KG
11366
064

Observing Book 11

M. E. O'Reilly.

KG 11366.064

Observing Book 11.

M. E. O'Reilly

Although measures in this book and in all my books were recorded in order of brightness, the stars were measured in as irregular order as possible, to obtain independent results.

Sept 11, 1918

KG 11366.064

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Saturday December 5, 1914 –

Scale P — Scale Measures of MW Plates.

10:10 — *MW 1360

		1st Eff. sc.1	sc.2	sc.2	Ptv.	Diff.	2nd eff. sc.1	sc.2	sc.2	Diff.	Diff.
not comp. with scale.	19	B.			11.94	.	3.8 4.1	4.2	4.00 2 2 ~~4.15 ⊥ 0~~	7.79	7.94
" " " "	20	B.			12.19	.	4.1 4.4	4.6	4.35 3 2 ~~4.50 ⊥ 1~~	7.69	7.84
" " " "	21	B.			12.27	.	4.3 4.6	4.6	4.45 ⊥ 2 ~~4.60 0 0~~	7.67	7.82
" " " "	22	B.			12.49	.	5 5.0 6.3	5.3	5.15 2.1 ~~5.30 0 0~~	7.19	7.34
" " " "	23	.			12.76	.	5.6 5.3 ~~6.5~~	5.6	5.45 ⊥ 2 ~~5.60 0 0~~	7.16	7.31
" " " "	24	.			12.94	.	5.6 6.2 5.9 5.9 ~~5.7~~	5.6 5.7	5.70 ⊥ 2 ⊥ 0 ~~5.85 ⊥ 4 2 1~~	7.09	7.24
" " "	25	.			13.28	.	6.1 6.4	6.4	6.25 ⊥ 2 ~~6.40 0 0~~	6.88	7.03
" " "	26	.			13.42	.	6.3 6.6	6.6	6.45 ⊥ 2 ~~6.60 0 0~~	6.82	6.97
" " "	27	3.4? 3.7?	.		14.08	6 10.38	7.60 0 0	7.6	7.6	6.48	
	28	3.88 4.1	4.1	3.95 2 1 ~~4.10 0 0~~	14.87	42 10.~~27~~	8.10 0 0	8.1	8.1	6.27	
	29	5.1 5.4	5.4	5.25 ⊥ 2 ~~5.40 0 0~~	15.08	83 9.~~68~~	9.00?9 1 ⊥	9.1	8.9? poor	6.08	
	30	5.9 6.2	6.2	6.05 ⊥ 2 ~~6.20 0 0~~	15.62	57 9.~~42~~		f.	9.8	5.82	
	31	6.0 6.3	6.4	6.20 2 2 ~~6.35 ⊥ 0~~	15.49	29 9.~~14~~		f.	9.9	5.59	
	32	6.1 6.4	6.4	6.25 ⊥ 2 ~~6.40 0 0~~	15.65	40 9.~~25~~		f.	t.f.	.	
	33	6.5 6.8	6.9	6.70 2 2 ~~6.85 0 1~~	16.12	42 9.~~27~~		n.s.	.	.	
	34	7.60 0 0	7.6	7.6	.	.		n.s.	.	.	
	35	8.00 ⊥ 1	7.9	8.1	.	.		n.s.	.	.	
	36	8.45 0 1	8.4	8.5	.	.					
	37	8.15 ⊥ 0	8.1	8.2	.	.					
	38	8.70 0 0	8.7	8.7	.	.					
very poor	39	9.15? 0 ⊥	9.2?	9.1	.	.					
	40	f	f.	f.	.	.					
	41	10.0	10.0	f	.	.					
defects in region.	42		n.s.	.	.	.					
	43		n.s.	n.s.	.	.					
	12v	B.			9.67	.	B.				
	11v	B			11.79	.	3.8 4.1	B.		7.99 ~~7.69~~	

*See Book 10 page 50 for measures of this plate with Scale R.

Saturday December 5, 1914.

Scale P

Scale measures of MW Plates.

MW 1360 cont.

bit plates not comp. with scale

	1st exp.					2nd exp.				
	sc.1	sc.2	sc2	Ptr.	Diff.		sc.1	sc.2	sc2	Diff.
12n	B.			12.20	.	4 4.80 0 0	42 4.5	B4.6		7.80
5s	B.			9.79	.		B.	B.		,
7s	B.			11.79	.	.	B.	. not comp.		.
8s	B.			13.86	.	6.55 2 1 ~~6.70 0 0~~	6.4 6.1	6.7		81 6.~~66~~
9s	B.	B.		13.47	.	6.45 ⊥ 2 ~~6.60~~ 0 0	6.3 6.6	6.6		7.02 ~~6.87~~
10s	3.9 4.2.	B.		14.10?	10.20? ~~9.90?~~	8.15 0 1		8.2	8.1	5.95?
11s	3.6 3.9	4.2	3.90 2 3 ~~4.05 ⊥ 2~~	14.07	10.17 ~~10.02~~	7.55 ⊥ 0		7.5	7.6	6.52
12s	4.2 4.5.	4.5 ~~5.2~~ w.s.	4.35 2 1 ~~4.50 0 0~~	14.02	9.67 ~~9.52~~	8.45 0 1		8.4	8.5	5.57
13s	3.9 4.2.	4.3	4.10 2 2 ~~4.25 0 1~~	.	,	8.40 0 0		8.4	8.4	.
14s	4.8 5.1.	4.8	4.80 0 0 ~~4.95 1 2~~	.	.			9.1 very poor	t.f.	,
15s	6.4 6.1.	6.6	6.50 ⊥ 1 ~~6.65 1 0~~	15.63	9.13 ~~8.98~~	9.50 1 ⊥		9.6	9.4	6.13
16s	5.9 6.2	6.3	6.10 2 2 ~~6.25 0 1~~	15.56	9.46 ~~9.31~~	9.45 0 1		9.4	9.5	6.11
17s	7.05 2 ⊥	7.2	6.9	16.08	9.03			n.s.	n.s.	.
18s	8.35 0 ⊥	8.4	8.3	.	,			n.s.	n.s.	,
19s	7.95 2 1	7.8	8.1	.	,			n.s.	n.s.	.
20s		f.	f.	.	.					
21s	9.30 ⊥ 1	9.2	9.4	.	.					
22s	9.40 0 0	9.4	9.4	.	.					
23s		f.	f.	.	.					
24s		f	f	.	.					
25s		n.s	n.s.	.	,					
26s		n.s.	n.s	.	.					
27s				,	.					
28s				,	,					
w	5.0 5.3	5.20 1 ⊥	5.1	,	,			8.6		.
l	B.			.	.	4.80 0 0 ~~4.95 1 2~~	4.8 5.1	4.8		.

