					
17			10.0 10.0 10.00 00		9.75	9.88 12 13		1.16					
18			7.										
19													
20													
21													
22													
23													
24													
25													
26													

*Wrong star first meas.

* See note concerning reduction of Series on P. 95.

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Tuesday, January 4, 1916

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Plot sheet no. 276.

Mc Series 75 **YELLOW**

Scale W Mc 3205 7 Leonis Minoris Alt. +, 12 P.C.

	Sc.1	Sc.2			Sc.1	Sc.2
1	5.7 5.8	5.6	5.70 11	1.93	7.63	7.
2	5.1 5.2	13	5.2 ±	2.08	7.28	
3	7.2 7.3	7.3	1.30 00	1.57	8.87	
α	7.8 7.9	7.9	1.90 00	1.47	9.37	
β	7.7 7.8	7.8	1.80 00	1.50	9.30	
γ	7.	8.7	8.7 ±	1.39	10.09	
δ		9.1 9.2	9.15 10	1.36	10.51	
ε		9.5 9.4	9.45 10	1.36	10.81	
a	7.	9.3 9.6	9.45 12	1.35	10.80	
b		9.7 9.8	9.75 10	1.34	11.09	
c		10.0 10.0?	10.00? 00	1.34	11.34?	
d		7. 7.				
d'		9.5 9.4	9.45 10	1.35	10.80	
d^2		7.				
e						
f						
g						
h						
k						
l						
m						
Var.		9.3	9.3 ±	1.36		

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Tuesday, January 4, 1916

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mc Series 75 **YELLOW**

Scale W mc 3206 D6 alt. −.10 P C.

		Sc.1	Sc.2				Sc.1	Sc.2		
Too far	1	.					7	8.30 1 1 8.4 8.2 .		
" "	2	.						9.10 00		
							curve	magn.		
	3	4.5? 4.6?	B.	4.6?	a.		2.27 +.77	6.87?	9.1 9.1	−2.66 6.44
									8.95 0 1	
Elong.	4	.	B.	.					9.0 8.9	−2.57 6.38
									8.7 0 0	
	5	6.1 5.9 6.0 5.8	5.6	5.9	5.88	20 3 0	1.88	7.76	8.7 8.7	−2.51 6.19
	6	6.3 6.2	6.1		6.20	1 1	1.80	8.00	7. 7.	
	7	6.0 5.8 5.9 5.7	5.7	5.7	5.83	20 1 1	1.90	7.73	7.	
	8	5.7 5.8	5.7		5.75	0 1	1.92	7.67		
	9	6.3 6.4	6.3		6.35	0 1	1.77	8.12		
	10	6.7 6.8	6.6		6.70	1 1	1.70	8.40		
	11	7.1 7.0 6.9	6.9	7.1	7.05	20 1 1	1.61	8.66		
	12	6.6 6.7	6.7		6.70	00	1.70	8.40		
	13	7.3 7.4	7.4		7.40	00	1.56	8.96		
	14	6.9 6.9 6.8 6.8	6.6	6.9	6.82	11 3 1	1.66	8.48		
	15	6.4 6.5	6.5		6.50	00	1.73	8.23		
	16	7.7 7.8	7.7		7.75	0 1	1.60	9.25		
	17	7.3 7.4	7.4		7.40	00	1.56	8.96		
Does not compare.	18	7.	8.1				1.44	9.54		
	19		8.6				1.40	10.00		
Does not compare.	20		8.3				1.42	9.72		
	21		8.8				1.39	10.19		
	22		8.8				1.39	10.19		
Does not compare	23		9.4?	9.0?	9.20?	2 3	1.37	10.57?		
	24		8.7	8.9	8.80	1 1	1.39	10.19		
	25		9.6	9.6	9.60	00	1.35	10.95	All images on this	
	26		9.9	9.8?	9.85?	1 0	1.34	11.19?	plate are elongated, and	
	27		9.0	9.2	9.10	1 1	1.37	10.47	hazy; do not compare	
	28		10.0?	10.0?	10.00?	00	1.34	11.34?	well with scale.	

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Tuesday. January 4. 1916

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Mc Series 75 YELLOW

Scale W Mc 3207 S Ursæ Draconis Alt. +.10 P.C.

	Sc.1	Sc.2				Sc.1	Sc.2
a	6.9 7.0	7.0	7.00	00	1.62 8.62		7
b	7.6 7.7	7.6	7.65	10	1.51 9.16		7
c	8.0 8.1	8.0	8.05	10	1.45 9.50		
e	7.	8.5	8.5	• ≈	1.40 9.90		
d		8.3	8.3	8.30	00	1.42 9.72	
f		8.9	8.9	8.90	00	1.38 10.28	
g		9.3	9.3	9.30	00	1.36 10.66	
h		10.0	9.9	9.95	0 ±	1.34 11.29	
k		~~8.4~~	7	.		.	
l		9.6	9.6	9.60	00	1.34 10.94	
m		7.	7.				
n		7.					
o							
p							
q							

* Wrong image measured

Var. 8.2 8.2 · ≈ 1.43 9.63

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1915phae.proj.1045M

Tuesday. January 4, 1916

Yrs Series 75 YELLOW

Scale W * sep 9.5. mc 3208 Pole P.C.

	Sc.1	Sc.2			Sc.1	Sc.2
5	2.0 2.1?				7.	9.4
6	4.1 4.2					7.
8	4.9 5.0	B.				7.
9	6.6 6.9	6.6	6.65 10			
10	7.2 7.3	7.1	7.20 11			
11	7.	8.2	8.2	8.20 00		
12	7.	8.7	8.6	8.65 10		
13		9.3	9.3	9.30 00		
14		9.3	9.1	9.20 11		
15		10.0	10.0	10.00 00		
16		10.0?	7.	10.0? a.		
17		7.				
18						
19						
20						
21						
22						
23						
24						

Does not compare.

33m out
1.5a

Images on plates after 3205 do not compare with the scale as well as those on the first two plates measured, of the series. P.C's especially, grow poorer with each succeeding plate.

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Friday. January. 7. 1916

11.00 Mc. Series 75 YELLOW

Scale W Mc 3208 Pole P.C.

		Sc.1	Sc.2	Sc.1	Sc.2
* Diff. measures p. 94-95					
1	5	2.127		7.	9.7 9.3
1	6	4.2 4.3			7
0	8	4.9 5.0	B.		7.
10	9	6.4 6.5	6.5510 6.6		
05	10	7.1 7.2	7.1501 7.1		
05	11	8.0 8.1	8.1510 8.2		
20	12	7.	8.4501 8.7 8.5		
05	13		9.3501 9.4 9.3		
35	14		9.5510 9.5—9.6		
00	15		10.00? 00 10.0 ?10.0 ?		
	16		7 7.		
40 - 60	17				
-20 / 10 = -.02	18				
	19				
	20				
	21				
	22				
	23				
	24				

* Middle pole plate discordant. Note in Journal "Sum (Omitting) Mc 3208." Differences of measures of Mc 3208, on different days, taken and average diff. = -.02. ∴ diff. slight, so Series treated as if measured at same sitting), and 3203$_F$ and 3214 used for Reduction.

Per order H.S.L. Mar. 2, 1916.

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Friday, January 7, 1916

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Mc Series 75 — YELLOW

Scale W — Mc 3209 — Z Draconis — ult. +.09 — P C

	Sc.1	Sc.2					Sc.1	Sc.2
a	6.8 6.9	6.9	6.90	.00	1.65	8.55	7	7
b	7.6 7.7	7.7	7.70	.00	1.50	9.20		
c	7	8.7	8.7	.2	1.40	10.10		
d		9.3 9.4	9.35	.10	1.37	10.72		
e		9.8 9.9	9.85	.01	1.34	11.19		
f		9.8 9.8	9.80	.00	1.34	11.14		
f'		9.9 10.0	9.95	.10	1.34	11.29		
g		7 7						
h		9.1 8.8	9.05	.12	1.38	10.43		
k		7 7						
l'								
m'								
m								
o								
p								
Var.		8.8	8.8	.2	1.39	10.19		

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Friday, January 7, 1916

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In C Series 45 **YELLOW**

Scale W m C 3510 P Com. Bec. alt. +.10 P.C.

	Sc.1	Sc.2			curve	Magn.	Sc.1	Sc.2		
								9.00.00		
a	3.7 3.8	B.			+2.55	6.35	7	9.09.0	-2.61	6.39
f	5.2 5.3				2.04	7.34		9.60.00	-2.80	6.80
c	5.1 5.2	B.			2.08	7.28		9.99?.00	-2.89	7.01?
e	.	.			.	.		7.		
d	5.8 5.9	5.8	5.85	10	1.90	7.75	Scotched			
f	6.6 6.7	6.6	6.65	10	1.70	8.35		7.7.		
g	.	.	.		.					
k	7.2 7.3	7.3	7.30	00	1.58	8.88				
h	7.1 7.2	7.2	7.20	00	1.59	8.79				
l	7.7 7.8	7.7	7.75	01	1.50	9.25				
m	8.0 8.1	8.0	8.05	10	1.45	9.50				
n	7.	8.4	8.3	8.35 01	1.42	9.77				
o		8.7	8.7	8.70 00	1.40	10.10				
p k		8.9	8.9	8.90 00	1.38	10.28				
q		9.2	9.3	9.25 01	1.38	10.63				
r		9.7	9.8	9.75 10	1.34	11.09				
s		10.0?	9.9?	9.95? 01	1.34	11.29?				
t		7.								
u										

Data not comp will

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mc Series 75 YELLOW

Scale W mc 3211 B5 alt. +13 P C

	Sc.1	Sc.2				Sc.1	Sc.2		
Too far from center 1		B.				7	9.15 ⊥ o 9.1	9.2 -2.67	6.48
2	5.6 5.7	5.5	5.60	11	1.96	7.56	7.		
3	6.2 6.3	6.2	6.25	10	1.79	8.04	7		
4	6.7 6.8	6.8	6.80	oo	1.67	8.47			
5	6.8 6.9	6.8	6.85	10	1.66	8.51			
6	. .	.	.						
7	7.3 7.4	7.6	7.50	⊥1	1.54	9.04			
8	6.6 6.7	6.7	6.70	oo	1.70	8.40			
9	7.4 7.5	7.2	7.35	12	1.57	8.92			
10	.	7.8	7.8	. ≏	1.50	9.30			
10a	7.	8.5	8.5	. ≏	1.40	9.90			
11	6.7 6.8	6.6	6.70	1 ⊥	1.70	8.40			
12	8.0 8.1	8.1	8.10	oo	1.44	9.54			
13	7.	8.8 8.8	8.80	oo	1.39	10.19			
14		8.7 8.8	8.75	⊥o	1.40	10.15			
15		8.7 8.7	8.70	oo	1.40	10.10			
16		8.7 8.8	8.75	⊥o	1.39	10.14			
No star 17	~~7~~	.	.						
17a		8.7 8.7	8.70	oo	1.40	10.10			
18		9.7 9.8	9.75	⊥o	1.34	11.09			
19		7. 7							
20		7.							
21									
22									
23									
24									
25									
26									

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Friday, January 7, 1916

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Mc Series 75

YELLOW

Scale W Mc 32 12 ~~B5~~ Tris. Maj. alt. +11 P.C.

	Sc.1	Sc.2		curve Magn.	Sc.1	Sc.2				
a	B.	B.			7.	8.7	8.7	8.70°°	-2.52	6.18
e	5.7	5.8		+1.90	7.70	7.	7.			
f	3.6	3.7	B.	2.60	6.30	9.3	9.3	9.30°°	-2.71	6.59
c	3.7	3.8	B.	2.56	6.36	9.7	9.7	9.7°°	-2.84	6.86
Too faint. d	.	B.		.	.	9.9	9.9	9.90°°	-2.89	7.01
g	7.2	7.3	7.3	7.30 00	1.58	8.88	7.	7.		
g	6.3	6.4	6.3	6.35 01	1.77	8.12				
Too faint. g'	.		7.2	7.2 . a	1.60	8.80				
Too faint. g^2	.		.		.	.				
g^3	7.0	7.1	7.0	7.05 10	1.62	8.67				
g	7.3	7.4	7.4	7.40 00	1.55	8.95				
k	8.0	8.1	8.2	8.15 10	1.44	9.59				
l	7.		9.2	9.3 9.25 01	1.37	10.62				
m			9.0	8.9 8.95 01	1.37	10.32				
n			7.	7.						
o										
p										
q										
r										
s										
u										
t										
w										
x										
y										

Var. 7

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Friday, January 7, 1916 copied BK. 20: 168 6-8

To c Series 75 — YELLOW

Scale W — mc 3213 — S Eqs. Maj — alt. +.11 — P.C.

		Sc.1	Sc.2			Sc.1		Sc.2			
	a	4.6 4.1	B.			1.82	6.52	8.70 11 8.8 8.6	-2.52	6.18	
* Certainly wrong. Wrong unit?	b	~~5.7~~ 5.2 5.1	5.0	5.10	00	2.10	7.20	7. 7			
	c	5.5 5.6	5.4	5.50	11	1.93	7.43	7. 7			
	d	5.8 5.9	5.7	5.80	11	1.90	7.70	7. 7			
	f	6.8 6.9	6.9	6.90	00	1.65	8.55	9.9 9.5 10.0	-2.90	7.05	
	g'	7.3 7.4	7.4	7.40	00	1.56	8.96	~~7.~~ 7.			
	g_2	7.8 7.9	7.7	7.80	11	1.50	8.30				
	g_3	7.3 7.4	7.4	7.40	00	1.56	8.96				
	g										
	h	7.7	7.7	7.70	00	1.50	9.20				
	l	7.	8.7	8.7 8.70	00	1.40	10.10				
	k	7.	8.2	8.3 8.25	01	1.43	9.68				
	m		9.3	9.2 9.25	10	1.37	10.62				
Defect near.	n										
	o		7.7								
	p										
	p'										
	q										
	r										
	s										
	t										
	Var.		9.8			1.35	11.15				

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Friday, January 7, 1916

Mc Series 75 YELLOW

Scale W Mc 3214 Pole P.C.

	Sc.1	Sc.2			Sc.1	Sc.2		
5	3.7	>3.8?	B.	see p. 90 for reduction of series.	7.	8.7	8.8	8.75 ±0
6	5.2	5.3	5.0	5.15 ±2		9.9	9.9	9.90 00
8	6.0	6.1	5.9	6.00 ±1		7.		
9	6.8	6.9	6.8	6.85 ±0				
10	7.3	7.4	7.3	7.35 ±1				
11	7.9	8.0	7.9	7.95 ±1				
12	8.1	8.2	8.2	8.20 00				
13	7.		8.6	8.7	8.65 ±1			
14			8.7	8.7	8.70 00			
15			9.0	9.1	9.05 ±1			
16			9.3	9.5	9.40 ±1			
17			9.7	9.8	9.75 ±0			
18			7.	7.				
19								
20								
21								
22								

12.55

See note concerning reduction of Series on P. 95.

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Wednesday, January, 12, 1916

Plot no. 276.

1.50 Series 233 YELLOW

Scale W mc 5237 Pole mc 5242 P. 108 P.C. P. 108

	Sc.1	Sc.2					Sc.1	Sc.2	
5	B.				Meaw.		7.980	8.1	8.10 00 8.05 8.08 02 03
6	B.					Diff.	7.	8.6	8.4 8.501 1 8.55 8.52 02 03
8	4.9 5.0	B	5.0 2	4.6	4.80 22	+3.23		9.8	9.9 9.850 1 9.35 9.60 25 25
9	6.3 6.4	6.3	6.35 01	5.90	6.12 23 22	2.62		7	7. .
10	6.2 6.3	6.3	6.30 00	6.35	6.32 02 03	2.56		5	-1.65
11	6.7 6.8	6.8	6.80 00	7.00	6.90 10 10	2.46		6	-1.54
12	6.9 7.0	7.1	7.05 01	7.20	7.12 07 08	2.46		8	-1.57
13	7.5 7.6	7.7	7.65 01	7.85	7.75 10 10	2.23		9	
14	7.9 8.0	8.0	8.00 00	8.00	8.00 00 00	2.24			
15	7.	8.4	8.5 8.450 1	8.30	8.38 07 08	2.26			
16	7.	8.6	8.8 8.701 1	8.70	8.70 00 00	2.24			
17		8.8 9.1	8.8 8.800 0	8.70	8.75 05 05	2.29			
18		9.1	9.3 9.49 27 301	9.30	9.28 01 02	2.28			
19			9.49 9.501 1	9.70	9.60 10 10	2.34			
20			7. 7.						
21									
22									
23									
24									
25									

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Series 233 YELLOW

Scale W mc 5238 RW mono c Alt -.05 P.C.