11:01

Wednesday, December 9, 1914.

Scale u

Series 373.

11:10

	Mc 6901		Pole		Mc 6907 f-16			Diff	P.C.				Mc 6907 f-16			Diff.
5									5.6	5.4	5.50	1 1	~~5.85~~	5.50	a :	0.99
6									5.7	5.7	5.70	00	5.85	5.78	08 07	1.33
8									7.1	7.1	7.10	00	7.20	7.15	05 05	1.08
9									7.6	7.6	7.60	00	7.60	7.60	00 00	1.23
10	4.5				4.5	4.50	0 0	4.52	7.6	7.7	7.65	0 1	7.70	7.68	03 02	1.34
11	4.7				4.8	4.75	1 0	4.80	8.3				8.4	8.35	1 0	1.20
12	4.9				5.2	5.05	1 2	4.81	8.4				8.6	8.50	1 1	1.36
13	5.1				5.5	5.30	2 2	5.00	8.8				8.7	8.75	0 1	1.55
14	5.7				6.1	5.90	2 2	4.75	8.9				9.30	9.10	20 20	1.55
15	6.0				6.2	6.10	1 1	4.98	9.4				9.50	9.45	05 05	1.63
16	6.5				6.6	6.55	1 0	4.85	9.6				9.8	9.70	1 1	1.70
17	6.6				6.7	6.65	0 1	4.98	10.0				f	10.00	a f	1.63
18	7.2				7.2	7.20	0 0	4.86	f				.	f		,
19	7.4				7.5	7.45	0 1	4.97								
20	7.6				7.6	7.60	0 0	5.13								
23	7.9				.	7.90	a :	5.44								
25	8.6				8.55 ,	8.58	02 03	5.29								
26	8.7	8.7	8.70	0 0	8.65	8.68	02 03	5.65								
27	9.1	9.2	9.15	1 0	8.95	9.05	10 10	5.64								
28	9.5	9.6	9.55	1 0	9.40	9.48	07 08	5.63								
29	9.6	9.8	9.70	1 1	9.60	9.65	05 05	6.01								
30	9.9	9.9	9.90	0 0	9.80	9.85	05 05	6.19								
31	f	f	.	.	.	.	. ,	,								
32		n.s.	.	.	.	.	. ,	,								
33																

lch. F.C.

Wednesday December 9, 1914.

Scale II

Series 373.

Mc6902							Eros C.S.		1 45 + 52.5	Alt. Corr. +.21		
					Curve.	Magn	P.C.				Curve.	Magn
1	4.0				4.76	8.76	7.4	7.3	7.35	01	1.23	8.58
2	4.5				4.77	9.27	7.7	7.6	7.65	10	1.26	8.91
3	4.7				4.78	9.48	8.1	8.2	8.15	10	1.40	9.55
4	4.9				4.79	9.69	8.4	8.5	8.45	01	1.42	9.87
5	5.3				4.81	10.11	8.6	8.6	8.60	00	1.45	10.05
6	5.5				4.82	10.32	8.7				1.46	10.16
7	6.2				4.85	11.05	9.4				1.62	11.02
8	6.5				4.88	11.38	9.9				1.74	11.64
9	7.1				4.98	12.08	f				F	F
10	7.4				5.05	12.45	n.s.				,	,
11	7.5	7.6	7.55	10	5.09	12.64						
12	7.9	8.2	8.05	12	5.24	13.29						
13	8.6	8.6	8.60	00	5.47	14.07						
14	9.2	9.1	9.15	01	5.70	14.85						
15	9.3	9.4	9.35	10	5.81	15.16						
16												
17												
18												
19												
20												

Ch. F.C.

Wednesday December 9, 1914.

Scale W

Series 373.

Mc 6903 | Alt. +.2'2' | Eros. c. s. 1 5.3 +42.5

					Curve	Magn		P.C.				Curve	Magn
1	3.6				.	.		. another plate sup. on P.C.?					
2	4.1				4.76	8.86	ε	7.5	7.4	7.45	10	1.24	8.69
3	4.6				4.77	9.37		8.1	8.2	8.15	10	1.36	9.51
4	5.2				4.80	10.00		8.6	8.6	8.60	00	1.45	10.05
5	6.1				4.84	10.94		9.3	9.4	9.35	10	1.62	10.97
6	6.5				4.88	11.38		f.	f.	.		.	f̄
7	6.8				4.93	11.73							
8	7.6				5.10	12.70							
9	7.6				5.10	12.70							
10	8.2				5.31	13.51							
11	8.5				5.43	13.93							
12	8.6	8.7	8.65	01	5.48	14.13							
13	8.8	8.9	8.85	01	5.55	14.40							
14	9.2	9.1	9.15	01	5.70	14.85							
15	9.3	9.3	9.30	00	5.77	15.07							
16	9.5	9.5	9.50	00	5.88	15.38							

Ch. F.C.

Wednesday December 9, 1914.

Scale U. Series 373. copied.

Mc 6904 V Persei. 2h 0 + 55.8

alt. + 21

						Curve.	Magn	P.C.				Curve.	Magn
	a	4.0				4.76	8.76 ε	7.3	7.4	7.35	10	1.23	8.58
	b	4.5				4.77	9.27	sup.?	sup.?	.		.	Sup.?
	c	5.1				4.80	9.90	8.1	8.4	8.25	12	1.38	9.63
	d	5.5				4.81	10.31	8.7	8.8	8.75	10	1.47	10.22
	e	5.6				4.82	10.42	8.8	8.7	8.75	01	14.7	10.22
	f	6.3				4.86	11.16	10.0	9.9?	9.95	01	1.76	11.71 ?
	g	6.7				4.90	11.60						
	g²	6.8				4.94	11.74						
	g³	7.2				5.00	12.20						
	h	7.6				5.10	12.70						
	h²	7.4				5.05	12.45						
	k	7.6				5.10	12.70						
	l	7.7				5.13	12.83						
	m	8.6				5.47	14.07						
	m²	8.6				5.47	14.07						
	o	8.6				5.47	14.07						
double?	p	8.2?				5.31	13.51 ?						
	q	8.7	8.7	8.70	00	5.50	14.20						
	r	9.3	9.3	9.30	00	5.77	15.07 ~~14.79~~						
	s	9.4	9.5	9.45	01	5.34	14.79						
	t	9.6	9.6	9.60	00	5.94	15.54						
	u	~~9.5~~ 9.8	~~9.5~~ 9.8	9.80	00	6.08	15.88						

see also next page. Ch. F.C.

Wednesday December 9, 1914

Scale u

Series 373

MC 6904 cont. Alt. +.21

					Curve	Magn
1	3.9					
2	4.6				4.78	9.38
3	4.6				4.78	9.38
4	4.9				4.79	9.69
5	5.5 5.6		5.55	1 0	4.81	10.36
6	5.4 5.4		5.40	0 0	4.80	10.20
7	5.8				4.83	10.63
8	6.1				4.84	10.94
9	6.9				4.94	11.84
10	7.6				5.10	12.70
11	8.1				5.26	13.36
12	8.1				5.26	13.36
13	8.4				5.38	13.78
14	8.4				5.38	13.78
15	8.6				5.47	14.07
16	8.6	8.5	8.55	0 1	5.46	14.01
17	8.9	8.9	8.90	0 0	5.59	14.49
18	8.7	8.6	8.65	1 0	5.48	14.13
19	9.6	9.3	9.45	2 1	5.84	15.29
20	9.2	9.21	9.20	0 0	5.72	14.92

Ref. Seq. for centre of pl.

B.C.				Curve	Magn
7.5	7.3	7.40	1 1	1.23	8.63
7.7	7.6	7.65	1 0	1.27	8.92
8.2	8.2	8.20	0 0	1.37	9.57
8.4	8.2	8.30	1 1	1.39	9.69
8.6	8.6	8.60	0 0	1.45	10.05
8.6				1.45	10.05
9.1				1.55	10.65
9.5				1.64	11.14
10.0				1.77	11.77

Ch. F. C.

Wednesday December 9, 1914.

Scale U Series 373. Copied.

MC 6905 RT Persei 3 13 +45.0°

alt. +.23 DOK.

					Curve.	Magn	P. C.					
double. a	.				.	.	7.5} 7.5 8.3} 8.4		7.50 8.35	00 10	1.24 1.41	8.74 9.76
a'	3.6				.	.	6.6	6.6	6.60	00	1.15	7.75
b	4.1				4.76	8.86 ε	· too close to another do,					
c	4.6				4.78	9.38	8.2	8.1	8.15	01	1.36	9.51
d	5.5				4.81	10.31	8.8	8.8	8.80	00	1.48	10.28
e	5.3				4.80	10.10	8.7	8.6	8.65	10	1.45	10.10
f	5.2				4.80	10.00	8.6	8.6	8.60	00	1.45	10.05
g	5.8				4.83	10.63	9.3				1.60	10.90
h	~~7.1~~ 5.5				4.81	10.31	8.6				1.45	10.05
k	6.1				4.84	10.94	9.3				1.60	10.90
l	6.3				4.85	11.15	9.6				1.68	11.28
m	6.7				4.90	11.60	f.				,	f
n	6.9				4.94	11.84						
o	7.5				5.07	12.57						
p	7.6				5.10	12.70						
q	7.9				5.19	13.09						
r	8.3				5.34	13.64						
s	8.6				5.47	14.07						
t	8.6	8.6	8.60	00	5.47	14.07						
u	9.1	8.9	9.00	11	5.63	14.63						
w	9.4	9.~~5~~3	9.35	01	5.81	15.16						
x	9.5	9.6	9.55	10	5.91	15.46						
y	9.8	9.9	9.85	01	6.09 12	15.9~~4~~7						

see also next page. Ch. F.C.