	Sc.1	Sc.2					Sc.1	Sc.2				
					curve							
c	5,4 55	5.4		5.45	10	2.92	8.37	9.8	9.8	9.80	00 -1.57	8.23
a	3,5 3.6	B.		3.6	±	.	.	8.7	8.7	8.70	00 -1.60	7.10
f	5,1 5.2	5.0		5.10	11	3.04	8.14	9.8	9.8	9.80	00 -1.57	8.23
e	7.0 7.1	7.0		7.05	10	2.41	9.46	7.	7.			
f	7.2, 7.3	7.3		7.30	00	2.36	9.66					
g	7.6 7.7	7.8		7.75	10	2.31	10.06					
h	8.0 8.1	8.0		8.05	10	2.30	10.35					
h'	7.9 8.0	7.9		7.95	01	2.30	10.25					
k	7.	8.7	8.5	8.60	11	2.30	10.90					
l		8.6	8.6	8.60	00	2.30	10.90					
l'		7.	10.0?	10.0?	±	.	.					
l²		10.0?	9.8	9.90?	11	.	.					
m		9.7	9.6	9.65	10	2.34	11.99					
n		7.				2						
o												
p												
q												
r												
s												

Does not comp. well.

Var. 6.3 2.61 8.91

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Series 233 YELLOW

Scale W Inc 5239 Nova Geminorum no. 1 Alt. 7.05 P.E.

	Sc.1	Sc.2		curve	magn.	Sc.1	Sc.2			
a	2.4	2.5				7.	8.35 10 8.3	8.4	-1.60	6.75
c	4.6	4.7	B.		3.24	7.94	9.35 01 9.4	9.3	-1.58	7.11
d	6.2	6.3	6.3	6.30 00	2.60	8.90	7.? Scratched.			
e	4.4	4.5	B.	4.5 ± .	.	.	9.00 00 9.0	9.0	-1.60	7.40
f	6.6	6.7	6.6	6.65 10	2.50	9.15	9.80 00 9.8	9.8	-1.57	8.23
g	5.8	5.9	5.4	5.6 5.63 ±20	2.83	8.46	9.70 00 9.7	9.7	-1.57	8.13
h	.	.	.	.	.	.	.	.	.	.
Double h'	5.9	6.0.	5.9	5.95 01	2.71	8.66	9.85 10 9.9	9.8	.	.
l	7.7	7.8	7.7	7.75 01	2.31	10.06	7.7.		.	.
k	6.7	6.8	6.6	6.70 11	2.50	9.20	10.0?.		.	
m	7.6	7.7	7.5	7.60 11	2.33	9.93				
n	7.		8.4		2.30	10.70				
o			8.9		2.30	11.20				
p			8.6		2.30	10.90				
q			8.8	8.9 8.85 01	2.30	11.15				
r			9.0	8.9 8.95 01	2.30	11.25				
t			9.9	9.9 9.90 00	.	.				
s			7.	9.8 9.8 ±	2.35	12.15				
u			7	7. .	.					
y			9.6	9.7 9.65 01	2.34	11.99				
w				7.						
x										
z										
α										
β										

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Series 233 **YELLOW**

Scale W 4m c 5239 X Nova Gem. Alt. +.05 P. E.

	Sc.1	Sc.2				Sc.1	Sc.2				
See a preceding page.	a	.	.				.	.			
	f 4.1 4.2	B,					9.0 9.0	9.00	00	-1.60	7.40
	c 4.7 4.8	B,					9.9 9.6	9.75	12	-1.57	8.18
	d 5.2 5.3	5.0	5.15	1	3.03	8.18	9.2 9.2	9.20	00	-1.59	7.61
	e 6.5 6.6	6.3	6.45	2	2.56	9.01	7. 10.0 ?	10.0?	a		
	f 7.3 7.4	7.4	7.40	00	2.36	9.76	7. 7.				
	g 7.2 7.3	7.1	7.20	11	2.38	9.58					
	K 8.0 8.1	8.3	8.20	1	2.30	10.50					
	h 7.4 7.5	7.6	7.55	1	2.33	9.88					
	l 7.	8.1 8.1	8.10	00	2.30	10.40					
	n 7.	9.0 9.0	9.00	00	2.30	11.30					
	m	8.2 8.1	8.15	01	2.30	10.45					
	p	9.2 *~~8.7~~ 9.3	9.25	01	2.31	11.56					
	p'	9.5 9.5	9.50	00	2.33	11.83					
	q	7. 7.									
	o	9.7 9.4	9.65	12	2.34	11.99					
	n	7.									
	n'										
	n^2										
	s										
	t										
	u										
	Var.	5.6 5.7	5.65	01	2.83	8.48					

*Superposed on star of other plate at first measure.

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Series 233 YELLOW

Scale W m C 5240 Nova Aquilae No. 2 alt. +.05 P C.

	Sc.1	Sc.2				Sc.1	Sc.2		
k	B.						7.90 00		
l	2.0 2.1						7.9 7.9	-1.59	6.31
m	.	.					8.30 00		
n	4.8 4.9	B.		3.14	8.04		8.3 8.3	-1.60	6.70
o	4.8 4.9	B.		3.14	8.04		8.35 01		
p	.	.		.			8.4 8.3	-1.60	6.75
q	5.4 5.5	5.3	5.40 11	2.93	8.33		9.60 00		
r	6.2 6.3	6.3	6.30 00	2.60	8.90		9.6 9.6	-1.58	8.02
s	4.8 4.9	4.9	4.90 00	3.14	8.04		9.45 01		
s'	4.9 5.0	B.	5.0 ±	3.10	8.10		9.4 9.5	-1.58	7.81
t	5.4 5.5	5.3	5.40 11	2.93	8.33		9.0	-1.60	7.40
t^2	7.2 7.3	7.3	7.30 00	2.36	9.66		9.8	-1.57	8.23
u		5.9		2.73	8.63		7.	.	.
w		7.6		2.32	9.92		9.5	-1.58	7.92
x		8.4		2.30	10.70		9.8	-1.57	8.23
y		8.2		2.30	10.50		9.7	-1.57	8.13
z		7.6 7.4	7.50 11	2.34	9.84		7.		
κ		9.0 8.9	8.95 01	2.31	11.26				
β		8.9 8.7	8.80 11	2.30	11.10				
γ		9.3 9.3	9.30 00	2.31	11.61				
δ		9.9 9.7	9.80 11	2.35	12.15				
ε_2		7 7.							
ε									
ε^3									
ζ									
ζ^{02}									
ν_{00}		9.9		.	.				

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Series 233 YELLOW

Scale W mc 5241 R Lyncis alt. +.08 P.C.

	Sc.1	Sc.2					Sc.1	Sc.2				
a	B.	B.					7.	8.4	8.4	8.40	-1.60	6.80
b	2,2 2.3	B.						8.7	8.6	8.65	-1.60	7.05
d	4.5-4.6	B.			3.30	7.90		9.6	9.5	9.55	-1.58	7.97
e	6.1 6.2	6.1	6.15	01	2.65	8.80		7.	7.			
f	6.8 6.9	6.8	6.85	10	2.46	9.31		7.				
f2	6.9 7.0	7.0	7.00	00	2.43	9.43		7.				
g	7.3 7.4	7.4	7.40	00	2.35	9.75						
h	7.7 7.8	7.8	7.80	00	2.31	10.11						
h2	7.	8.3	8.3	a=	2.30	10.60						
m	7.	8.7	8.7	a=	2.30	11.00						
K	7.8 7.9	8.0	7.95	10	2.31	10.26						
n	7.	9.2 9.3	9.25	01	2.31	11.56						
o'		9.2 9.3	9.25	01	2.31	11.56						
o2		7. 7.										
o3		7.										
o4		7.										
p'		7.										
q												
q'												
q''												
r'												
r2												
s												
t												
u												
w												
Var.		5.0			8.10	8.10						

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Series 233 YELLOW

Scale W mc 5242 Pole P.C

	Sc.1	Sc.2				Sc.1	Sc.2			
						8.0 8.1				
5	B.						8.0	8.05 10	7.90	
6	B.					~~Mean.~~ Diff	8.5 8.6	8.55 ± 0	8.30	
8	4.5 46	B.		46 ≏	44	4.5 11	+3.53	9.3 9.4	9.35 ± 0	9.15
9	5.8 59	5.9		5.90 00	5.80	5.85 05 05	+2.89	7. 7	.	9.9?
10	6.3 64	6.3		6.35 01	6.90	6.38 07 08	2.60	7. 7	.	Diff.
11	6.9 7.0	7.0		7.00 00	6.90	6.95 05 05	2.41	5	7.98	07 08 -*1.55
12	7.1 72	7.2		7.20 00	7.35	7.28 08 07	2.30	6	8.42	13 12 1.44
13	7.7 78	7.9		7.85 01	7.80	7.82 03 02	2.26	8	9.25	10 10 1.22
14	7.9 8.0	8.0		8.00 00	7.90	7.95 05 05	2.09	9	9.9?	÷ ≏ -1.16
15	7.	8.3	8.3	8.30 00	8.35	8.32 02 03	2.32			
16		8.8	8.6	8.70 11	8.75	8.72 02 03	2.22			
17		8.7	8.7	8.70 00	8.70	8.70 00 00	2.34			
18		9.3	9.3	9.30 00	9.15	9.52 22 23	2.04			
19		9.6	9.8	9.70 11	9.80	9.75 05 05	2.19			
20		7.	7.							
21										
22										
23										
24										

3.58

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11.22 Series 233 YELLOW Plot sheet 276.

Scale W mc 5242 Pole. P.e.

	Sc.1	Sc.2		mc 5248 P.116	Meaw.		Diff.	Sc.1	Sc.2	B.116. meaw.
5	B.							8.0	8.0 8.00 00	7.90 7.95 05 05
Too poor. 6	.							8.6	8.6 8.60 00	8.30 8.45 15 15
" 8	4.7 48	B	48 a.	44	4.60	22	+343	9.3	9.2 9.25 10	9.15 9.20 05 05
" 9	5.9 6.0	5.7	5.85 21	580	5.82	03 02	2.92	10.0	? 9.9 ? 9.95 ? 01	99 ? 9.92 ? 03 02
10	6.4 6.5	6.2	6.35 12	6.20	6.28	07 08	2.60	7.		
11	6.9 7.0	6.9	6.95 01	6.90	6.92	03 02	2.44			
12	7.1 7.2	7.2	7.20 00	7.35	7.28	08 07	2.30		Diff.	
13	7.7 7.8	7.9	7.85 01	7.80	7.82	03 02	2.26	5	-1.52	
14	7.9 8.0	7.8	7.90 11	7.90	7.90	00 00	2.34	6	-1.41	
15	7.	8.4	8.48.4 00 0	8.35	8.38	02 03	2.26	8	-1.17	
16		8.7	8.8 8.75 10	8.75	8.75	00 00	2.19	9	-1.18	
17		8.7	8.7 8.70 00	8.70	8.70	00 00	2.34			
18		9.2	9.2 9.20 00	9.15	9.52	28 32 27	2.08			
19		9.6	9.7 9.65 01	9.80	9.72	01 08	2.22			
20			7.7							
21										
22										
23										

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Series 233 **YELLOW**

Scale W	MC 5243	W Urs. Maj. alt +.11				P.C.		
	Sc. 1	Sc. 2				Sc. 1	Sc. 2	
α		B				7.7 7.8	7.80 oo 7.8	· 4.52 6.28
β	·	·				·	·	
γ	·	·			:	,	·	
δ	2.1 2.2	B.				8.3	8.3 5 1 o 8.4	-1.43 6.92 / ~~-1.60 6.75~~
Too far. ε	·	·				·	·	
ζ	4.4 4.5	B.	* 4.5 a.	3.52	8.02	9.0	9.00 oo 9.0	-1.30 7.70 / ~~-1.60 7.40~~
η	·	·	·	·	·		·	
θ	·	·	·	·	·		·	
Too far from centre Q^2_1	:	·	·	·	Too far.			
" " " " f	·	·	·	·		8.7	8.7 o oo 8.7	-1.36 7.34 / ~~-1.60 7.10~~
b	6.0 6.1	6.2	6.15 1 0	~~2.64 8.79~~ 2.72	8.87	9.9	9.9 o oo 9.9	-1.05 8.85
e	5.6 5.7	5.6	5.65 1 0	~~2.82 8.47~~ 2.95	8.60	9.6		-1.14 8.46 / ~~-1.57 8.03~~
d	5.7 5.8	5.6	5.70 1 1	~~2.81 8.51~~ 2.90	8.60	9.7		-1.11 8.59 / ~~-1.57 8.13~~
c	4.9 5.0	B.	5.0 a.	~~3.10 8.10~~ 3.25	8.25	9.4		-1.20 8.20 / ~~-1.58 7.82~~
f	5.9 6.0	5.8	5.90 1 1	~~2.73 8.63~~ 2.81	8.71	9.7		-1.11 8.59 / ~~-1.57 8.13~~
g	6.7 6.8	6.9	6.85 0 1	~~2.47 9.32~~ 2.47	9.32	7		·
h	7.9 8.0	7.9	7.95 0 1	~~2.31 10.26~~ 2.28	10.23	7		·
*Wrong unit. k	8.0 8.1	*8.1 9.1	8.10 0 0	~~2.30 10.40~~ 2.26	10.36			
l		8.4 8.5	8.45 0 1	~~2.30 10.75~~ 2.22	10.67			
m		9.6 9.4	9.50 1 1	~~2.33 11.83~~ 2.16	11.66			
n		9.7 9.4	9.55 1 2	~~2.33 11.88~~ 2.16	11.71			
o		9.7 9.7	9.70 oo	~~2.34 12.04~~ 2.15	11.85			
p		7. 4.		·				
q		7		·				
r								
s								
t								
u								
Var.	4.1 4.2	B.				9.1		-1.60 7.50

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Series 233 YELLOW

Scale W Mc 5243 W Trs. Maj. Ref. Seq. Alt. +11 P.C.

	Sc.1	Sc.2			Sc.1	Sc.2				
1	.	.			.	.				
2	.	.			.	.				
3	5.7 5.8	5.6	5.70	1 1	2.90	8.60	9.9	9.9	9.90	00-1.05-8.85
4	7.7 7.8	7.7	7.75	0 1	2.30	10.05	7.			
5	8.0 8.1	8.2	8.15	1 0	2.26	10.41	7.			
6	7.	8.7 8.5	8.60	1 1	2.21	10.81				
7		10.0? 9.8	9.90?	1 1	2.14	12.04?				
8		7 7.								
9		7.								
10										
11										
12										
13										
14										
15										
16										
17										

Hazy.

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Series 233 YELLOW

Scale W		MC 5244 Sc.1	Sc.2	B4	Alt. +.11		PC Sc.1	Sc.2		
	1	2.0 2.1?			curve	magn.	7.	8.50 00 8.5 8.5	-1.40	7.10
	2	.			.			8.40 00 8.4 8.4	-1.42	6.98
	3	B.			.		7.7 7.8	7.80 00 7.8	-1.51	6.29
Too poor.	4	.			.			8.70 00 8.7 8.7	-1.36	7.34
	5	.			.	.		8.90 00 8.9 8.9	-1.33	7.57
	6	.			.	.		8.3	-1.44	6.86
Im. poor.	7	5.2 5.3			3.10	8.40		9.3	-1.22	8.08
	8	4.2 4.3	B.		.	.		8.9	-1.33	7.57
	9	4.3 4.4	B.		3.58	7.98		8.9	-1.33	7.57
	10	6.2 6.2	6.5	6.35 21	2.64	8.99		9.9?	-1.05	8.85?
	11	6.6 6.1	6.7	6.70 00	2.51	9.21		7.		
* Wrong unit.	12	6.2 6.3	*6.4	6.35 10	2.64	8.99				
	13	5.8 5.9	5.7	5.80 11	2.87	8.67				
	14	7.2 7.3	7.4	7.35 10	2.35	9.70				
	15	7.3 7.4	7.4	7.40 00	2.35	9.75				
	16	7.7 7.8	7.6	7.70 11	2.30	10.00				
	17	7.7 7.8	7.9	7.85 01	2.29	10.14				
	18	7.4 7.5	7.6	7.55 10	2.32	9.87				
	19	8.0 8.1	8.1	8.10 00	2.26	10.36				
	19a	7.	8.6		2.20	10.80				
	20		8.8		2.20	11.00				
	21		8.4		2.23	10.63				
Im. long.	22		8.8		2.20	11.00				
	23		8.9		2.20	11.10				
	24		9.4	9.3 9.35 01	2.17	11.52				
	25		9.1	9.0 9.05 10	2.19	11.24	28.	9.9 10.0 9.95 10	.	
	26		9.8	9.7 9.75 01	2.15	11.90	29.	9.6 9.8 9.70 11	2.15	11.85
Too poor	27		7.		.		30.	7.		

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Monday January 17, 1916

Series 233 YELLOW

Scale W mc 5245 Dm 10^h12 +47,5 alt. +.12 P.C.