Wednesday December 8, 1914.

Scale U

Series 373.

	Mc 6905				Cont. Curve.	Magn	Ref. Seq. for cubic of pl. P.C.				Curve.	Magn
					Alt. +.23							
1	3.8				.		6.8	6.8	6.80	00	1.16	7.96
2	3.9				.		7.3	7.3	7.30	00	1.22	8.52
3	4.4				4.77	9.17	7.5	7.5	7.50	00	1.24	8.74
4	4.5				4.77	9.27	7.7	7.7	7.70	00	1.27	8.97
5	4.9				4.79	9.69	8.4	8.4	8.40	00	1.41	9.81
6	5.1				4.79	9.89	8.5				1.43	9.93
7	5.5				4.81	10.31	8.6				1.45	10.05
8	6.1				4.84	10.94	9.4				1.62	11.02
9	6.3				4.85	11.15	9.6				1.68	11.28
10	6.6				4.89	11.49	F.				.	F
11	6.7				4.90	11.60						
12	7.4				5.05	12.45						
13	7.5				5.07	12.57						
14	7.5				5.07	12.57						
15	7.9				5.19	13.09						
16	8.5	8.3	8.40	11	5.38	13.78						
17	8.6	8.6	8.60	00	5.47	14.07						
18	8.6	8.7	8.65	01	5.48	14.13						
poor image. 19	8.7	8.8?	8.75	10	5.52	14.27						
20	9.3	9.4	9.35	10	5.81	15.16						

Ch. F. C.

Wednesday, December 9, 1914.

Scale u

Series 3/3. Copied

Me 6906 23 K. Alt. corr. +.23

Alt. +23

						Curve	Magn.
	1	3.1				.	
	2	3.4				.	
	3	4.6				4.77	9.37
	4	5.6				4.81	10.41
	5	5.9				4.84	10.74
	6	6,2				4.85	11.05
	7	7.1 7.1		7.10	00	4.98	12.08
	8	6.9 6.9		6.90	00	4.94	11.84
double?	9	7.6				5.10	12.70
	10	7.7				5.13	12.83
	11	8.6	8.5	8.55	01	5.45	14.00
	12	8.6	8.5	8.55	01	5.45	14.00
	13	8.9	8.7	8.80	11	5.54	14.34
	14	9.3	9.1	9.20	11	5.72	14.92
	15	9.5	9.5	9.50	00	5.88	15.38
	16	9.6	9.6	9.60	00	5.94	15.54

P.C.			Curve	Magn
5.9 5.9	5.90	00	1.10	7.00
6.5–6.4	6.45	10	1.13	7.58
7.7 7.8	7.75	10	1.28	9.03
9.4 9.6	9.50	11	1.64	11,14
9.6 9.6	9.60	00	1.68	11,28
9.9			1.74	11.64
f.			.	f
n.s.			.	.

Ch. F.C.

Wednesday, December 9, 1914.

Scale U

Series 373.

	MC 6907			Pole		
				Q.C.		
5				~~faintly~~ nearly sup.		
6				5.8 ~~7.2~~	5.9 7.2	5.85 01
8				7.2	7.2	7.20 00
9				7.6	7.6	7.60 00
10	4.5			7.7	7.7	7.70 00
11	4.8			8.4		
12	5.2			8.6		
13	5.5			8.7		
14	6.1			9.4	9.2	9.30 11
15	6.2			9.5	9.5	9.50 00
16	6.6			9.8		
17	6.7			f.		
18	7.2			n.s.		
19	7.5					
20	7.6					
23						
25	8.6	8.5	8.55 01			
26	8.7	8.6	8.65 10			
27	8.8	9.1	8.95 21			
28	9.4	9.4	9.40 00			
29	9.6	9.6	9.60 00			
30	9.8	9.8	9.80 00			
31	f	f.				
32						

See p. 8

2:05
~~1:55~~

Had several interruptions while measuring Series. New stacks being put in.

Omitted by mistake -

Friday, December 18, 1914.

Scale U	Remeasures of DM with Carte Regions. (See also Bk 10)									
10:75	Mc 6438			3h 0	+55.0					
DM Region at +55° meas. O Bk 8:203				magn. O 8:203 – Scale Reading	P.C.			magn. O8:203 – Scale Reading		
01	3.6			. .	7.2	7.4	7.30 ii	0.90		
02	5.2	5.0	5.10 ii	4.63	8.8	8.8	8.80 oo very close to another star.			
03	4.8	4.8	4.80 oo	4.82	8.6	8.6	8.60 oo	0.83		
04	5.3			4.53	8.7	8.8 9	8.80 ii	0.95		
05	5.4			4.49	9.2? tp.			0.94?		
3 = 06	5.4			4.54	9.3	9.5	9.40 ii	0.95		
07	6.3	6.3	6.30 oo	4.28	f.			.		
08	6.1	46.3	6.20 ii	4.70	9.8			.		
09	6.7			4.73	n.s.			.		
9 = 010	6.6			4.83						
011	7.3			4.44						
012	7.6			4.87						
013	7.6			4.97						
014	8.2			4.94						
015	8.6			5.05						
016	8.6	8.6	8.60 oo	5.12						
017	8.7	8.8	8.75 io	5.44,						
018	9.3	9.1	9.20 ii	5.32						
019	9.2	9.4	9.30 ii	5.43						
020	9.5	9.5	9.50 oo	5.30						
				Alt. corr. +.22	Copied			Curve	Magn.	
Carte Reg. at +54.5 1	3.7			Curve	Magn.	7.5	7.6	7.55 io	0.85	8.40
2	4.7			4.62	9.32	8.6	8.6	8.60 oo	0.90	9.50
06 = 3	5.4			4.60	*10.00 08:203 19.94	.	.	. .	.	.
4	5.7			4.60	10.30	9.9	9.7	9.80 ii	~~1.018~~	.
5	5.6			4.60	10.20	9.9	tp.		.	.

Friday, December 18, 1914.

Scale U Remeasures of DM Regions cont.

MC 6438 cont. alt. corr. +.22

			Curve	magn.	P.C.	Curve	magn.
6	5.9		4.61	10.51	10.0 10.0 10.00 00		
7	6.4		4.66	11.06	Fns.		
8	6.6		4.68	11.28	n.s.		
010 = 9	6.6		4.68	*11.28 } 08:203 11.43 }			
10	6.7		4.70	11.40			
11	6.7		4.70	11.40			
12	7.4		4.82	12.22			
13	7.6		4.85	12.45			
14	7.6		4.85	12.45			
15	8.1 8.2	8.15 10	4.99	13.14			
16	7.9 8.2	8.05 12	4.96	13.01			
17	8.3 8.4	8.35 10	5.04	13.39			
18	8.5 8.4	8.45 10	5.08	13.53			
19	8.6 8.6	8.60 00	5.12	13.72			
20	9.4 9.3	9.35 01	5.40	14.75			

* In copying magnitudes combine with previous measures — 08:203

~~Friday~~ Monday, December ~~18~~ 21, 1914.

Scale U Remeasures cont.

MC 5179 9 0 +55.0

DM Reg. at +55° } Meas. O Bk 5:112

					magn. 05:112 − Scale Reading	O.C.			magn. 05:112 − Scale Reading
	01	B.			·	4.1	4.8	4.75 1.0	0.93
	02	3.5			4.73	6.5	6.5	6.50 0.0	1.06
1 =	03	4.0			4.83	7.2	6.9	7.05 ~~6.95~~ 21	1.58
2 =	04	4.6			4.83	7.1	7.1	7.70 0.0	1.45
3 =	05	4.8			5.04	8.1	8.6	8.65 1.0	1.53
6 =	06	6.3			4.98	9.1			1.73
8 =	07	7.3			5.05	n.s.			
10 =	08	7.7			4.99				
	09	8.4			5.19				
	010	8.5			5.36				
	011	8.7	8.7	8.70 0.0	5.46				
	012	8.9	8.9	8.90 0.0	5.34				
20 =	013	9.5	9.5	9.50 0.0	5.72				
	014	9.5	9.6	9.55 1.0	5.75				
	015	9.6	9.7	9.65 0.1	6.00				
	~~016~~								
	~~017~~								
	~~018~~								
	~~019~~								
	~~020~~	9							

Carte Seq. at +54.5°

Alt. corr. +.21

Copied

		Curve	magn.				Curve	magn.
03 = 1	4.0	4.83	8.83 05:112 8.83	7.05			1.26	8.31 05:112 8.63
04 = 2	4.6	4.92	9.52 05:112 9.43	7.70			1.37	9.07 05:112 9.15
05 = 3	4.8	4.94	9.74 05:112 9.84	8.65			1.51	10.16 05:112 9.84
4	5.3	4.97	10.27	8.6	8.7	8.65 0.1	1.51	10.16
5	5.6	4.98	10.58	9.1	9.2	9.15 1.0	1.61	10.76

Monday, December 21, 1914.

Scale U Remeasures cont.

MC 5179 9 o +55° cont.

alt. corr. +.21

				Curve	Magn.	P.C.			Curve	Magn.
06 = 6	6.3			4.99	11.29} 05:112 11.28}	·	9.7		1.72	11.42} 05:112 11.43}
7	6.5			5.00	11.50	9.7	9.7	9.70 00	1.72	11.42
07 = 8	7.3			5.01	12.31} 05:112 12.35}	:				
9	7.4			5.03	12.43	m.s.				
08 = 10	7.7			5.08	12.78} 05:112 12.69}	:		:		
11	7.7			5.08	12.78					
12	7.7			5.08	12.78					
13	7.9			5.11	13.01					
14	8.3			5.20	13.50					
15	8.3	8.4	8.35 10	5.21	13.56					
16	8.4	8.4	8.40 00	5.22	13.62					
17	8.6	8.6	8.60 00	5.29	13.89					
18	8.6	8.6	8.60 00	5.29	13.89					
19	9.2	9.3	9.25 01	5.62	14.87					
013 = 20	9.50		~~5.80~~	5.80	15.30	·				

Monday) December 21, 1914.