	Sc.1	Sc.2		curve	Magw.	Sc.1	Sc.2			
1	B.					7.	8.4	8.3	8.35 0 1	-1.43	6.92
2	4.0 4.1	B.					8.9	8.8	8.85 1 0	-1.33	7.52
3	5.1 5.2	B.		3.15	8.35		9.4	9.3	9.35 0 1	-1.21	8.14
4	5.8 5.9	5.90 00 5.9	&	5.90	00	2.82	8.72		9.9 9.9	9.90 00	-1.05 8.85?
5	7.0 7.1	7.2		7.15	1 0	2.40	9.55		7.		
6	7.7 7.8	7.7		7.75	0 1	2.30	10.05				
7	7.8 7.9	8.0		7.95	1 0	2.28	10.23				
8	7.	8.6	8.4	8.50	1 1	2.21	10.71				
9		8.7	8.8	8.75	1 0	2.20	10.95				
10		8.8	9.0	8.90	1 1	2.20	11.10				
11		8.9	9.0	8.95	1 0	2.20	11.15				
12		9.6	9.3	9.45	2 1	2.16	11.61				
13											
14											
15											

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Monday, January 17, 1916

Series 233 YELLOW

Scale W Mc 5246 D.m. $10^h 36$ +42.5 alt. +.12 P.C.

	Sc.1	Sc.2				Sc.1	Sc.2				
1	3.6 3.7	B.			curve	mag.	7.	8.8	8.8	8.80	-1.34 7.46
2	5.0 5.1	R.		5.1 ±	3.20	8.30		9.6	9.6	9.60	-1.14 8.46
3	6.6 6.7	6.7		6.70	00	2.52	9.22	9.9	9.9	9.90?	-1.05 8.85?
4	7.2 7.3	7.4		7.35	⊥0	2.36	9.71	7.	7.		
5	7.9 8.0	7.9		7.95	01	2.28	10.23		7.		
6	8.0 8.1	8.2		8.15	⊥0	2.26	10.41				
7	7.	8.4	8.3	8.35	01	2.24	10.59				
8		8.6	8.6	8.60	00	2.21	10.81				
9		8.7	8.8	8.75	⊥0	2.20	10.95				
10		8.9	8.9	8.90	00	2.20	12.10				
11		9.1	9.2	9.15	⊥0	2.19	11.34				
Hazy 12		9.7?	9.7?	9.70?	00	2.15	11.85?				

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Monday, January 17, 1916

Series 233 YELLOW

Scale W mc 5247 Dm. 10h 45 +52.5 Alt. +.12 P.C.

	Sc.1	Sc.2				Sc.1	Sc.2		Magw.
1	B.	B.		curve	magw.	7.980	7.9 7.95 01	-1.50	6.45
2	4.7 4.8	B.	4.8	3.35	8.15		9.0 9.1 9.2 (9.10 101)	-1.28	7.82
5 4 6.5 3 5.6 5.7		5.3	5.50 022	3.00	8.50	Hazy	9.9? 7	-1.05	8.85?
*Def. 4	6.7 6.8	6.7	6.75 01	2.50	9.25		*~~9.7~~ 7		
5	7.1 7.2	7.3	7.25 01	2.37	9.62		7.		
6	7.5 7.6	7.7	7.65 01	2.30	9.95				
7	7.9 8.0	8.0	8.00 00	2.28	10.28				
8	8.0 8.1	8.1	8.10 00	2.26	10.36				
9	7.	8.3 8.4 7.9	8.20 123	2.26	10.46				
10		8.8 8.9	8.85 01	2.20	11.05				
11		8.8 8.8	8.80 00	2.20	11.10				
12		9.4 9.5	9.45 01	2.16	11.61				

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Series 233 YELLOW

Scale W mc 5248 Pole P.C

	Sc.1	Sc.2		Sc.1	Sc.2
5	B.			7.8 7.9	7.9 1.900
6	B.				8.30 1
8	4.3 4.4	B.	44 a.		8.2 8.4
9	5.8 5.9	5.7	5.80 1		9.150 1
10	6.2 6.3	6.1	6.30 1		9.2 9.1
11	6.8 6.9	6.9	6.90 00		9.9? 7. 9.9? a.
12	7.3 7.4	7.3	7.35 01		
13	7.7 7.8	7.8	7.80 00		
14	7.8 7.9	7.9	7.90 00		
15	7	8.4 8.3	8.3501		
16		8.7 8.8	8.7510		
17		8.7 8.7	8.7000		
18		9.8 9.7	9.7501		
19		9.8 9.8	9.8000		
20		7.			
21					
22					
23					

(30 m out)
2.15

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Tuesday, January 18, 1916

Plot. sheet 276.

11.00 Series 238 YELLOW

Scale W mc 5310 Pole.

	Sc.1	Sc.2	mc5315 P.126					Sc.1	Sc.2	mc 5315 P.126.			
5	B.							7.7 7.8	7.8	7.80 00	7.45	7.62	18 11
6	B.			Means.		Diff.		7.9 8.0	8.0	8.00 00	8.10	8.05	05 05
8	3.9 >4.0?	B	4.0 a.	3.5	3.75	2 3	+4.38	7.	9.0	9.00 00	8.70	8.85	15 15
9	5.4 5.5 5.6 5.1	5.1	5.38 13 3 2 5.2	4.9	5.14	24 24	3.60		9.8	9.80 00	9.25	9.58	32 33
10	5.6 5.1	5.5	5.60 11	5.13	5.38 6	24 24	3.52		7.		9.35	9.35	a
11	6.5 6.6	6.6	6.60 00	6.30	6.45	15 15	2.91						
12	6.8 6.9	6.7	6.80 11	6.80	6.80	00 00	2.78						
13	7.4 7.5	7.6	7.55 10	7.20	7.38	17 18	2.70						
14	7.7 7.8	7.7	7.75 01	7.45	7.60	15 15	2.64						
15	8.0 8.1	8.0	8.05 10	7.85	7.95	10 10	2.69						
16	7.	8.6	8.6 a.	8.00	8.30	30 30	2.64						
17		8.6	8.6 a.	8.10	8.35	25 25	2.69						
18		9.0	9.0 9.00 00	8.6	8.80	20 20	2.76						
19		9.5	9.49.45 10	8.9	9.18	27 28	2.76						
20		9.7	9.5 9.60 11	8.9	9.25	35 35	2.94						
21		9.8	9.8 9.80 00	9.40	9.60	20 20	2.67						
22		9.9	9.9 9.9 9.90 00	9.70	9.80	10 10	2.69?						
23		7.		9.45	9.45	a	3.31						
24				~~9.80 9.80~~		a	~~3.14~~	See note on P. 126.					
25				9.90	9.90	a	3.38						
26				~~9.6 9.6~~		a	~~3.22~~	See note on P. 126.					

Diff.

5 -1.19

6 -1.07

8 -0.82

9 -0.84

10 -0.47

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Ym c Series 238 YELLOW Sheet no. 216.

Scale W Ym c 5311 Gal. Pole Alt. +.08 P C.

	Sc.1	Sc.2					Sc.1	Sc.2			
1	2.6? 2.7?	B.	2.7?				7.	8.6	8.7	8.65	01 -0.90 7.75
2	5.8 5.9	5.8	5.85	10	3.16	9.01		7.			
3	7.3 7.4	7.4	7.40	00	2.70	10.10					
4	7.9 8.0	7.9	8.795	01	2.66	10.61					
5	7.	8.7	8.7	8.70	00	2.72	11.42				
6		9.8	9.7	9.75	01	2.90	12.65				
7		9.9?	9.9	9.90?	00	2.94	12.84?				
8		7.	7.								
9		7.									
10											
11											
12											
13											
14											
15											

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Sheets for Circum. Vars.

Ym C Series 238 **YELLOW**

Scale W Ymc 5312 Plus. Maj Alt. +.03 P C

		Sc.1	Sc.2				Sc.1	Sc.2			
	a	B,	B.				7.0 7.1	6.9	7.00[11]		
	d	B,	B.		curve Magn.		7.4 7.5	7.4	7.45[10]	-1.22	6.23
Too poor	h	.	.				7.	8.9 8.9	8.90[00]	-0.84	8.06
Too poor	g	.	.					8.4 8.5	8.45[01]	-0.97	7.48
	l	5.5-5.6	5.5	5.55 01	3.33	8.88		9.9* 8.9 8			
Too poor	l'	.	.	.				8.9	8.9	-0.84	8.06
Too poor.	k	6.5-6.6	6.5	6.55 01	2.85	9.40		7.			
Too poor	m	.	.	.							
	m'	7.6 7.7	7.7	7.70 00	2.67	10.37					
Too poor	n	.	.	.							
Too poor	o	6.8? 6.9?	6.7	6.80? 11	2.80	9.60?					
	o'	7.9 8.0	8.0	8.00[00]	2.66	10.66					
	o²	7.	8.5	8.5 a	2.70	11.20					
	p	7.4 7.5	7.6	7.55 10	2.68	10.23					
	q		8.3	8.3 a	2.67	10.97					
	r		8.9	8.85[10]	2.75	11.60					
	r'		8.9	8.9	8.90[00]	2.76	11.66				
	r²		9.4	9.4	9.40[00]	12.84	12.24				
	r³		9.4	9.4	9.40[00]	2.84	12.24				
	s		9.7	9.7	9.70[00]	2.90	12.60				
	t		10.0?	10.0?	10.00?[00]	2.96	12.96?				
	u		10.0?	7.		2.96	12.96?				
	u'										
	w'										
	x										
	y										

Remeas. by mt. Mar 20, '16

	sc.2	Rec. O.
q	8.4	
l	9.9	
l	~~8.9~~	
l'	8.9	

*Reject 8.9 for P.C. of l. a defect on glass side of plate was measured. G.F.M. Mar. 20, 1916

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Tuesday, January 18, 1916

Inc Series 238 YELLOW

Scale W Inc 5312 R Ters. Maj. Ref. Seq alt. +.03

	Sc.1	Sc.2					Sc.1	Sc.2		
1	See standard preceding page									
2	4.7	4.8	B.					9.05	10	-0.80
								9.1	9.0	-0.49 8.25
5.5 5.6	3	5.4 5.5	5.1	5.1	5.42	3 2 2 3	3.49	8.81	9.85	10
								9.9	9.8	-0.54 9.31
	4	6.1 6.2	6.1		6.15	01	3.01	9.16	9.85?	01
								9.8?	9.9?	-0.54 9.31?
	5	7.9 8.0	8.0		8.00	00	2.66	10.66	7.	7.
	6	7.9 8.0	8.0		8.00	00	2.66	10.66	7.	7.
	6a	7.	8.7	8.7	8.70	00	2.72	11.42		
	6b	7.	8.9	8.9	8.90	00	2.75	11.65		
	7		9.4	9.4	9.40	00	2.84	12.24		
Sm. hazy	8		9.9?	9.9?	9.90	00	2.93	12.83?		
	9		7.	7.						
	10									
	11									
	12									
	13									
	14									
	15									

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Tuesday, January 18, 1916

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Mc Series 238 **YELLOW**

Scale W Mc 5213 R Cam. Vau Alt. +.10 P.C

		Sc.1	Sc.2			Sc.1	Sc.2			
Too faint.	e	.		Edge.	Im. faint.	7	8.3	8.40? ±1 8.5	-0.98	7.42?
	f	B.	B			7.8 7.9	7.9	7.90 °°	-1.11	6.79
	a	B				7.6 7.7	7.7	7.70 °°	-1.15	6.55
	d	B.	B.	curve	Magn.	7.	8.4	8.35 ±1 8.3	-0.98	7.37
Im. faint.	f	.	B.	.		7.	8.8	8.85 °1 8.9	-0.85	8.00
	e	3.5? 3.6?	B.	.			8.5	8.55 ±0 8.6	-0.93	7.62
	g	4.8 4.9	B.	4.9 ±	3.72	8.62	9.7		-0.59	9.11
	h	5.3 5.4	5.4	5.40 °°	3.41	8.81	9.6		-0.62	8.98
	k	6.0 6.1	6.1	6.10 °°	3.04	9.14	9.9		-0.51	9.39
	l	5.9 6.0	5.8	5.90 ±1	3.14	9.04	10.0		-0.47	9.53
	n	6.6 6.7	6.7	6.70 °°	2.81	9.51	7.			
	m	6.8 6.9	6.8	6.85 ±0	2.78	9.63	7.			
	p	7.6 7.1	7.8	7.75 ±0	2.66	10.41				
	o	6.8 6.9	6.8	6.85 ±0	2.78	9.63				
	q	8.0 8.1	8.1	8.10 °°	2.66	10.76				
	t	7.	8.7	8.65 ±0 8.6	2.71	11.36				
	r		8.9	8.95 ±0 9.0	2.76	11.71				
	s		9.0	9.05 °1 9.1	2.78	11.83				
	u		8.9	8.95 ±0 9.0	2.76	11.71				
	w		9.9	9.90 °° 9.9	2.94	12.84				
	x		7.							
	y		7.							
	z									
	α'									
	β									
	γ									

*See note Mc 5224 * & def. α' was omitted.

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Tuesday, January 18, 1916

Mc Series 238 YELLOW

Scale W | Mc 5313 | P Cam. Vert | Ref. Seq. alt. +.10

	Sc.1	Sc.2			Sc.1	Sc.2		
1	4.9 4.8	B.	3.16	8.56	7.	9.20 9.2	-0.75	8.45
2	5.96.0 5.95 0 1	5.9	3.12	9.01		9.80 11 9.9 9.7	-0.55	9.25
3	6.9 7.0 7.00 00	7.0	2.75	9.75		7. 7.		
4	7.8 7.9 7.90 00	7.9	2.66	10.56		7.		
5	7.	8.50 1 1 8.4 8.6	2.70	11.20				
6		9.25 2 1 9.4 9.1	2.80	12.05				
7	Im. Lagg	9.80 ?.00 9.8 98? 9.85 ?.01	2.92	12.72?				
8		9.8 99?	2.93	12.78?				
9		7. 7						
10								
11								
12								
13								
14								
15								

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Tuesday, January 18, 1916

mc Series 238 YELLOW

Scale W mc = 314 RS Eros Majors Alt. +.06 PC

	Sc.1	Sc.2				Sc.1	Sc.2		
a	2.0 2.1					7	8.90 00		
a'	2.6 2.1						8.9 8.9	-0.84	8.06
b	4.7 4.8	B.					8.80 11		
b'	5.6 5.6 5.7 5.5	5.2 5.8 5.1 5.7	5.58	01±2	+3.33	8.91	8.7 8.9	-1.86	7.94
							9.55 01		
							9.6 9.5	-0.64	8.91
							7. 7	.	.
d	6.4 6.5	6.5	6.50	00	2.81	9.37	9.9?	-0.51	9.39?
e	6.1 6.2	6.2	6.20	00	3.00	9.20	9.9 7.	-0.51	9.39
c	6.3 6.4	5.9 5.9	6.11	33	3.04	9 8.15	7.		
f	7.4 7.5	7.6	7.55	±0	2.68	10.23 ~~8.8~~			
g	7.4 7.5	7.6	7.55	±0	2.68	10.23			
h	7.	8.4			2.69	11.09			
h'		8.8			2.74	11.54			
l		9.0			2.76	11.76			
k'		8.7 8.7	8.70	00	2.73	11.43			
k		8.7 8.7	8.70	00	2.73	11.43			
l'		9.0 9.1	9.05	01	2.78	11.83			
m		9.5 9.3	9.40	11	2.84	12.24			
n		9.7 9.8	9.75	±0	2.90	12.65			
o		7. 7.							
o'		7.							
p									
q									
r									
s									
t									
u									

Var ms

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Series 238 YELLOW

Scale W MC 5314 Tues. Traj. alt +.06 P.C.

	Sc.1	Sc.2	curve	Mags.	Sc.1	Sc.2		
a	B.				7.0 7.1	7.25 12 7.4		
e	3.1 3.2				7.	8.8 0 11 8.7 8.9	-0.86	7.94
f	2.0 2.1?				7.8 7.9	7.90 00 7.9	-1.11	6.79
c	2.5 2.6				8.0 8.1 8.10 00	8.1	-1.06	7.04
d	2.6 2.8				7.	8.45 12 8.3 8.6	-0.97	7.48
g	4.7 4.8	B.				9.6	-0.62	8.98
g	3.4 3.5	B.				9.20 00 9.2 9.21	-0.75	8.45
g_1	5.1 5.2		3.54	8.74		7.	-	
g_2	5.8 5.9		3.14	9.04		* 8.9	-0.84	8.06
g	3 4.6 4.7	B.				7.		
g	5.2 5.3	5.15 21 5.0	3.58	8.73		7.		
k	6.5 6.6	6.60 00 6.6	2.84	9.44				
l	7.8 7.9	7.85 10 7.8	2.66	10.51				
m	7.6 7.7	7.75 10 7.8	2.67	10.42				
n	7.	8.7	2.72	11.42				
o		8.7	2.72	11.42	Remeas Mar. 22, 1916.			
p		9.10 11 9.2 9.0	2.78	11.88	P.C.			
q		9.50 00 9.5 9.5	2.86	12.36	g			
i		9.15 10 9.1 9.2	2.79	11.94	* g_2 Reject. No P.C. for g_2. y.t.m.			
s		9.80 ?00 9.8? 9.8?	2.92	12.72?				
u		10.00 ?00 10.0? 10.0?	2.96	12.96?				
t		7. 7.						
w								
x								
y								
Var.		B				8.9	-0.84	8.04

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~~Series 238~~ YELLOW

Scale W M C 5314 S Tri. Maj. Ref. +.06. P C

	Sc.1	Sc.2				Sc.1	Sc.2	
* See p. 124, a	B.	B				7.2 7.3	7.3	7.30 00
" " " b	.	.				.	.	
" " " c	.						.	
" " " d	.				curve Magns.		.	
f	4.3 4.4	B.			.		9.7 9.6 9.65 10	-0.61 9.04
" " " g'	.						.	
" " " g^2	.						.	
g^3	4.8 4.9	B.			3.71	8.61	7	
h	5.8 5.9	5.7	5.80	11	3.18	8.98	7	
i	7.2 7.3	7.5	7.40	11	3.69	10.09		
k	6.9 7.0	6.8	6.90	11	2.77	9.67	~~6.8~~	
m	7.8 7.9	8.1	8.00	11	2.66	10.66		
n	7.	8.3			2.67	10.97		
o		8.9 9.0	8.95	10	2.76	11.71		
p		9.2 9.2	9.20	00	2.80	12.00		
p'		9.0 8.9	8.95	01	2.76	11.71		
q		9.9 9.7	9.80	11	2.92	12.72		
Hazy r		9.7? 9.8	9.75	10	2.90	12.65?		
s		7.						
t								
Var.		B.					8.9	-0.84 8.06

* Stars b, c, d, g' and g^2 common to sequences for T and S Tri. See T 1913

1915phae.proj.1045M

Tuesday January 18, 1916

mc Series 238 YELLOW

Scale W mc 5315 Pole. PC.