Scale U　Remeasures cont.　copied 10:29

		MC 5143			7 +55°		Carte + Remeasures of R Lyncis.				
					alt. corr. +16						
Carte Seq. at +54.5°					Curve	Magn.	P.C.			Curve	Magn.
	p1	4.0			·	·	7.4	7.4	7.40 00	0.83	8.23
	p2	4.4			4.63	9.03	7.7	7.7	7.70 00	0.87	8.57
	p3	5.3			4.68	9.98	8.6	8.6	8.60 00	0.98	9.58
	p4	5.5			4.69	10.19	8.7	8.6	$\overset{51}{8.60}$ 00	1.00	9.65
	p5	6.3			4.76	11.06	9.9	9.7	9.80 11	1.34	11.14
	p6	6.7			4.80	11.50					
	p7	6.8			4.81	11.61					
	p8	6.9			4.82	11.72	n.s.				
	p9	7.5			4.89	12.39					
	p10	7.6			4.90	12.50					
	p11	7.8			4.92	12.72					
	p12	8.0			4.96	12.96					
	p13	7.9			4.94	12.84					
	p14	8.1			4.99	13.09					
	p15	8.4			5.06	13.46					
	p16	8.5	8.6	8.55 10	5.11	13.66					
	p17	8.6	8.6	8.60 00	5.13	13.73					
	p18	8.5	8.6	8.55 10	5.11	13.66					
	p19	8.7	8.7	8.70 00	5.68	14.38					
	p20	9.7	9.7	9.70 00	5.65	15.35					
R Lyncis Seq. meas. Mt Bk 6:6					Magn. Mt. 6:6 – Scale Reading.					Magn. Mt. 6:6 – Scale Reading	
	a	B.			·		5.6	5.8	5.70 11	0.75	
	b	3.6			·		6.4	6.5	6.45 01	0.81	
close double.	c	·			·		·	b.	· ·	·	
	d	3.7			·		6.6	7.1	$\overset{-5}{6.80}$ 23	1.07	
	e	4.4			·		7.6	7.6	7.60 00	0.87	

Monday, December 21, 1914.

Scale U Remeasures cont.

MC 5,43 cont.

				magn. mt. 6:6 - Scale Reading	P.C.			magn. mt. 6:6 - Scale Reading.
f^1	4.6			4.25	8.1	8.1	8.10 00	0.83
f^2	4.7			4.76	8.3			0.63
g_1	5.1			4.50	8.6			0.89
h	5.5			4.69	9.1			1.03
h^2	5.6			4.97	9.4			1.30
k	6.5			4.53	9.9?			1.25?
l	6.5			4.53	9.9?			1.25?
m	6.4			4.70	9.6			1.39?
n	6.6			4.93	9.9			
o^1	6.7			4.83				
o^2	7.4			4.72				
o^3	7.5							
o^4	7.7							
p	7.8	7.8	7.80 00	4.91				
p^1	7.6	7.7	7.65 01					
q	7.9	8.1	8.00 11	4.99				
q^1	8.4	8.5	8.45 01					
r_1	8.5	8.4	8.45 10	4.73				
r^2	8.7	8.7	8.70 00	5.26				
s	9.1	8.9	9.00 11	5.30				
t	9.1	9.1	9.10 00	5.37				
u	9.4	9.4	9.40 00	5.32				
w	9.6	9.7	9.65 01	5.68				
~~x~~								
x^1	9.5	9.8	9.65 12					
y	f.	f.						

Monday December 21, 1914

Copied 10:29

Scale II

Remeasures cont.

12:30	MC 5072							7 + 55°					
						Alt. corr. +.18							
Carte Seq. 07+54.5°						Curve	Magn.	C.C.				Curve	Magn.
	1	3.9				·	·	6.9	7.0	6.95	10	1.20	8.15
	2	4.3				4.71	9.01	7.6	7.6	7.60	00	1.22	8.82
	3	4.8				4.74	9.54	8.6	8.6	8.60	00	1.30	9.90
	4	5.3				4.78	10.08	8.7	8.7	8.70	00	1.32	10.02
	5	6.2				4.86	11.06	9.9	9.9	9.90	00	1.50	11.40
	6	6.6				4.90	11.50		f.	·			
	7	6.7				4.91	11.61						
	8	6.7				4.91	11.61						
	9	7.2				4.99	12.19						
	10	7.6				5.04	12.64						
	11	7.7				5.06	12.76						
	12	7.9				5.09	12.99						
	13	7.8				5.07	12.87						
	14	7.9				5.10	13.00						
	15	8.2				5.15	13.35						
	16	8.5	8.6	8.55	10	5.22	13.77						
	17	8.6	8.6	8.60	00	5.23	13.83						
	18	8.5	8.5	8.50	00	5.21	13.71						
	19	8.7	8.7	8.70	00	5.27	13.97						
(8.7 w.s. meas defect)	20	~~8.7~~ 9.6	9.7	9.65	01	·	·						
						magn. 06:14 – Scale Reading						magn. 06:14 – Scale Reading	
Seq. for R Lyncis }	a	B.				·		5.5	5.6	5.55	10	1.16	
meas. O Bl 6:14 }	b	3.4				·		6.4	6.4	6.40	00	1.20	
close double.	c	·				·		↓	·	·		·	
	d	3.1				·		6.7	6.7	6.70	00	1.23	
	e	4.2				4.46		7.6	7.6	7.60	00	1.15	

Monday, December 21, 1914-

Scale U Remeasures cont.

		MC 5072				7 +55°			
					magn. 06:14 −Scale Reading	P.C.			magn. 06:14 −Scale Reading
	f¹	4.4			4.66	7.6	7.6	7.60 00	1.19
	f²	4.6			4.84	8.1	8.1	8.10 00	1.36
	g¹	4.7			4.87	8.6			1.14
	h¹	5.4			4.64	8.7			1.14
	h²	5.6			4.90	9.4			1.42
	k	6.3			4.95	9.9			1.48
	l	6.4			4.74	9.7			1.52
	m	6.3			5.05	~~7.1~~			
	n	6.6			4.95				
	o¹	6.6			4.95				
	o²	7.4			4.82				
	o³	7.3			.				
	o⁴	7.6			.				
	p	7.8			5.37				
	p¹	7.7			.				
	q	7.8			4.82				
	q¹	8.4			.				
	r¹	8.5	8.6	8.55 10	5.07				
	r²	8.6	8.7	8.65 01	4.97				
	s	8.8	~~9.1~~ 8.9	8.85 01	5.40				
	t	8.8	~~9.1~~ 8.9	8.85 01	5.48				
w.s	u	~~9.1~~ 9.4	9.3	9.35 01	5.35				
	w	9.5	9.5	9.50 00	5.27				
	x¹	9.6	9.6	9.60 00	.				
	y	10.0	10.0	10.00 00	.				