	Sc.1	Sc.2		
5	B			
6	B.			
8	3.4 3.5			
9	4.8 4.9	B.		
10	5.3 5.4	5.13 3 ⊥ ⊥	5.0 5.0	
11	6.1 6.2	6.30 ⊥ 1	6.4	
12	6.7 6.8	6.8000	6.8	
13	7.1 7.2		7.2	7.20 00
14	7.3 7.4		7.5	7.45 01
15	7.7 7.8		7.9	7.85 01
16	7.9 8.0		8.0	8.00 00
17	8.0 8.1		8.1	8.10 00
18	7.		8.6	
19			8.9	
20			8.9	
21			9.4 0 1 ⊥	
22			9.5 9.3	
23			9.7 0 00	
24			9.5 10	
25			* 9.80? 23	
26			10.0 9.6	
27			9.90? 00	
			* 9.6. 2	
			7.	

Sc.1 Sc.2

7.3 7.4 7.45 01 7.5

7.9 8.0 8.10 ⊥ 1 8.2

7. 8.1 0 00

8.7 8.7

9.2 5 01

9.2 9.3

9.3 5 0 ⊥

9.4 9.3

7

"Wrong wind.

Hazy.

(30 m out)

2.40

Remeas. Mar. 6, 1916:

9. F.M. Obsr. O. Recorder.

sc 2

* Star 22 certainly appears fainter than 23.

‡ 22 9.8 Either image defective? Or diff. in quality? 23 hazy.

‡ 23 9.6 Reject. Too poor and uncertain.

24 t.p. hazy. Star 24 is a mere blur on the

25 v.p. 10.0 film. A defect may have

26 t.p. [illegible] n.s.?

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Thursday, January 20, 1916

1.55 — WC 8175 235 — YELLOW — Sheet no. 277

Scale W — mc 5265 — Pole — P.c.

	Sc.1	Sc.2	mc 5270 P.135	Means.		Diff.	Diff	Sc.1	Sc.2	mc 5270 P.135
5	B.							7.7 7.8	7.8	7.80 00 7.90 7.85 05 05
6	B.								8.25 01 8.2	8.3 8.20 8.22 03 02
8	4.6 4.7		B.	4.4	4.55	1 2	+3.68	3.48	9.00 00 9.0	9.0 9.00 9.00 00 00
9	5.8 5.9	5.8512	5.6	5.75	5.80	05 05	3.03	2.94	9.50 01 9.6	9.4 9.85? 9.68 18 17
10	6.3 6.4	6.2521	6.1	6.10	6.18	01 08	2.84	2.70	9.70 00 9.7	9.7 9.80? 9.75 05 05
11	6.8 6.9	6.8511	*8.7 6	6.85	6.82	02 03	2.13	2.54	7.	
12	7.2 7.3	7.2011	7.1	7.00	7.10	10 10	2.76	2.48		Diff.
13	7.7 7.8	7.7011	7.6	7.85	7.78	08 07	2.52	2.30		5 -1.42
14	7.7 7.8	7.80 00	7.8	7.85	7.82	02 03	2.83	2.42		6 -1.24
15	7.		8.1	8.10	8.10	00 00	2.98	2.54		8 -0.97
16			8.6	8.60	8.60	00 00	2.80	2.34		9 -0.94
17			8.6000 8.6 8.6	8.70	8.65	05 05	2.98	2.29		10 -0.87
18			8.7510 8.7 8.8	9.10	8.92	17 18	3.14	2.64		11
19			9.4000 9.4 9.4	9.55	9.48	08 07	2.94	2.46		
20			9.6501 9.6 9.7	9.65	9.65	00 00		2.54		
21			9.7501 9.8 9.7	9.75				2.52		
22			7. 7.							
23			*9.7 9.7							
24			7.							

Wrong unit.

*Reject; defective

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Thursday, January 20, 1916

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mc Series 235 YELLOW Sheet no. 277

Scale W mc 66 W rev. maj alt +.09 P.C.

	Sc.1	Sc.2				Sc.1	Sc.2			
α	B.					7.7 7.8	7.8	180 00	-1.25	6.55
β	.									
γ	.									
δ	2.5 ? 2.6					7.	8.6	8.65 01 8.7	-1.16	7.49
ε	.									
ζ	4.7 4.8			3.32	8.12		8.9	8.95 ±0 9.0	-1.08	7.87
η	.			.	.					
θ	.			.	.					
θ^2	.			.	.					
ι	.	B.		.	.		8.4	8.55 ±1 8.7	-1.18	7.37
κ	6.7 6.8	6.7	6.75 01	2.58	9.33		9.9	9.9? 9.90 00	-0.83	9.07?
λ	5.7 5.8	5.8	5.80 00	2.88	8.68		9.5		-0.95	8.55
μ	5.7 5.8	5.6	5.70 11	2.92	8.62		9.5		-0.95	8.55
ν	4.8 4.9	B.	4.9 ±	3.28	8.18		9.2		-1.01	8.19
ξ	4.8 5.9	6.1	6.00 11	2.81	8.81		9.7		-0.89	8.81
ο	6.8 6.9	6.9	6.90 00	2.54	9.44	Hazy	9.8?		-0.86	8.94?
π	7.8 7.9	7.8	7.85 10	2.43	10.28	"	* ~~9.7~~		~~-0.83~~	~~9.07?~~
ρ	7.9 8.0	8.1	8.05 01	2.43	10.48		7.			
σ		8.6 8.6	8.60 00	2.44	11.04		* Remeas. Mar. 22, 1916			
τ		9.8 9.6	9.70 11	2.52	12.22		h – Reject P.C.			
υ		9.7 9.4	9.55? 12	2.50	12.05?		measure for star h.			
φ		9.7 9.7	9.70 00	2.52	12.22		Image has no P.C.			
χ		7. 10.0?	10.0? ±	.	.		Per G.T.M.			
ψ		7.								
ω										
ω'										
ω''										

Too far from centre.

" " " "

*Wrong unit

Hazy

Var. B. 8.7

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Thursday, January 20, 1916

~~Mrc.~~ Series 225 YELLOW Sheet no. 247

Scale W mc5267 ~~m 3~~ W Wav. Maj. Ref. Seq. alt. +09 P.C

	Sc.1	Sc.2						Sc.1	Sc.2				
1	See 5, preceding page												
2	See 5'	"	"										
3	6,16.2	5.9		6.05	21	280	8.85	9.8	9.9	9.85	01	−0.85	9.00
4		7.8	8.0	7.90	11	2.43	10.33	7.					
5	7	8.6	8.6	8.60	00	2.44	11.04						
6		8.9	8.9	8.90	00	2.46	11.36						
7		9.9	9.9	9.90?	00	.	.						
8		7.	7.										
9													
10													
11													
12													
13													
14													
15													

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Thursday, January 20, 1916

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Series 235 **YELLOW**

Scale W	mc 5267	m 3	Alt. + 12		PC.	
	Sc.1	Sc.2	curve	Magn. Sc.1	Sc.2	
α	4.9 5.0	B.	3.22	8.22	8.9 8.9	8.90 00 -1.10 7.80
β	7.0 7.1 7.05 10	7.0	2.51	9.56	7.00 Hazy	
γ Hazy.	7.7 7.8 7.85 01	7.9	2.43	10.28:	9 8 9.9	9.85 01 -0.85 9.00
δ	7.	8.1	2.45	11.15	7. 7.	
* Wrong star meas. ε		*~~8.1~~ 9.9 9.8	2.54	12.39	9+	
ζ		8.9 8.9	8.90 00	2.46	10.36	
η		9.8 9.9	9.85 01	2.54	12.39	
a		9.9 9.8	9.85 10	2.54	12.39	
f		9.9? 7.	9.9? a.	.	.	
Hazy c		10.0? 9.9?	9.95? 01	.	.	
d		7.				

All images hazy.

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Thursday, January 20, 1916

Series 235 — YELLOW

Scale W mc 5267 m 3 Ref Seq. PC

	Sc.1	Sc.2			curve	magw.	Sc.1	Sc.2		curve	magw.
								9.65			
1	6.263	6.2	6.25	10	2.73	8.98		9.6 9.7	01	-0.91	8.74
2	7.374	7.3	7.35	01	2.41	9.82		7			
3	7.374	7.5	7.45	01	2.46	9.91		7.			
4	7.8 7.9	7.7	7.80	11	2.43	10.23					
5	7.374	7.7 7.4	7.50	121	2.46	9.96					
6		9.0 9.0	9.00	00	2.47	11.47					
7		9.2 9.3	9.25	01	2.49	11.74					
8		9.9 9.9	9.90	00	.	.					
9		7. 7.									
10											
11											
12											
13											
14											
15											

Reference plate for this sequence, mc 5225, is missing. Identification made by mc 5336, and assumed correct.

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1915phae.proj.1045M

Thursday January 20, 1916

Inc Series 235 YELLOW

Scale W Inc 5268 Dm 14h 50 +27.5 P.C.

	Sc.1	Sc.2				Sc.1	Sc.2		
1	B.	B.			curve magw.	8.0 8.1	8.15 1 0 8.2	-1.23	6.92
2	4.1? 4.2?	B.			.	7.	8.75 0 1 8.8 8.7	-1.13	7.62
3	5.8 5.9	5.8	5.85	10	2.87	8.72:	9.65 0 1 9.6 9.7	-0.91	8.74
4	6.7 6.8	6.7	6.75	0 1	2.59	9.34	9.80? 1 ? 9.7 9.9?	-0.86	8.94?
5	7.1 7.2	7.1	7.15	0 1	2.50	9.65	7 7.		
6	7.2 7.3	7.3	7.30	00	2.48	9.78			
7	7.7 7.8	7.8	7.80	00	2.43	10.23			
8	7.9 8.0	7.8	7.90	11	2.43	10.33			
9	7.	8.3	8.30	00	2.43	10.73			
10		8.7	8.70	00	2.45	11.15			
11		8.8	8.80	00	2.45	11.25			
12		9.4 9.5	9.45	01	2.50	11.95			

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Thursday, January 20, 1916

Series 235 **YELLOW** Copied Bk 20:190-192

Scale W MC 5269 P Camel Alt. +.04 P.C.

		Sc.1	Sc.2				Sc.1	Sc.2			
Off plate.	α	·	B				·	·			
	β	B.	B.				7.1 7.2	7.0	7.10 12	·	·
Edge.	γ	·	B.				7.	8.7	8.6 8.65 10	-1.16	7.49
	a	B.	B				8.0 8.1	8.2	8.15 ±0	-1.23	6.92
Edge.	a'	·	~~B.~~					9.5	9.6 9.55 ±0	-0.94	8.61
Im. poor.	δ	·						9.0	9.0 9.00 00	-1.07	7.93
	c	6.6 6.7	6,4	6.55	12	2.64	9.19	9.7		-0.83	9.07
	d	6.9 7.0	7.0	7.00	00	2.53	9.53	7.			
	e	6.9 7.0	7.0	7.00	00	2.53	9.53	7.			
	f	7.8 7.9	7.8	7.85	10	2.43	10.28				
*Wrong star.	g	7.	~~8.4~~ 7.8 8.3	8.35	01	2.43	10.78				
	g		8.3 8.2	8.25	10	2.43	10.68				
	h		8.6 8.6	8.60	00	2.44	11.04				
	h'		9.7 9.6	9.65	10	2.52	12.17				
	k		7. 7	.	.	.	.				
	l		9.7 9.7	9.70	00	2.53	12.23				
	m		7 7.	.	.						
	n										
	o										
	p										
	q										
	r										

Var.

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Thursday, January 16, 1916

Series 235

YELLOW

Scale W mc5269 Dm Seq 15h 82 alt. +.04 P. e.

	Sc.1	Sc.2					Sc.1	Sc.2	
1	5.8 5.9	5.6	5.75	12	2.90	8.65	7.	985 01 9.89.7	-0.85 9.00
2	6.9 7.0	6.9	6.95	01	2.53	9.48		7.	
3	6.9 7.0	7.0	7.00	00	2.53	9.53			
4	7	8.2 8.3	8.25	01	2.43	10.68			
5	7.9 8.0	7.8	7.90	11	2.43	10.33			
6		9.5 9.4	9.45	10	2.50	11.95			
7		9.8 9.8	9.80	00	2.54	12.34			
8		9.8 9.8	9.80	00	2.54	12.34			
9		7. 7.							
10		7.							
11									
12									
13									
14									
15									

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Thursday, January 20, 1916

MC Series 235 — YELLOW

Scale W — MC 5270 — Pole

	Sc.1	Sc.2		Pc. Sc.1	Pc. Sc.2	
5	B.			7.8 7.9	7.9	7.90 00
6	B.			7.	8.2 8.2	8.20 00
8	4.3 4.4	B.			9.0 9.0	9.00 00
9	5.7 5.8	5.7	5.750 1		9.9 ? 9.8	9.85 ? 10
10	6.1 6.2	6.0	6.10 11		9.8 ? 9.8	9.80 ? 00
11	6.8 6.9	6.8	6.85 10			
12	6.9 7.0	7.0	7.00 00			
13	7.8 7.9	7.8	7.85 10			
14	7.8 7.9	7.8	7.85 10			
15	8.0 8.1	8.1	8.10 00			
16	7.	8.6 8.6	8.60 00			
17		8.7 8.7	8.70 00			
18		9.1 9.1	9.10 00			
19		9.5 9.6	9.55 10			
20		9.6 9.7	9.65 01			
21		7. 7				
22						
23						
24						

see P. 127

4.09 5

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Friday, January 21, 1916

Scale W 12.00 — mc Series 235 — mc 5270 Pole — YELLOW — Sheet no. 277.

	Sc.1	Sc.2		mc 5276 P.146		Sc.1	Sc.2	P.146
5	B					7.8 7.9	7.9	7.90 00 7.70
6	B.	B.			meaw.	8.0 8.1	8.2	8.15 10 8.10
8	4.6 4.7	B.		4.4	4.55 12	Diff 7 3.48	8.9	8.90 00 89 98 85 10 8.95
9	5.8 5.9	5.7	5.80 1 1	5.45	5.62 18 17	3.12	9.7	9.65
10	6.2 6.3	6.1	6.20 1 1	5.80	6.00 20 20	2.88	9.8 9.7	9.75 0 1 9.95
11	6.7 6.8	6.8	6.80 00	6.80	6.80 00 00	2.56	7.	
12	7.0 7.1	7.0	7.05 10	6.85	6.95 10 10	2.63	meaw	Diff.
13	7.7 7.8	7.8	7.80 00	7.45	7.62 18 17	2.46	5	7.80 10 10 -1.37
14	7.8 7.9	7.9	7.90 00	7.8	7.85 05 05	2.39	6	8.12 03 02 1.14
15	~~8.7~~	8.0 8.2	8.10 1 1	8.1	8.10 00 00	2.54	8	8.92 02 03 -0.89
16	7.	8.7 8.7	8.70 00	8.1	8.40 30 30	2.54	9	9.75 10 -1.01
17		8.8 8.7	8.75 0 1	8.35	8.55 20 20	2.49	10	9.85 10 10 -0.97
18		9.0 9.0	9.00 00	8.80	8.90 10 10	2.66	11	
19		9.6 9.5	9.55 0 1	9.05	9.30 25 25	2.64		
20		9.7 9.7	9.70 00	9.55	9.62 08 07	2.57		
21		9.8 9.9	9.85 0 1	9.80	9.82 03 02	2.45		
22		7. 7.						
23								
24								
25								

* Wrong star.

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Friday, January 21, 1916

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Sheet no. 277

YMC Series 235 — YELLOW

Scale W — mc 5271 — P Cor. Bor. — alt. +.10 — P.C.

		Sc.1	Sc.2				Sc.1	Sc.2			
	f	B.					8.0 8.1	8.1	8.10 00	-1.14	6.96
Im. door.	f'	.						8.6 8.5	8.55 01	-1.04	7.51?
	h	3.9 ?4.0?	B.					8.8 8.7	8.75 01	-1.01	7.74
	g	3.2 ?3.3?						8.6 8.7	8.65 01	-1.01	7.64
Edge.	k	.	B.					8.7 8.7	8.70 00	-1.01	7.69
	l	5.3 5.4	5.2	5.30	11	3.16	8.46	9.2		-0.96	8.24
5.7 5.8	m	5.7 5.8	5.1 5.4	5.52	33±1	3.08	8.60	9.4		-0.95	8.45
Edge.	n	.	.					9.4		-0.95	8.45
	p	6.9 7.0	7.3	7.15	21	2.57	9.72	7			
	q	7.5 7.6	7.4 7.6	7.53	11	2.52	10.05	7.			
Edge.	o	.	.								
	r	7.5 7.6	7.7	7.65	01	2.51	10.16				
	s	7.	8.4 8.2	8.30	11	2.51	10.81				
Hazy.	t	7.	8.6 8.4	8.50	11	2.53	11.03				
	u		9.1 8.9	9.00	11	2.56	11.56				
	w		9.3 9.3	9.30	00	2.51	11.87				
Hazy.	x		9.7 9.7?	9.70?	00	2.56	12.26?				
	y		9.7 9.7	9.70	00	2.56	12.26				
	z		7. 7.								
	α										
	β										
	γ										

Var. — 6.9 7.0

All images along

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Friday, January 21, 1916

Series 235 YELLOW

Scale W mc 5271 Dm Rd Seq. Alt. +.10 P. C

	Sc.1	Sc.2				Sc.1	Sc.2		
1	4.6 4.7	B.				7	8.95 0⊥ 9.0 8.9 9.15 0⊥	-0.98	7.97
2	5.1 5.2	5.1	5.15	01	3.22	8.37	9.2 9.1 9.25 0⊥	-0.96	8.19
3	6.7 6.8	6.7	6.75	01	2.66	9.41:	10.0 9.9?	-0.97	8.98?
4	7.0 7.1	7.0	7.05	10	2.60	9.65	7.		
5	7.6 7.7	7.7	7.70	00	2.51	10.21			
6	8.0 8.1	8.1	8.10	00	2.50	10.60			
7	7.	8.3 8.4	8.35	10	2.51	10.86			
8		8.6 8.6	8.60	00	2.53	11.13			
9		8.7 8.8	8.75	10	2.54	11.29			
10		8.7 8.9	8.80	11	2.55	11.35			
11		8.9 9.0	8.95	10	2.56	11.51			
12		9.3 9.2	9.25	10	2.57	11.82			

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Friday, January 21, 1916

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Series 235 — YELLOW

Scale W mc 52/21 R Tur. Trin. Alt. +.07 P.C.

	Sc.1	Sc.2				Curve	Magn. Sc.1	Sc.2			
a	4.8 4.9	B						9.10 9.1	9.1 oo	-0.96	8.14
c	6.6 6.1	6.0		6.05	10	2.87	8.92	7 9.7 7			
f	5.7 5.8	5.6		5.70	11	3.00	8.70	9.70 9.7	9.7 oo	-0.95	8.75
d	6.7 6.8	6.4	6.6	6.62	12 ±0	2.68	9.30	7. 7.			
e	6.8 6.9	7.0		6.95	10	2.61	9.56	7.			
f	7.4 7.5	7.4		7.45	10	2.53	9.98				
g	7.8 7.9	7.8		7.85	10	2.50	10.35				
k	7.	8.7	8.7	8.70	oo	2.54	11.24				
l		8.3	8.3	8.30	oo	2.51	10.81				
l		9.1	8.9	9.00	11	2.51	11.57				
m		9.2	9.3	9.25	01	2.51	11.82				
n		9.8	9.8	9.80	oo	2.56	12.36				
o		9.8	9.7	9.75	01	2.56	12.31				
p		7.	7.								
q											
r											
s											
Var.		7.8				2.50	10.30				

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b ofied Bk 22:4.

Series 231 YELLOW

Scale W m c 5273 R Draconis Alt +.09 P.C.

		Sc.1	Sc.2			Sc.1	Sc.2		
	α	Off plate				.	.		
	β	B.				6.9 7.0	6.95 01 6.9	.	
(*Wrong unit.)	γ	B				7.7 7.8	7.80 00 *7.8	-1.22	6.58
	a	B.				7.8 7.9	7.90 00 7.9	-1.20	6.70
9m. foor. E.	d	.		curve magn.		7.	8.35 01 8.48.3	-1.08	7.27
	e	2.3? 2.4?	B.	.		7.	8.45 01 8.485	-1.06	7.39
	f	B.	B.	.			8.20 11 8.38.1	-1.12	7.08
9m. foor. 2.	e	.	.	.			8.9	-0.99	7.91
	g	5.2 5.3	5.4 5.35 10	3.14	8.49		9.3	-0.96	8.34
	β	4.7 5.0	B.	3.28	8.28				
	h	6.7 6.8	6.7 6.75 01	2.65	9.40				
	h'	7.0 7.1	7.0 7.03 100	2.60	9.63				
	k	6.8 6.9	6.8 6.85 10	2.63	9.48				
	l	7.5 7.6	7.8 7.70 11	2.51	10.21				
	m	7.8 7.9	7.8 7.83 100	2.50	10.33				
	n	8.0 8.1	8.0 8.05 10	2.50	10.55				
	n'	7.	8.3 8.30 00 8.3	2.51	10.81				
	o		8.5 8.6 8.55 10	2.52	11.07				
	o'		9.1 9.3 9.20 11	2.57	11.77				
	p		9.0 8.7 8.85 21	2.55	11.40				
	q		9.7 9.9 9.80 11	2.56	12.36				
(*Wrong image meas. first.)	r		10.0 ~~10.3~~ 10.05 00	2.54	12.54?				
	s		7. 7.						
	u		7.						
	t								

Var. B. 8.86

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Friday, January 21, 1916

Series 235 YELLOW Sheet. Plot no 277

Scale W m e 5273 Ref Seq. Alt +.09 T.C.

	Sc.1	Sc.2			Sc.1	Sc.2		
1	B.	B.				7.7	-1.20	6.70
2	See	↑ preceding page						
3	4.7 4.8	B.				9.0 9.0 (9.00 00)	-0.97	8.03
4	4.1 4.2	B.				8.8 8.9 (8.85 01)	-1.00	7.85
5	6.3 6.4	6.4 6.5 (6.43 001)	2.75	9.18		10.0? 10.0? (10.00? 00)	-0.98	9.02?
6	5.6 5.7	5.4 (5.55 12)	3.05	8.60		9.4 9.3 (9.35 01)	-0.95	8.40
7	5.6 5.4 5.5	5.1 (5.43 3 13)	3.10	8.53		9.3 9.4 9.7 (9.47 2 12)	-0.95	8.52
8	7.7 7.8	7.8 (7.80 00)	2.50	10.30		7. 7.		
9	7.6 7.7	7.7 (7.70 00)	2.50	10.20		7.		
10	7.	8.7 8.7 (8.70 00)	2.54	11.24				
11	7.	8.9 8.8 (8.85 10)	2.55	11.40		8.9		
12		9.7 9.6 (9.50 11)	2.57	12.07		9.7		
13		9.7 9.8 (9.75 10)	2.56	12.31				
14		7. 7.						
15								
16								
17								
18								
19								
20								

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Series 235 YELLOW

Scan W mc 5274 m 13 Alt. + 11 Pc

	Sc 1	Sc 2					Sc 1	Sc 2
a								
b	8.7	8.7	8.70	.00	2.54	11.24		7
c	9.0	9.0	9.00	.00	2.57	11.57		
d	9.9	9.8	9.85	.10	2.56	12.41		
e	7							
f								
g								

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Series 235 **YELLOW**

Scale W Fnc 5274 m 13 Ref Seq: alt. +.11 pc

	Sc.1	Sc.2			Sc.1	Sc.2			
(Wrong unit) 1	B.	B.		curve	Magw.	7.	*8 9.1 8.2	8.15 10	-1.13	7.02
2	5.0 5.1	B.		3.23	8.33		9.0 9.0	9.00 00	-0.97	8.03
3	4.7 4.8	B.		3.35	8.15		9.2 9.1	9.15 01	-0.96	8.19
4	5.2 5.3	5.0	5.15 12	3.22	8.37		9.7 9.7	9.70 00	-0.95	8.75
5	5.7 5.8	5.7	5.75 01	2.98	8.73		9.5 9.5	9.50 00	-0.95	8.55
6	6.0 6.1	6.1	6.10 00	2.85	8.95		9.7		-0.95	8.75
7	5.5 5.6	5.0	5.				9.3		-0.95	8.35
8	6.6 6.7	6.7	6.70 000 6.7	2.67	9.37		10.0?		-0.98	9.02?
9	6.9 7.0	6.8	6.90 11	2.61	9.51		7.			
10	7.8 7.9	7.9	7.90 00	2.50	10.40		7.			
11	7.	9.1	9.00 11 8.9	2.56	11.56					
12		8.7	8.70 00 8.7	2.54	11.24					
13		9.6	9.45 21 9.3	2.57	12.02					
14		10.0	9.95 01 9.9?	2.54	12.49?					
15		9.8	9.90 11 10.0?	2.54	12.44?					
16		7.								
17										
18										
19										
20										

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Series: 235 YELLOW

Scale W 4mc 5275 P Camel. alt. +.03 P.E.

		Sc.1	Sc.2			Sc.1	Sc.2			
Edge	α					7.9 8.0	8.1	8.05 01	-1.16	6.89
	β	B.	B.			7.0 7.1	6.9	7.00 11	.	.
	γ	off plate				.	.	.	.	.
Too poor (*wrong image mea)	a	.				8.0 8.1	8.0	8.05 10	-1.16	6.89
Too poor	a′	.	.			7.	~~8.0~~ 9.7	9.80 11	-0.96	8.84
Edge	f	.	.				9.0	9.00 00	-0.98	8.02
Im. poor,	c	6.1 6.2?	6.2?	6.20? 00	2.83	9.03?	9.9	9.9 3	-0.96	8.94
	d	7.1 7.2	7.1	7.15 01	2.58	9.73	7,			
	e	6.9 7.0	7.0	7.03 001	2.59	9.62				
	f	7.7 7.8	8.0	7.90 11	2.50	10.40				
	f′	X	8.7	8.75 10	2.54	11.29				
	g		8.3	8.30 00	2.51	10.81				
	g′		8.9	8.90 00	2.56	11.46				
	h′		9.9?	9.9? 00	2.55	12.45?				
	k		7.	7.	.					
	l		10.0	10.0 8 7.	2.53	12.53				
	m		7,							
	n									
	o									
	p									
	q									
	r									

Var.

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WOLBACH 23

YELLOW

Scale W mc 5275 Ref Seq. alt. +.03 pe.

	Sc 1	Sc 2		curve	magn.	Sc 1	Sc 2			
1	B.					7.98.0	8.0	8.00 00	-1.17	6.83
2	B.					7.98.0	8.0	8.00 00	-1.17	6.83
3	4.1	>4.2?	B.			7.	8.7	8.70 00	-1.01	7.69
5.67	5.4	5.651	5.48 22 5 0	5.0 5.5	3.08	8.56	9.2	9.20 00	-0.96	8.24
	5	5.7 5.8	5.65 21	5.5	3.02	8.67	9.6	9.55 01	-0.95	8.60
	6	6.2 6.3	6.10 22	5.9	2.85	8.95	9.8		-0.96	8.84
5.9 6.0	7	6.3 6.4	6.05 04 02	6.0 5.8	2.87	8.92	9.5		-0.95	8.55
	8	7.7 7.8	7.75 01	7.7	2.50	10.25	7.			
	9	7.7 7.8	7.85 01	7.9	2.50	10.35	7.			
	10	7.2 7.3	7.35 10	7.4	2.54	9.89				
	11	7.		8.7 8.6 8.65 10	2.53	11.18				
	12			9.0 9.2 9.10 11	2.57	11.67				
	13			9.6 9.6 9.60 00	2.57	12.17				
	14			9.8 9.9 9.85 01	2.55	12.40				
	15			9.9 9.9 9.90 ?00	2.55	12.45?				
	16			7. 7						
	17									
	18									
	19									
	20									

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Series 235 YELLOW

Scan W mc 5276 Pol. P.C.

	Sc.1	Sc.2		Sc.1	Sc.2	
5	B.			7.5 7.6	7.8	7.70 1
6	B.			8.0 8.1	8.1	8.10 00
8	4.3 4.4	B. 4.4			8.9	9.0 8.95 1 0
9	5.3 5.4	5.5 5.45 01			9.6	9.7 9.65 01
10	5.7 5.8	5.8 5.80 00			9.9	10.0 9.95 1 0
11	6.7 6.8	6.8 6.80 00			7.	
12	6.8 6.9	6.8 6.85 1 0				
13	7.3 7.4	7.5 7.45 01				
14		7.8				
15		8.1				
16		8.1				
17		8.3 8.4	8.35 1 0			
18		8.8 8.8	8.80 00			
19		9.1 9.0	9.05 1 0			
20		9.5 9.6	9.55 1 0			
21		9.7 9.9	9.80 1 1			
22		7.				
23						

(30 = out)

2.34

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Wednesday, January 26, 1916

1.45 mc Series 472 YELLOW Sheet no. 277

Scale W mc 8098

Diff.		Sc.1	Sc.2	P.151 mc 8103 ↓		mean				g Sc.2	Sc.2	Sc.1			P.E. Sc.2	Sc.2	P.151	Diff.
	5									7.90 00	P.151							
	6	7.00 f. cor.		B.						7.9	7.9	7.85	7.88	02 03	8.4	8.3	8.350 1	−1.92
+3.28	8	4.7	4.8	B.	48	47	4.75	01		8.70 00								
2.76	9	6.0	6.1	6.1	6.10 00	5.85	6.98	12 13		8.7	8.7	8.50	8.60	10 10	8.9	9.0	8.95 10	1.97
2.53	10	6.3	6.4	6.3	6.35 01	6.35	6.35	00 00		9.75 10								
2.34	11	7.0	7.1	7.1	7.10 00	6.95	7.02	08 07		9.7	9.8	9.65	9.70	05 05	9.9	9.9	9.900 0	−1.87
2.33	12	7.2	7.3	7.3	7.30 00	7.20	7.25	05 05		7.	7.				7.			
2.16	13	7.9	8.0	8.0	8.00 00	7.85	7.92	08 07				Diff.						
2.09	14	7.		8.3	8.25 10	8.2	8.05	8.15	10 10			5	−1.45					
1.921	15			8.8	8.75 01	8.7	8.70	8.72	03 02			6	1.62					
2.04	16			8.9	8.90 00	8.9	8.90	00 00				8	1.67					
2.02	17			9.2	9.15 01	9.1	8.90	9.02	13 12			9	.					
1.76	18			9.7	9.70 00	9.7	9.90	9.80	10 10									
2.04?	19			7.			9.90?	9.90?	.0									
	20			Diff														
	21			5														
	22			6														
	23			8														
	24			9														
				10														
				11														
				12														
				13														
				14														
				15														
				16														
				17														
				18														

(10 m out)

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Inc Series 472 YELLOW

Scan W Inc 8099 a2 g b alt. +.08 PC.

	Sc.1	Sc.2				Sc.2	Sc.2		
1	B					7.8	7.8	780 00	-1.48 6.32
2	B.					8.3	8.2	8.25 10	-1.56 6.69
3	B.					7.00	~~7.0?~~ 7.7?		-1.46 6.24?
4	Edge								
5	Edge					7.00	floor		
6	Edge.					"	"		
7	No star 7.						No star 7.		
7a	3.7 3.8		B.			8.9	9.0	8.95 10	-1.64 7.31
8	No star 8					~~7.~~	No star 8		
8a	5.7 5.8	5.70 11	5.6	2.84	8.54	7	7.		
8b	5.8 5.9	5.80 11	5.7	2.81	8.61				
9	5.7 6.0	5.95 01	5.9	2.74	8.69				
10	5.9 6.0	5.90 11	5.8	2.77	8.67				
11	6.7 6.8	6.70 11	6.6	2.48	9.18				
12	7.3 7.4	7.40 00	7.4	2.28	9.68				
13	6.7 6.8	6.75 01	6.7	2.47	9.22				
14	7.7 7.8	7.85 01	7.9	2.16	10.01				
15	7.8 7.9	7.85 10	7.8	2.16	10.01				
16	7.8 7.9	7.90 00	7.9	2.15	10.05				
17			7.7	2.20	9.90				
17a			9.1	1.98	11.08				
18			7.						
19		9.75 01	9.8	9.7	1.92	11.67			
20		9.30 00	9.3	9.3	1.96	11.26			
21		9.90 00	9.9	9.9	1.92	11.82			
21a		9.20 00	~~9.2~~ 7.1	9.2	1.97	11.17			
21b		9.9. ?	7.	9.9	1.92	11.82			
22			7	7					

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Wednesday, January 26, 1916

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mc Series 472 **YELLOW**

Scale W mc 8100 7 Virginis g h alt. 00 P.C.