1:15

Tuesday) December 22, 1914 -

Scale II — Remeasured of DM with Carte Regions. — Plot 250 — Magn.

8:51 — Mc 6323 — 00 - 10.0 — alt. -.10 — Ld 37:39

															Star P.C.
					magn. Ld. 47:39 - Scale Reading			P.C.			magn. Ld. 47:39 - Scale Reading	Curv Magn			
					·	Curv	Magn								
DM Seq. at -10.0 meas. Ld 47:39,40	01	3.4						6.6	6.4	6.50 11	0.50	0.50			
	02	4.5			5.00	4.84		8.4	8.5	8.45 01	0.68	0.69			
	03	4.7			4.80	4.83		8.6	8.6	8.60 00	0.66	0.70			
1 =	04	5.~~4~~1	5.1	5.10 00	4.72	4.77	87 9.~~49~~	8.7	8.6	8.65 10	0.82	0.71	9.36	9.82	9.47
2 =	05	5.1	5.2	5.15 10	4.62	4.76	9' 9.~~38~~	8.7	8.7	8.70 00	0.73	0.72	9.42	9.77	9.43
	06	5.3			4.80	4.72	10.02	9.2			0.70	0.75			
	07	5.6			4.66	4.71	10.31	9.5			0.75	0.78			
	08	6.2			4.61	4.70	10.90	10.0			0.87	0.86			
8 =	09	6.5			4.53	4.71	11.21 ~~9.24~~							11.03	
10 =	010	6.6			4.67	4.71	11.31 ~~9.38~~							11.27	
11 =	011	6.7			5.02	4.72	11.42 ~~9.74~~							11.72	
	012	7.2			4.76	4.77	11.97								
13 =	013	7.5			4.81	4.80	12.30 ~~9.61~~							12.31	
14 =	014	7.6			4.83	4.82	12.42 ~~9.65~~							12.43	
16 =	015	8.3			4.73	4.92	13.22							13.03	
	016	8.5	8.4	8.45 10	4.93		1								
	017	8.6	8.6	8.60 00	5.14										
	018	9.1	9.1	9.10 00	5.19										
	019	9.2	9.3	9.25 01	5.09										
	020	9.6	9.6	9.60 00	5.23										
					alt. corr. -10										
					Curve		Magn.				Curve	magn.			
Carte Seq. at -9.5 04 =	1	·													
(see above) 05 =	2	·			·		·	·			·	·			
	3	4.8			4.80		9.60	8.9	8.7	8.80 11	0.72	9.52			
	4	5.9	5.9	5.90 00	4.70		10.60	9.7	9.6	9.65 10	0.80	10.45			
	5	5.4	5.4	5.40 00	4.73		10.13	9.2	9.3	9.25 01	0.76	10.01			

Tuesday December 22, 1914 -

Scale U Remeasures of Carte with DM Regions alt. - .10

MC 6323 cont. 8 – 9.5

			Curve	Magn.	P.C.	Curve	Magn.
	6	6.0 5.9 5.95 01	4.70	10.65	9.6 9.5 9.55 01	0.79	10.34
	7	6.6	4.72	11.32	m.s.		
09 =	8	.	.	.	.		
	9	6.6	4.72	11.32			
010 =	10	.	.	.			
011 =	11	.	.	.			
	12	7.4	4.79	12.19			
013 =	13	.	.	.			
014 =	14	.	.	.			
	15	7.8	4.85	12.65			
015 =	16	.	.	.			
	17	8.5 8.5 8.50 00	4.97	13.47			
	18	8.5 8.6 8.55 10	4.98	13.53			
	19	8.6 8.7 8.65 01	5.00	13.65			
	20	9.5 9.4 9.45 10	5.21	14.66			
	~~21~~						
	~~22~~						
	~~23~~						
	~~24~~						

9:15

Friday January 1, 1915

Scale V

MD Series 107

11:28 MD 3656 Pole.

Pc.

	sc.$\overset{2}{7}$	sc.$\overset{3}{2}$	sc.3			MD 3662	Mean		Diff	sc.7	sc.3	sc.3						
						7.30	2.7a.											
5	2.7 2.6	B.				.			3.79	6.9 6.8	7.2		7.05	1 2	.	7.05	a :	-0.56
6	4.3 4.2	B.				4.4	4.35	1 0	2.76	7.7	7.8		7.85	1 0	7.95	7.90	05 05	-0.79
8	6.7 6.1	6.2		6.20	0 0	6.30	6.25	05 05	1.98	9.4	9.4		9.40	0 0	9.10	9.25	15 15	-1.02
9	6.7 6.6	7.2		6.95	3 2	6.65	6.80	15 15 ~~2 2~~	2.03	9.7	9.9		9.80	1 1	9.75	9.78	02 03	-0.95
10		7.3				7.3	7.30	0 0	1.72	10.0					10.00	10.00	0 0 a	-0.98
11		7.8	7.7	7.75	0 1	7.7	7.72	03 02	1.83	m.s.			.	.	.	.		
12		7.9				7.9	7.90	0 0	1.96									
13		8.5	8.5	8.50	0 0	8.4	8.45	05 05	1.85									
14		8.8	8.7	8.75	0 1	8.70	8.72	03 02	1.93									
15		9.1	9.1	9.10	0 0	9.00	9.05	05 05	2.03									
16		9.5	9.4	9.45	1 0	9.35	9.40	05 05	2.00									
17		9.6	9.6	9.60	0 0	9.50	9.55	05 05	2.08									
18		def.?	def?	def?		9.90	9.90	: a	2.16									
19		t.f.		g		F	.	.	.									
20		m.s.		.		.	.	.	.									
23																		

Ch. P.C.