	Sc.1		Sc.2				Sc.2	Sc.2 *			Sc.2	
	3.3 3.2	3.4 3.3?	B.		curve	magn.	8.5	8.7	8.60 ⊥1	-1.61	6.99	8.8 -1.95 6.85
a	7 00 poor				·	·	8.3?	8.4	8.35? ⊥0	-1.58	6.77	8.7 -1.94 6.76
c	3.9	4.0			·	·	8.8	8.7	8.75 01	-1.62	7.13	9.0 -1.96 7.04
d	4.9	5.0	B.		3.11	8.11	9.0?	9.0?	9.00? 00	-1.65	7.35?	9.6? -1.90 7.70?
e	4.9	5.0	B.		3.11	8.11	8.9?	9.3	9.10? 00	-1.66	7.44?	9.4 -1.92 7.48
g	6.0	6.1 6.05 10	6.0		2.71	8.16	Hazy + faint					7.
f	6.2	6.3 5.93 4⊥2	5.8	5.7	2.78	8.71	Hazy + faint.					7.
f'	6.7	6.8 6.75 01	6.7		2.48	9.23	7.					
h	6.8	6.9 6.90 00	6.9		2.42	9.32						
k	7.1	7.2 7.15 01	7.1	8	2.35	9.50						
l		7.10⊥1	7.0	7.2	2.35	9.45						
l'			7.7		2.20	9.90						
l²			7.9		2.15	10.05						
l³			8.3		2.08	10.38						
n		8.40 00	8.4	8.4	2.07	10.47						
Defective? m		·	·	·	·	·	·	·	·	·	·	·
o		8.95 01	9.0	8.9	2.00	10.95						
p		9.15? 21	9.0?	9.3	1.98	11.13?						
q		9.17 1 1 3	9.3	9.3	8.9	1.97	11.14					
r.		9.75 ⊥0	9.7	9.8	1.92	11.67						
Var			7.50 00 7.5		7.5	2.25	9.75					

Faint stars hazier than bright ones.

*All diff. images unusually hazy. Do not combine well.

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Wednesday, January 26, 1916

b opied Bk 21: 82-83

Mc Series 472. YELLOW

Scale W Mc 8101 ,, Virginis g h alt. +.03 P.C.

	Sc.1		Sc.2			Sc.2	Sc.2			Sc.2	
1	3.7	3.8	B.	curve magn.		8.7	8.8	8.70 00	-1.63	7.08	8.9 -1.95 6.95
2	3.6	3.7	B	.		9.2	8.9	9.0521	-1.66	7.39	9.3 -1.94 7.36
3	6.7	6.8	6.7501	6.7	2.47	9.22	10.0	?10.0?	10.00'00	.	7.
4	7.1	7.2	7.20 00	7.2	2.34	9.54	7	7.			
5	7.7	7.8	7.75 01	7.7	2.20	9.95	7.				
6	7.7	7.8	7.85 01	7.9	2.17	10.02					
7	7.8	7.9	7.90 00	7.9	2.16	10.06					
8			8.45 01	8.4	8.5	2.06	10.51				
9			8.50 00	8.5	8.5	2.04	10.54				
10			8.85 01	8.7	8.9	2.00	10.85				
11			~~8.90~~ 9.05 21	8.8	9.1	1.98	11.03				
12			9.50 00	9.5	9.5	1.94	11.44				

(*Wrong unit first)

Diffraction images and faint stars hazy.

N.B. Mc 8102 omitted; sufficient number of yellow stars for T. S. and P.S. Mrs. Maj. have been measured.

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Wednesday, January 26, 1916.

Mc. Series 472 YELLOW

Sc.a W	Mc 8103 : Pole.			g		P.C.
	Sc.1	Sc.2		Sc.2	Sc.21	Sc.2
(*Wrong image first meas.) 5	B.	B.		7.9	*~~8.2~~ 7.8 7.85 10	8.3
6	B.			8.7	8.3 8.50 22	9.0
8	4.6 4.7	B.	4.1	9.8	*9.8 9.5 9.6 9.75 21	9.9
9	5.8 5.9	5.8	5.85 10	7	7.	7
10	6.3 6.4	6.3	6.35 01	7.		
11	6.9 7.0	6.9	6.950 1			
12	7.1 7.2	7.2	7.20 00			
13	7.8 7.9	7.8	7.85 10			
14	8.0 8.1	8.0	8.05 10			
15	7.	~~8.70 00~~ 8.7	8.7 8.7 8.70 00			
16		8.9	8.9 8.90 00			
17		8.9	8.9 8.90 00			
18		9.9	9.9 9.90 00			
19		10.0? 7	9.8 9.90 11			
20		7.				
21						
22						

Diffraction images and faint stars hazy.

(20 m out)
3.55

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Thursday, January 27, 1916

2.14 mc Series 472 YELLOW Sheet no. 278

Scale W mc 8103 Pole.

Diff.		Sc.1		Sc.2	mc 8109 P. 159		Sc.3	Sc.4		Diff	Sc.2
	5	B.					7.8	7.9	7.90 7.88 02 02	-1.45	8.3 8.4 8.35 10
+4.58	6	Too poor.			24?	24? a.	8.7	8.6	8.75 8.70 05 05	-1.72	8.9 8.9 8.90 00
3.23	8	4.7	4.8	B.	4.8	4.80 00	9.7	9.8	9.65 9.70 05 05	-1.61	9.8 10.0? 9.9? 11
2.82	9	5.9	6.0 5.90 1	5.8	5.95	5.92 03 03	7.	7.			7.
2.48	10	6.4	6.5 6.35 1	6.2	6.45	6.40 05 05					
2.34	11	6.9	7.0 7.00 00	7.0	7.05	7.02 03 03					
2.33	12	7.2	7.3 7.20 1	7.1	7.30	7.25 05 05					
2.18	13	7.7	7.8 7.80 00	7.8	8.00	7.90 10 10					
2.14 1.94	14	8.	8.1 8.10 01	8.2 8.0	8.10	8.10 00 00					
1.94	15	7		8.7 8.7	8.70	8.70 00 00					
2.12	16			8.9 8.8	8.80	8.82 03 03					
2.09	17			8.8 8.8	9.10	8.95 15 15					
1.76	18			9.8 9.8	9.80	9.80 00 00					
1.94?	19			7. 7.	10.0?	10.0 a.					
	20										
	21										
	22										
	23										
	24										

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Thursday, January 27, 1916

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mc Series 472 — YELLOW

Scale W mc 8104 Gal. Pole. g h alt. +.12 P.C.

	Sc.1		Sc.2				Sc2	Sc.2			Sc2	Sc.2
A	2.7 2.8						8.7	8.7	8.70 00	-1.64 7.06	8.9	9.0 8.95 10 -1.90 7.05
1	3.5 3.6			B.	3.94 +4.36	7.54 7.96	8.8	8.7	8.75 01	-1.65 7.10	9.1	9.0 9.05 10 -1.90 7.15
1a	5.5 5.6	5.37 22 1	5.2	5.3	3.02	8.39	9.9	9.7	9.80 11	-1.69 8.11	7.	
2	6.2 6.3	6.30 00	6.3		2.61	8.91	7	7.				
2a	6.8 6.9	6.80 11	6.7		2.44	9.24						
3	7.7 7.8	7.75 01	7.7		2.20	9.95						
3a	7.9 8.0	7.95 01	7.9		2.17	10.12						
4	7.		8.35 10 8.3 8.4		2.10	10.45						
5			9.00 00 9.0 9.0		2.00	11.00						
5a			9.60 00 9.6 9.6		1.94	11.54						
6			9.75 01 9.8 9.7		1.93	11.68						
7			7. 7.									

This plate, with the exception of the second measures for P.C.'s and faint stars, was measured without superposing. As there seems to be no systematic difference, I have not remeasured it.

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mc Series 472 YELLOW

Scale W mc 8105 R Virginis h alt. +.07 PC.

	Sc.1		Sc.2			Sc.2	Sc.2			Sc.2		
a	7.00 poor.					7.00 poor.				8.6	-1.91	6.69
c	3,3 3.4			-4.05	7.45	8.5	8.7 8.60 11	-1.62	6.98	8.9	-1.90	7.00
f	3,3 3.4			4.05	7.45	8.5	8.5 8.50 00	-1.61	6.89	8.7	-1.90	6.80
d	3.7 3.8?			3.83	7.63?	8.7	8.7 8.70 00	-1.64	7.06	9.0	-1.90	7.10
e	4.7 4.8		B.	3.18	7.98	8.9	9.1 9.00 11	-1.67	7.33	9.6	-1.87	7.73
f	5.0 5.1		B.	3.13	8.23	9.3?	9.2 9.25 10	-1.69 -1.70	7.55	9.7	-1.86	7.84
g	5.8 5.9	5.85 10	5.8	2.81	8.66	7.00 hazy				9.8	-1.86	7.94?
k	6.4 6.5	6.50 00	6.5	2.53	9.03	"	"					
h	6.0 6.1	6.05 10	6.0	2.72	8.77	10.0?	9.8? 9.90? 11	-1.68	8.22			
m	7.0 7.1	7.10 00	7.1	2.34	9.44	7.7						
n	7.3 7.4	7.40 00	7.4	2.27	9.67							
l	6.8 6.9	6.80 11	6.7	2.43	9.23	7						
o			8.35 10 8.3 8.4	2.09	10.44							
p			8.65 01 8.6 8.7	2.04	10.69							
q			8.70 00 8.7 8.7	2.03	10.73							
r			8.85 01 8.8 8.9	2.01	10.86							
s			7.7.									
t												
u												
w												
Var.			B.				8.9 8.95 10 9.0	-1.66	7.29	9.5	-1.88	7.62

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Thursday, January 27, 1916

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mc Series 472 YELLOW

Scale W mc 8106 m 3 Alt. +.12 P.C.

	Sc.1		Sc.2	curve	mag.	Sc.2	Sc.2			Sc.2		
α	5.0	5.1	B.	3.13	8.23	9.9	9.8	9.85	10	-1.69	8.16	10.0?	-1.84	8.16?
β	7.1	7.2	7.25 01	7.3	2.30	9.55	7.					7.		
γ	7.9	8.0	8.05 01	8.1	2.13	10.18								
δ	7.			9.35 01										
				9.4	9.3	1.97	11.32							
ε				7	7.	.	.							
				9.50 12										
ζ				9.6	9.4	1.95	11.45							
η				7.	7.	.								
a			7.											
b														
c														

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Thursday, January 27, 1916

Series 472 YELLOW

Scale W Inc 8106 M3 Ref. Seq. Alt. +.12 P.C.

	Sc1		Sc2				Sc.2	Sc2			Sc.2	
A	7.00 poor		B	curve magn.			9.0	8.9 8.95 01	-1.66	7.29	9.1 -1.90	7.20
B	4.8 4.9		B	3.22	8.12		9.5	9.9 9.70 ±2	-1.69	8.01	9.9 -1.86	8.04
1	6.1 6.2	6.25 01	6.3	2.66	8.91		7				7.	
1a	6.8 6.9	6.85 10	6.8	2.42	9.27		7.					
3	7.7 7.8	7.85 01	7.9	2.19	10.04							
5	7.7 7.8	7.75 01	7.7	2.20	9.95							
2	7.8 7.9	7.80 11	7.7	2.19	9.99							
4			7.95 10 7.9 8.0	2.16	10.11							
4a			8.75 10 8.7 8.8	2.03	10.78							
4B			9.20 11 9.3 9.1	1.99	11.19							
6			9.75 10 9.7 9.8	1.94	11.69							
7			7 7.									
8			7.									

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Series 472

YELLOW

Scale W mc 8107 α Bootis g h alt. +.10 P.C.

	Sc.1		Sc.2			Sc2	Sc.2				Sc.2		
1	B.		B.	curve magn.		8.2	7.9	8.05	21	-1.54	6.51	8.7	-1.90	6.80
2	3.2	3.3	B.	.		8.9	8.8	8.85	10	-1.66	7.19	9.1	-1.90	7.20
3	5.7	5.8 5.75 01	5.7	2.84	8.59	7.	7.					10.0 ?	-1.84	8.16 ?
4	6.2	6.3 6.25 10	6.2	2.65	9.90							7.		
5	7.4	7.5 7.55 10	7.6	2.23	9.78									
6	7.9	8.0 8.00 00	8.0	2.15	10.15									
7	7.		8.4	2.09	10.49									
8			8.8 8.85 01 8.9	2.01	10.86									
9			8.9 8.95 10 9.0	2.00	10.95									
10			9.0 9.15 21 9.3	2.00	11.15									
11			9.2 9.25 10 9.3	1.98	11.23									
12			9.9 9.95 10 10.0	1.92	11.87									

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InC Series 472 YELLOW

Scale W InC8108 R Camel g h Alt. +.04 P E

	Sc.1		Sc.2			Sc.2	Sc.2			Sc.2		
α	Too poor					8.9 (8.8)	8.8	8.85[10]	-1.66	7.19	8.9	-1.90	7.00
β	B.		B.			Too poor,	.				7.7	.	.
γ	Too poor			curve mags.		9.1	9.0	9.05[10]	-1.67	7.38	9.3	-1.90	7.40
a	1.6[1.7]					8.4	8.4	8.40[00]	-1.60	6.80	8.9	-1.90	7.00
a'	6.3[6.4]			2.58	8.98	7	7	.	.	.	7.	.	.
f	5.4[5.6]		B.	2.96	8.46	7 (9.9)	7.	9.9[a]	-1.69	8.21			
c	6.8[6.9]	6.80 1	6.7	2.43	9.23	7							
d	7.4[7.5]	7.55 10	7.6	2.23	9.78								
e	7.1[7.2]	7.20 00	7.2	2.30	9.50								
f	8.0[8.1]	8.10 00	8.1	2.13	10.23								
f'			8.9	2.00	10.90								
g			8.7	2.03	10.73								
h			9.0	2.00	11.00								
h'			7.	.									
k			9.4	1.96	11.36								
l			7										
m			7										
n													
o													
p													
q													
r													

Var.

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Thursday, January 27, 1916

mc Series 472 YELLOW

Scale W	mc 8109 Sc.1	Sc.2	Poe	P. C. Sc.2
5	B.			8.4
6	2.3? 2.4?		2.4? a.	8.9
8	4.7 4.8	B.	4.8 a	10.0?
9	5.7 5.8	6.1	5.95 ± 1	7.
10	6.2 6.3	6.6	6.45 ± 2	
11	6.9 7.0	7.1	7.05 01	
12	7.2 7.3	7.3	7.30 00	
13	7.9 8.0	8.0	8.00 00	
14	7.8 7.9 7.9 8.0	8.3 8.2	8.10 ~~2~~ ± 21	
15	7.	8.7 8.7	8.70 00	
16		8.8 8.8	8.80 00	
17		9.1 9.1	9.10 00	
18		9.8 9.8	9.80 00	
19		10.0? 7.	10.0? a.	
20		7.		
21				
22				
23				
24				

4.75

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Thursday, January 27, 1916

mc Series 47.2 YELLOW

Scale W mc 8109 b

Sc	g	g.2	
5	7.9	7.9	7.9000
6	8.8	8.7	8.7501
8	9.5	9.8	9.6512
9		7.7	
10			
11			
12			
13			

4.19

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1915phae.proj.1045M

Saturday, January 29, 1916

11.18 | Mc Series 221 | YELLOW | Sheet no. 278

Scale W | Mc 5090 | Pole | P.E.

	Sc.1	Sc.2	Mc 5101 P.171	Meaw		Diff.	Sc.2	P.171 Meaw	Diff.
5	B.						8.0 8.1	8.15 10	
6	6.00 door.						8.2	7.95 8.05 10 10	-1.62
8	4.8 4.9	B.		4.7	4.80	1 1	+3.23	8.601 1	
9	6.1 6.2 6.20 00	6.2		5.85	~~6.98~~ 6.05 6.02	~~18~~ ~~17~~ 17	2.72	8.7 8.5	8.45 8.52 08 07 -1.54
10	6.6 6.7 6.650 1	6.6		6.25	6.45	20 20	2.43	9.9 ~~9.00~~ *	9.00 9.45 ~~45~~ 45 -1.42
11	6.9 7.0 7.050 1	7.1		6.95	7.00	05 05	2.36	7. 7	9.85 9.85. ≙ -1.11
12	7.2 7.3 7.30 00	7.3		7.15	7.22	08 07	2.36	7. 7	10.00? 10.00. ≙ -1.12
13	7.9 8.0 8.00 00	8.0		7.90	7.95	05 05	2.13		
14	8.0 8.1 8.15 1 0	8.2		8.00	8.08	07 08	2.16		
15	7.	8.7	8.70 00 8.7 8.7	8.30	8.50	20 20	2.14		
16		8.9	8.90 00 8.9 9.0	8.75	8.82	08 07	2.12		
17		9.0	9.00 00 9.0 9.0	8.70	8.85	15 15	2.19		
18		9.9	9.85 10 9.9 9.8	9.10	9.48	~~43~~ 37 38	2.08		
19		7.	7	9.50	9.50	. ≙	2.44		
20									
21									
22									

Remeas. Mar 8, 1916.

sc 7

6 8.7

8 9.7 * Reject this measure. Certainly wrong, wrong image measured?

5 8.1 G. H. M. Mar. 8, 1916.

End of curve redrawn, ∴ changes in readings on fole. pages.

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Saturday, January 29, 1916

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mc Series 221 YELLOW

Scale W	* mc 5092	S Bootis	Alf. t. 12		Pc.			
	Sc. 1	Sc. 2				Sc. 2		
α	B.		curve	magn.	7.7 7.8	7.8	780.00	-1.63 6.17
a	B.		.			8.7	8.70.00	-1.49 7.21
a'	B.		.			8.3	8.30.00	-1.55 6.75
a²	B.		.			8.9	8.90.00	-1.45 7.45
b	700 door.		.			9.1	9.05.10	-1.452 7.63
b'	5.0 5.1	B.	3.05	8.15	.	9.7	9.75.10	-1.20 8.55
c	4.8 4.9	B.	3.17	8.07		9.6		-1.25 8.35
d	700 door.		.	.		9.9		-1.14 8.76
e	5.9 6.0	5970.82 6.1 5.8	3.66	8.63		7.		
f	7.1 7.2	7.35 ±1 7.5	2.29	9.64				
f'	700 door.		.	.				
g	7.8 7.9	7.8 7.85 10	2.20	10.05				
h	8.0 8.1	8.3 8.20 ±1	2.17	10.37				
k	7.	8.7 8.6 8.65 10	2.14	10.79				
l		9.6 9.2 940.22	2.23 10	11.63 11.50				
l'		98? 99? 985?.01	.	.				
m		7.						
n								
o								
p								
q								
Var	5.2 5.3	B.	2.95			9.9		-1.15 8.75

* mc 5091 not measured. A sufficient number of plates for T S and P S Wrs. Mai. have been measured

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Saturday, January 29, 1916

Mc Series 221 YELLOW

Scale W Mc 5092 S Bootis Alt. +.12 P.C.

	Sc.1	Sc.2			Sc.1	Sc.2			
1	2.1 2.2				curve	Magn.	8.8 8.8	8.80 00	-1.46 ~~2.14~~ 7.34
1a	4.9 5.0	B.					9.9 9.9	9.90 00	
2	5.8 5.9	5.5	5.70	2	2.16	8.46	7 10.0?	10.0 1.2	
3	6.3 6.4	6.3	6.35	01	2.51	9.86	7 7.		
3a	6.8 6.9	6.8	6.85	10	2.38	9.23			
3b	7.	7.8							
4		7.6 7.7	7.65	01	2.23	9.88			
5		7.9 7.9	7.90	00	2.20	10.10			
5a		8.7 8.8	8.75	10	2.14	10.89			
5b		8.8 8.8	8.80	00	2.14	10.94			
6		9.1 9.0	9.05	10	2.16 2	11.17 ~~11.21~~ 6			
7		7.							

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mc Series 221 YELLOW

Scale W mc 50.93 RS Bootis alt. +.12 PE.

		Sc.1	Sc.2				Sc.1	Sc.2	Σ.2		
α	B.						79.80	795 01			
β	3.8 3.9										
γ	5.8 5.9	5.8	5.85	10	2.70	8.55					
δ	7.1 7.2	7.4	7.30	11	2.30	9.60					
ε	7.0 7.1	6.9	7.00	11	2.35	9.35					
ε'	7.1 7.2	7.3	7.25	01	2.30	9.55					
d	7.	8.5	8.5	8.50	00	2.15	10.65				
f		8.1				2.18	10.28				
e		8.1				2.18	10.28				
e'		9.0	9.1	9.05	01	2.16	11.21				
c		8.8	8.7	8.75	01	2.14	10.89				
g		9.7	9.8	9.75	10	2.09	11.84				
						2.10	11.55				
h		9.4	9.5	9.45	01	~~2.24~~	~~11.69~~				
k		99?	99?	990?	00						
l		~~7.9~~ 8.1	7.								
m											
n											
o											
p											
A	B						5.9	6.0	5.80	23	
									5.6		
B	B.						7.8	7.9	7.85	10	7.8 -1.62 6.23
Var.	7.8 7.9	8.0	7.95	10	2.20	10.15					

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Saturday, January 29, 1916

mc Series 221 YELLOW

Scale W mc 5097 14.30 +22.5 9.7m. Alt. +11

	Sc.1		Sc.2		curve	magw.	Sc2
1	4.9	5.0	5.2	5.10 11	3.05	8.15	7.
2	6.1	6.2	6.1	6.15 01	2.58	8.73	
3	6.9	7.0	7.3	7.15 21	2.31	9.46	
4	7.1	7.2	7.5	7.35 21	2.28	9.63	
5	7.7	7.8	7.8	7.80 00	2.20	10.00	
6	7.8	7.9	7.8	7.85 10	2.20	10.05	
7	7.9	8.0	8.0	8.00 00	2.20	10.20	
8			8.2	8.15 01 8.1	2.18	10.33	
9			8.7	8.60 11 8.5	2.14	10.74	
10			8.7	8.70 00 8.7	2.14	10.84	
11			8.8	8.80 00 8.8	2.14 3	10.94 3	
12			9.1	9.10 00 9.1	2.16 2	11.26 2	

All images elongated.

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Saturday, January 29, 1916

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mc Series 221 YELLOW

Scale W *mc 5096 08 Alt. -.10 Pc.

	Sc.1	Sc.2			Sc.1	Sc.2			
1.	Too poor					9.9 9.8 ?	9.85	.10 -1.18	8.67?
2	Too poor.		curve	Magn.		9.4 9.2	9.30	11 -1.36	7.94
3	2.7 ? 2.8 ?					8.9 9.1	9.00	11 -1.42	7.58
4	7.4 7					8.9 8.8	8.85	10 -1.46	7.39
5	4.8 4.9 4.8		490 00	3.16	8.06	9.9 9.8	9.85	10 -1.18	8.67
6	4.5 4.6	B.	46 a.	3.33	7.98	9.7		-1.22	8.48
7	5.0 5.1		5.1 a.	3.05	8.15	10.0		-1.11	8.89
8	4.6 4.7	B.	4.7 a.	3.28	7.98	9.6		-1.26	8.34
9	4.8 4.9	B.	4.9 a.	3.16	8.06	9.7		-1.22	8.48
10	5.8 5.9	5.7	5.80 11	2.72	8.62	10.0?		-1.11	8.89?
11	6.6 6.7	6.6	6.65 10	2.42	9.07	7.			
12	5.6 5.7	5.6	5.65 10	2.79	8.44				
13	5 5.2 5.3 4.1 5.2	B.	5.25 01	2.98	8.23				
14	7.6 7.7	7.7	7.70 00	2.23	9.93				
15		7.8		2.20	10.00				
16		7.7		2.23	9.93				
17		7.9		2.20	10.10				
18		8.7		2.14	10.84				
19		8.4		2.16	10.56				
20		8.4		2.16	10.56				
21		8.7		2.14	10.84				
22 (Wrong date first measured)		*9.5 8.7		10 2.26	60 11.76				
23		8.7		2.14	10.84				
24		8.7		2.14	10.84				
25		7.		.	.				
26		7.		.	.				
27									
28									

*mc 5095 dale Plate too poor to measure.

See formula

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Saturday. January 29, 1916

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mc Series 221 YELLOW

Scale W mc 5097 C8 Alt. +.10. Pc.

	Sc.1	Sc.2			Sc.1	Sc.2			
1	B.					8.3	8.3	8.30°° -1.56	6.74
2	B.		curve	magn.	7.	8.6	8.6	8.60°° -1.50	7.10
3	4.1? 4.2?		.			9.7	9.8	9.75^10 -1.21	8.54
4	B.		.			8.3	8.2?	8.25?^10 -1.56	6.69?
5	B		.	.		8.2	8.2	8.20°° -1.57	6.63
6	2.5? 2.6?		.	.		7.			
6a	Too faint		.			9.9	9.9	-1.15	8.75
7	4.5 4.6		3.33	7.93		7.	9.9		
8	4.3 4.4	B	.	.					
9	4.9 5.0	B	3.11	8.11					
10	6.7 6.8	6.7	6.75 01	2.40	9.15				
11	6.3 6.4	6.6	6.50 ±1	2.47	8.97				
12	5.6 5.7	5.7	5.70°°	2.76	8.46				
13	5.8 5.9	5.7	5.80^11	2.71	8.51				
14	6.8 6.9	6.8	6.85^10	2.39	9.24				
15	7.4 7.4 7.5	7.6	7.50 ±01	2.25	9.75				
16	7.7 7.8	7.8	7.80°°	2.20	10.00				
17	6.7 6.8	6.8	6.80°°	2.40	9.20				
18		7.9		2.20	10.10				
19		7.7		2.23	9.93				
20		7.4		2.27	9.67				
20a		8.1		2.19	10.29				
20b		8.3		2.16	10.46	Remeas. by O. July 11, 17.			
21		8.8	8.8 8.80°°	2.14	10.94	8.7			
22		9.6	9.7 9.65^01	~~2.35~~ .09	~~12.00~~ 11.74	9.4	} no error in orig. meas. of 22. 22 and 23 are of about same brightness. Prob. orig. meas of 23 9.2 too bright — accidental error.		
23		9.2	9.6 9.40^22	~~2.23~~ .10	~~11.63~~ 11.50	9.5			
24		9.7	9.9 9.80^±1	.	.				
25		9.9	10.0 9.95?^±0	.	.	All images elongated.			
26		7							

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Saturday January 29, 1916

Mc Series 221 YELLOW

Scale W Mc 5098 15+50 adj. +.12 P.C.

	Sc.1	Sc.2		Curve	Magn.	Sc.1	Sc.2		curve	Magn.
1	2.8 2.9?	B.					8.15 0.1	8.8 8.7	-1.48	7.27
2	5.6 5.7	5.6	5.65 1.0	2.80	8.45		9.90 0.0	9.9 9.9	-1.14	8.76
3	6.7 6.8 6.8 6.7	6.6	6.67 1.1	2.42	9.09			7.7		
4	6.9 7.0	6.9	6.95 0.1	2.36	9.31			7		
5	7.3 7.4	7.6	7.50 1.1	2.26	9.76					
6	7.7 7.8	7.7	7.75 0.1	2.22	9.97					
7	7.9 8.0	7.9	7.95 0.1	2.20	10.15					
8		8.3	8.25 1.0	2.17	10.42					
9		8.7	8.7 8.70 0.0	2.14	10.84					
10		8.9	8.885 1.0	2.14	10.99					
11		9.1	9.1910 0.0	2.17 11	11.27					
12		9.6	9.7 965 0.1	2.09 ~~2.05~~	11.74 ~~12.00~~					

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1015phae.proj.1045M

Saturday, January 29, 1916

mc Series 221 : YELLOW

Scale W mc *5100 5099 15 + 42.5 Alt. +.12 Pc

	Sc.1		Sc.2	curve	magw.	Sc.1	Sc.2
1	3.940		B.	·	·		9.0 8.9 8.950 1 -1.44 7.51
2	5.7 5.8	5.70 11	5.6	2.76 ~~3.59~~	~~8.29~~ 8.46		9.9 9.8 9.85 10 -1.17 8.68
3	6.3 6.4	6.50 11	6.6	2.41 ~~2.26~~	~~8.46~~ 8.91		7. 7.
4	7.3 7.4	7.50 11	7.6	2.25 ~~2.01~~	~~9.51~~ 9.75		
5	7.7 7.8	7.75 01	7.7	2.22 ~~1.98~~	~~9.73~~ 9.91		
6	7.9 8.0	7.95 01	7.9	2.20 1.95	9.90 10.15		
7	7.		8.4	2.16 1.90	10.30 10.56		
8			8.7	2.14 1.85	10.55 10.84		
9			8.85 01 8.8 8.9	2.15 1.83	10.68 11.00		
10			9.00 00 9.0 9.0	2.16 2 1.81	10.81 11.16 2		
11			9.30 00 9.3 9.3	2.10 ~~2.20~~ 1.79	11.09 ~~11.50~~ 11.4		
12			9.70 00 9.7 9.7	· 1.75	11.45 ·		
13			9.60 00 9.6 9.6	~~2.31~~ 10 1.77	11.37 ~~11.97~~ 70		

*This plate and the following measured out of order, but at the same time as the rest of the series.

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Saturday, January 29, 1916

mc Series 221 YELLOW

Scale W mc* 5099 15h+55

		Sc.1	Sc.2		curve		Sc.1	Sc.2	
1a	1	B.	B.		0			8.2	-1.58 6.62
1	2	6.3 6.4	6.2	6.30 11	2.52	8.82		7	
2	3	6.7 6.8	6.6	6.70 11	2.41	9.11		7	
3	4	7.1 7.2	7.1	7.15 01	2.31	9.46		7	
3a	5	7.5 7.6	7.5	7.55 01	2.25	9.80		7	
4	6	7.8 7.9	7.8	7.85 10	2.20	10.05		7	
6	7	7.8 7.9	8.0	7.95 10	2.20	10.15			
9	8	7.	8.3		2.16	10.46			
5			8.3		2.16	10.46			
	7		8.7	8.65 10 8.6	2.14	10.79			
	8		9.0	9.00 00 9.0	2.15 2	11.15 2			
	10		9.1	9.10 00 9.1	2.16 2	11.26 2			
	12		9.1	9.10 00 9.1	2.16 2	11.26 2			
	11		9.7	9.65 10 9.6	2.09 2.35	11.74 12.00			

* See note on preceding date.

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1015phae.proj.1045N

Saturday, January 29, 1916

Mc Series 221 YELLOW

Scale W	Mc 5101 Sc.1	Sc.2	Pola	P.C. Sc.1	Sc.2	
5	B			7.9 8.0	7.9	7.95 01
6	B.	B.			8.5 8.4	8.45 10
8	4.6 4.7	B.	4.7		9.0 9.0	9.00 00
9	5.8 5.9	5.8	5.85 10		9.8 9.9	9.85 01
10	6.2 6.3	6.2	6.25 10		10.0? 10.0?	10.00? 00
11	6.9 7.0	6.9	6.95 01		7.	
12	7.1 7.2	7.1	7.15 01			
13	7.8 7.9	7.9	7.90 00			
14	7.9 8.0	8.0	8.00 00			
15		8.3 8.3	8.30 00			
16		8.8 8.7	8.75 01			
17		8.7 8.7	8.70 00			
18		9.1 9.1	9.10 00			
19		9.5 9.5	9.50 00			
20		7				
21						
22						

(25 m out)
2.57

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Friday, February 18, 1916

10.05 Series 479 YELLOW Sheet no. 278.

Scale W mc 8218 Pole

	Sc.1		Sc.2			Sc.1		Sc.2		
5	B.			mc				8.6	8.6	8.35
6	700 door.		B.	8323 P.171		mean	Diff.	9.0	9.0	9.00
8	5.0	5.1			5.2	5.15 1 0	+2.88	4		9.95?
9	6.3	6.4	6.30 1 1	6.2	6.60	6.45 15 15	2.29	5	mean 8.48 12 13	+.205
10	6.7	6.8	6.7501	6.7	6.85	6.80 05 05	2.08	6	9.00 00 00	.202
11	7.1	7.2	7.2501	7.3	7.40	7.32 01 08	2.04	8	9.95?	≈ -1.92?
12	7.6	7.7	7.7000	7.7	7.50	7.60 10 10	1.98			
13	7.			8.1	8.15	8.12 02 03	1.96			
14	7.			8.30 00 8.3 8.3	8.35	8.32 02 03	1.92			
15				8.80 00 8.8 8.8	8.90	8.85 05 05	1.79			
16				9.10 00 9.1 9.1	9.15	9.12 02 03	1.82			
17				9.25 10 9.3 9.2	9.20	9.22 03 02	1.82			
18				9.75 10 9.7 9.8	9.90	9.82 01 08	1.74			
19				7. 7.						
20										
21										
22										
23										

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Series 479 YELLOW

Scale W me 8218 Pole (cont) P.e.

	g Sc.2		h Sc.2	P.178	mean		Diff.
5	8.1	8.10 00	8.1	8.10	8.10	00	-1.67
6	8.8	8.80 00	8.8	8.85	8.82	02 03	-1.84
7							
8	9.7	9.80 10	9.9	9.90	9.85	05 05	-1.82
9	7						
10	7						
11							
12							

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Mc Series 479 YELLOW

Scale W Mc 8219 T Virginis g h alt. 00 PC.

	Sc.1	Sc.2	curve	Magn.	Sc.2	Sc.2			Sc.2	
a	Too poor.				9.0	9.0	9.00 00	-1.81	7.19	9.2 -2.00 7.20
b	3.7 3.8				8.8	9.1	9.05 21	-1.81	7.24	9.5 -1.97 7.53
c	4.5 4.6?				9.6	9.7	9.65 01	-1.85	7.80	9.9 -1.91 7.99
d	5.1 5.2	B.	2.83	2.84	8.03	7.	7.			7.
e	5.6 5.7 5.65 10	5.6	2.62	2.61	8.17	7.				
f	6.8 6.9 6.80 11	6.7	2.18	2.40	8.98					
f'	7.4 7.5 7.45 10	7.4	2.02	2.26	9.47					
g	6.7 6.8 6.75 01	6.7	2.19	2.40	8.94					
h	7.4 75 7.45 10	7.4	2.02	2.26	9.47					
k	7.7 78 7.75 01	7.7	1.98	2.22	9.73					
l	7.7 78 180 00	7.8	1.97	2.20	9.77					
l'	8.0 81 8.00 11	7.9	1.94	2.20	9.94					
l²		8.7	8.65 10	1.86	2.14	10.51				
l³		9.0	9.00 00	1.81	2.15	10.81				
m		9.2	9.47 21	1.78	2.25	11.25				
n		9.5	9.55 10	1.77	1.78	11.32				
o		9.9	9.90? 00	1.74		11.64?				
p		7.								
q										
r										
Var.	7.4 7.5	7.6	7.55 10	2.01	9.56					

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Card.

mc Series 479 YELLOW

Scale W mc 8221 B5 — Alt. +.12 q. l. P.C.

	Sc.1		Sc.2		Sc.2			Sc.21		
1	B.		B.	curve magn.	8.2	8.0 8.10 11	-1.70	6.40	8.7	-2.04	6.66
2	.			.	9.1	9.1 9.10 00	-1.81	7.29	9.5	-1.98	7.52
3	4.7	4.8	B.	.	9.9	9.8 9.85 10 ?	-1.85	8.00?	10.0?	-1.90	8.10?
4	5.7	5.8 5.75 01	5.7	2.55 8.30	7.7.				7.		
5	5.7	5.8 5.75 01	5.7	2.55 8.30							
6	4.7	4.8 4.8 a	B.	. .							
7	6.8	69 6.85 10	6.8	2.17 9.02							
8	5.7	5.8 5.70 11	5.6	2.58 8.28							
9	6.7	6.8 6.75 01	6.7	2.20 8.95							
10 (wrong unit)	* 7	7.4 7.50 11	7.6	2.01 9.51							
10a	7.8	79 7.85 10	7.8	1.97 9.82							
11	5.8	59 5.85 10	5.8	2.52 8.37							
12	7.6	7.7 7.70 00	7.7	1.99 9.69							
13	7		8.5	1.88 10.38							
14	7.		8.7	1.85 10.55							
			8.45 12								
14a			8.9 8.6	1.84 10.59							
			8.40 00								
15			8.4 8.4	1.90 10.30							
			8.55 10								
16			8.5 8.6	1.87 10.42							
Too star 17	17 .		8.40 00	1.9a — 10.30							
	17a		8.4 8.4								
			9.00 11								
18			9.5 9.7	1.77 11.37							
Too Blurred	19 .		.	10.0? 1.74 11.74?							
20			7. 7.								
21											
22											
23											
24											
25											

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mc Series 479 YELLOW

Scale W mc 8222 D7 g f Alt. -.10 P.C.

		Sc.1	Sc.2			Sc.2	Sc.2		Sc.2
Im. poor.	1	.				Blurred.	curve magn.		9.3 9.4 -2.00 7.30
" "	2	.				9.4?	9.1? 9.25?[21]	-1.83 7.42	9.1 -2.01 7.09
" "	3	.		curve magn.		Blurred.	. .		9.6? -1.96 7.64?
	4	4.7[48]		B.	. .	9.7	9.8 9.75[10]	-1.85 7.90	9.9? -1.91 7.99?
	5	3.1[3.2]			. .	8.9	8.8 8.85[10]	-1.80 7.05	9.2 -2.00 7.20
" "	6	.			. .	8.9	8.8 8.85[10]	-1.80 7.05	8.9 -2.03 6.87
	7	4.6[4.1]		B.	. .	7.	7. . .		9.8 -1.93 7.87
	8	4.2[4.3]		B.	. .	9.5?	9.8 9.65?[12]	-1.85 7.80?	9.9 -1.91 7.99
	9	4.6[4.1]		B.	. .	10.0	9.9? 9.95?[01]	-1.85 8.10?	9.8 -1.93 7.87
	10	6.0[6.1] 6.15[10]		6.2	2.38 8.53	7.	7. .		7.
	11	4.7[4.8] 4.8[2]		B.	. .				7.
	12	6.9[9.0] 6.95[01]		6.9	2.13 9.08				
	13	7.3[7.4] 7.40[00]		7.4	2.03 9.43				
	14	6.4[6.5] 6.40[11]		6.3	2.30 8.70				
	15	7.6[7.1] 7.55[12]		7.4	2.00 9.55				
(Wrong unit)	16	6.8[6.9] 6.90[00]		*6.9	2.14 9.04				
	17	7.7[7.8] 7.80[00]		7.8	1.97 9.77				
	18			8.3	1.90 10.20				
	19			8.7 8.25[10]	1.85 10.55				
	20			8.2 8.2 9.55[10]	1.90 10.15				
	21			9.5 9.6 9.05[01]	1.78 11.33				
	22			9.0 9.1 9.00[00]	1.81 10.86				
	23			9.0 9.0 9.85[01]	1.81 10.81				
	24			9.8 9.9 9.90?[00]	1.74 11.59				
	25			9.9 9.9? 7.	1.74 11.64?				
	26								
	27								
	28								

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mc Series 479 YELLOW

Scale W	mc 8223		Poc	P.C.
	Sc.1	Sc.2		Sc.2
5	B.			8.3 8.4 8.35 ±0
6		B.		9.0 9.0 9.00 00
8	5.1 5.2 5.2	B.		10.0 9.9 9.950 1
9	6.4 6.5 6.60 ±1	6.7		7.
10	6.8 6.9 6.850	6.8		
11	7.3 7.4 7.400	7.4		
12	7.5 7.6 7.500 1 2	7.6 7.3		
13	8.0 8.1 8.150	8.2		
14	7.	8.350 1 8.4 8.3 8.900 00		
15		8.9 8.9		
16		9.150 1 9.2 9.1		
17		9.200 00 9.2 9.2		
18		9.900 00 9.9 9.9		
19		7.		
20				
23				
25				
26				
27				
28				
29				

Sm. door.

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Friday February 18, 1916

mc Series 479 YELLOW

Scale W

mc 8223

	g Sc.2		t Sc.2
5	8.1	8.15 00	8.1
6	8.9	8850	8.8
8	9.8	9901	10.0
9	7		7
10			
11			
12			
13			
14			

Pole (cont.)

(g mean t)
12.07

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Sheet no. 291.

11.25 — mc Series 479. (part 2) YELLOW

Scan W — mc 8223 — Pole — g — Pc

	Sc.1	Sc.2					Sc.2	
1							8.186	
2								
3							Off plate .18	1.8.2 -2.18
4			mc 8229 8.186				7.9	7.75 7.82 08 07 -1.96
5							8.6	8.60 8.60 00 00 -2.17
6						Diff.	8.9	9.0 8.95 10 -1.97
8	5.1 5.2	5.10 11	5.0	5.0	5.05 05 05	+2.98	9.9	† 9.9 2. -1.87
9	6.6 6.7	6.60 11	6.5	6.45	6.52 08 07	2.22	7.	
10	6.8 6.9	6.85 10	6.8	6.70	6.77 08 07	2.11		
11	7.4 7.5	7.55 10	7.6	7.50	7.52 03 02	1.84		
12	7.7 7.8	7.75 01	7.7	7.60	7.68 07 08	1.90		
13	8.0 8.1	8.15 10	8.2	8.10	8.12 03 02	1.96		
14	7.	8.55 10	8.5 8.6	8.30	8.42 13 12	1.82		
15		8.85 01	8.8 8.9	8.80	8.82 03 02	1.82		
16		9.15 10	9.1 9.2	9.05	9.10 05 05	1.84		
17		9.20 11	9.1 9.3	9.10	9.15 05 05	1.89		
18		9.90 00	9.9 9.9	9.90	9.90 00 00	1.66		
19			7.					
20								
23								
2								

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Saturday, March 18, 1916

Inc Series 479 YELLOW

Scale W g Mag 223 In Pole.

	Sc.2	Sc.2		Sc.2		
1	.					
2	.		mc 8229			
3	.		B.187	meau :	Diff.	
4	Too poor.					
5	8.20	8.10 11 8.0	8.00	8.05	05 05	-1.62
6	8.9	8.90 00 8.9	8.85	8.88	02 03	-1.90
7	.	.	.	.	.	.
8	9.7	~~9.85? 17~~ 10.0?	9.85	9.18	08 07	-1.75
9	7.	9.7 a .				
10						

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Mc Series 479 YELLOW

Scale W Mc 8224 13.24 −10.6 α ~~Bootes~~ Virginis g h Alt. −.05 P.C.

	Sc.1	Sc.2	curve	Magw	Sc 2	Sc 2			Sc. 2		
1	4.9 50	B.	3.00	8.00	9.8	9.9985 01	−1.81	8.04	10.0	−1.85	8.15
2	5.6 57 5.70 00	5.7	2.58	8.28	7.				7		
3	6.7 68 6.80 00	6.8	2.13	8.93					7		
4	7.1 72 7.15 01	7.1	2.04	9.19							
5	7.6 77 7.70 00	7.7	1.92	9.62							
6	7.	8.2	1.88	10.08							
7		8.5	1.85	10.35							
8		8.85 10 8.9 88	1.83	10.68							
9		8.85 01 8.8 89	1.83	10.68							
10		8.95 10 8.9 90	1.82	10.77							
11		9.15 01 9.2 91	1.81	10.96							
12		9.65 01 9.6 97	1.80	11.45							

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mc Series 479 YELLOW

Scale W mc 8225 13h 58m 5 Virginis −7.5 g h alt −.02 P.C.

	Sc.1		Sc.2	curve	mag.	Sc.2	Sc.2				Sc.2	
Too poor.	1					8.8	8.9	8.85 01	−1.80	7.05	8.9	−2.03 6.87
	2	3.2 3.3				9.3	9.4	9.35 10	−1.80	7.55	9.9	−1.86 8.04
	3	5.1 5.2	B.		2.84 8.04	10.0	10.0 2	10.0 2	−1.80	8.20	7.	
	4	6.2 6.3	6.25 10	6.2	2.32 8.57	7.	7.	.	.	.		
	5	6.4 6.5	6.60 11	6.7	2.20 8.80	7						
	6	7.1 7.2	7.10 11	7.0	2.05 9.15							
	7	7.8 7.9	7.85 10	7.8	1.90 9.75							
	8	8.0 8.1	8.05 10	8.0	1.89 9.94							
	9	7.		8.60 00 8.6 8.6	1.84 10.44							
	10			8.80 00 8.8 8.8	1.83 10.63							
	11			9.05 01 9.0 9.1	1.82 10.87							
	12			9.30 00 9.3 9.3	1.80 11.10							

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Mc Series 479 YELLOW

Scale W Mc 8226 14h14 +19.7 α Bootis. g f alt. + .10 PC

	Sc.1		Sc.2	curve	Magn.	Sc.2	Sc.2			Sc.2	
1	3.0 3.1		B.	.	.	8.5	8.4 8.45 10	-1.15	6.70	8.9	-2.03 6.81
2	4.2 4.3		B	.	.	9.1	9.2 9.15 10	-1.80	7.35		
3	6.3 6.4	6.35 01	6.3	2.28	8.63	7.	7.			7.	
4	6.4 6.5	6.60 11	6.7	2.20	8.80						
5	7.9 8.0	7.90 11	7.8	1.90	9.80						
6	7		8.3	1.87	10.17						
7	7.		8.8	1.83	10.63						
8			8.95 01 9.0 8.9	1.82	10.77						
9			9.30 00 9.3 9.3	1.80	11.10						
10			9.75 10 9.7 9.8	1.80	11.55						
11			9.70 00 9.7 9.7	1.80	11.50						
12			10.00? 00 10.0 10.0?	1.78	11.78?						
~~13~~											
~~14~~											
~~15~~											

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mc Series 479. YELLOW

Card.

Seach W mc 8227 14h 25 +84 R. Camel. q L Alt. +04 P.C.

		Sc.1		Sc.2	curve	Magn.	Sc.2	Sc.2			Sc.2		
Too faint	α	.		B.	.		8.8	9.0	8.90 ±1	-1.80	7.10	9.1	-2.00 7.10
" "	β	.		B	.		7.2 long:	7.1	7.15 0⊥	.	.	7.8	-2.11 5.69
" "	β'	.		B	.		7.7	7.7	7.7 ≈	.	.	7.9	-2.11 5.79
" "	γ	.		B.	.		9.0	9.3	9.15 ±1	-1.80	7.35	9.4	-1.95 7.45
" "	a	.		B.	.		8.7	8.6	8.65 10	-1.77	6.88	8.9	-2.03 6.87
	a'	6.8	6.9 6.90 00	6.9	2.10	9.00	7.	7.	.	.	.	7.	
	g	5.7	5.8 5.80 00	5.8	2.51	8.31	10.0	9.9	9.95 0⊥	-1.80	8.15		
	g'	5.9	6.0 6.10 ±1	6.2	2.38	8.48	7.	7.					
	c	6.8	6.9 6.90 00	6.9	2.10	9.00	7.	7.					
	c'	7.7	7.8 7.85 01	7.9	1.90	9.75							
	d	7.8	7.9 7.85 10	7.8	1.90	9.75							
	d		8.1 8.1 ≈	8.1	1.88	9.98							
	e	7.7	7.8 7.70 01	7.7 7.6 8.50 00	1.92	9.62							
	f	7.		8.5 8.5 9.05 10	1.85	10.35							
	f'	7.		9.1 9.0 8.80 00	1.82	10.87							
	g	7.		8.8 8.8 9.10 00	1.83	10.63							
	b			9.1 9.1	1.81	10.91							
	b'			7. 7.									

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Tne Series 479 YELLOW

Scale W Tne 8228 15h 14 +32 in Coronae g Lt. Clt. +.12 P.C.

		Sc.1		Sc.2			Sc.2	Sc.2			Sc.21		
Too foot.	α	·		B	curve Magn.		8.0	7.8	7.90 11	-1.70	6.20	8.21	-2.10	6.10
" "	β	·		B.	·		8.8	8.3	7.55 23	·	·	8.0	-2.10	5.90
	γ	5.65 7	5.65 10	5.6	2.60	8.25	7.	7.	10,0? 2	-1.80	8.20?	7. 10,0?	·	·
" "	a	·		B.	·	·	8.5	8.6	8.55 10	-1.76	6.79	8.8	-2.04	6.76
" "	f	·		B.	·	·	8.4	8.3	8.35 01	-1.75	6.60	8.8	-2.04	6.76
	e	4.8 4.9		B.	3.05	7.95	9.9?	9.9	9.9 2	-1.81	8.09	9.9	-1.87	8.03
	d	4.9 5.0	5.00 00	5.0	2.99	7.99	7.	9.9	9.95 01	-1.81	8.14	7.		
	e	5.7 5.8	5.70 11	5.6	2.57	8.27	7.	7.	·			7.		
	f	5.8 5.9	5.80 11	5.7	2.52	8.32	7.		·					
	g	6.5 6.6	6.65 01	6.7	2.18	8.83								
	h	7.1 7.2	7.20 00	7.2	2.04	9.24								
	k	7.2 7.3	7.30 00	7.3	2.00	9.30								
	k'	7.7 7.8	7.95 01	7.9	1.90	9.85								
	l	7.		8.6 8.65 01 8.7	1.84	10.49								
	m			8.9 8.90 00 8.9	1.83	10.73								
	n			9.0 9.00 00 9.0	1.82	10.82								
	o			9.4 9.35 01 9.3	1.80	11.15								
	p			7. 7.		·								

							g	g	L					
								9.60	321					
Yau.				B.			9.3	9.8	9.7	-1.82	7.78	9.9	-1.87	8.03

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Mc Series 479 YELLOW

	Scale W	Mc 8229 Sc.1	Mc 8229 Sc.2	Poc.	g h	P.C. Sc. 2
1		.	.			.
2		.	.			.
3	Too foor.	.	.			7.8
4	" "	.	.			7.8 7.7 7.75 01
5		B.	B.			8.5 8.7 8.60 11
6		B.	B.			9.0
8		4.9 5.0	B.	5.0 g.		7.
9		6.4 6.5	6.4	6.45 10		
10		6.7 6.8	6.6	6.70 11		
11		7.4 7.5	7.5	7.50 00		
12		7.5 7.6	7.6	7.60 00		
13		8.0 8.1	8.1	8.10 00		
14		7.	8.2 8.4	8.30 11		
15			8.9 8.7	8.80 11		
16			9.0 9.1	9.05 01		
17			9.0 9.2	9.10 11		
18			9.9 9.9	9.90 00		
19			7.7.			
20						
21						

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mc Series 479 YELLOW

Scale W : g mc 8229 h Pole.

		Sc. 2		Sc. 2
	1	.		.
	2	.		.
Hood door	3	.		.
" "	4	.		.
	5	7.9	8.0011	8.1
	6	8.9	8.8510	8.8
	7			
	8	9.8	9.8501	9.9
	9	7		
	10	7.		

(10m added for reading)

1.20

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