Friday January 1, 1915.

Scale V

MD Series 107. Copied.

MD 3661 D12. 23 - 15'

Alt. -.18

O.C.

	RC.4	SC.3	SC.3		Curve			Magn	RC.3	RC.3		Curve	Magn	Curve	Magn.
1	6.2 6.1	6 5.2		6.20 00	2.05	2.85	9.05	8.25	8.9	8.9	8.90 00	-0.60	30 ~~8.45~~	-0.95	7.95
2	5.0 4.9	3 5.7		5.15 21	2.42	3.39	8.54	7.57	8.4	8.4	8.40 00	-0.49	7.91	-0.88	7.52
3	6.2 6.1	6.2		6.20 00	2.05	2.85	9.05	8.25	9.1	9.2	9.15 10	-0.67	8.48	-0.99	8.16
4	6.6 6.5	6.9		6.75 21	1.95	2.60	9.35	8.70	9.5	9.5	9.50 00	-0.73	8.77	-1.00	8.50
5	6.2 6.1	6.1		6.15 01	2.06	2.87	9.02	8.21	9.3	9.3	9.30 00	-0.69	8.61	-1.00	8.30
6	6.7 6.6	6.9		6.80 11	1.94	2.58	9.38	8.74	9.5			-0.73	8.77	-1.00	8.50
7	6.7 6.6	7.2		6.95 32	1.92	2.51	9.46	8.87	9.9			-0.81	9.09	-1.00	8.9[illegible]
8	7.0 6.9	7.3		7.15 21	1.90	2.43	9.58	9.05	9.5			-0.73	8.77	-1.00	8.50
9		7.5			1.88	2.30	9.80	9.38	9.8			-0.79	9.01	-1.00	8.80
10		7.5			1.88	2.30	9.80	9.38	10.1			-0.84	9.26	-0.98	9.12
11		7.7			1.87	2.22	9.92	9.57	m.s.						
12		7.7			1.87	2.22	9.92	9.57							
13		7.6			1.88	2.24	9.84	9.48							
14		8.2			1.89	2.05	10.25	10.09							
15		8.4	8.2	8.30 11	1.90	2.02	10.32	10.20							
16		8.2	8.2	8.20 00	1.89	2.05	10.25	10.09							
16a		8.5			1.92	1.98	10.48	10.42							
17		9.1			2.00	1.90	11.00	11.10							
18		8.9			1.97	1.93	10.83	10.87							
19		9.3			2.05	1.89	11.19	11.35							
20		9.2	9.3	9.25 01	2.04	1.89	11.14	11.29							
21		9.2	9.3	9.25 01	2.04	1.89	11.14	11.29							
22		9.5	9.5	9.50 00	2.09	1.88	11.38	11.59							
23		9.7	9.7	9.70 00	2.12	1.87	11.57	11.82							
24		9.7	9.9	9.80 11	2.14	1.87	11.67	11.94							
seen but image too faint to compare 25		·	tf	q		q	q				Ch. P.C.				
26		n.s.													

Friday January 1, 1915.

Scale V

MD Series 107

		MD 3662			Pole.	P.C.		
		sc.2	sc.3	sc.3		sc.2	sc.3	sc.3
not comp.	5	.	B.			Scratched.		
"	6	4.4 4.3	B			8.0	7.9	7.95 01
	8	6.4 6.3	6.2		6.30 11	9.1	9.1	9.10 00
	9	6.7 6.6	6.6		6.65 10	9.7	8 9.7	9.75 10
	10	.	7.3			10.0	10.0	10.00 00
	11		7.7					
	12		7.9					
	13		8.4					
	14		8.7	8.7	8.70 00			
	15		9.1	8.9	9.00 11			
	16		9.3	9.4	9.35 10			
	17		9.5	9.5	9.50 00			
	18		9.9	9.9	9.90 00			
	19		f.	f.	F			
	20		m.s.					
	23		m.s.					

Sept 28

Ch. F.C.

Friday January 1, 1915

Scale V

MD Series 109

MD 3677 Bole.

P.C.

	Sc.2	Sc.3	Sc.3			MD 3683 +33	Mean		Sc.2 Diff	Sc.3	Sc.3			MD 3683 +33	Mean		
5	3.6 3.5					4.4	3.95	4 4	2.54	7.7	7.6	7.65	1 0	7.70	7.68	03 02	-1.19
6	*5 5.2 4.1	B.				5.25	5.22	02 03	1.89	8.5	8.7	8.60	1 1	8.75	8.68	08 07	-1.57
8	6.4 6.3	6.6		6.50	1 1	6.55	6.52	02 03	1.71	9.7	9.7	9.70	0 0	9.55	9.62	08 07	-1.39
9		7.3				7.4	7.35	1 0	1.48	10.0	10.1	10.05	0 1	9.95	10.00	05 05	-1.17
10		7.6				7.6	7.60	0 0	1.42	10.2 ?	F.			10.1 2	10.15	0 1	-1.13
11		7.9				8.1	8.00	1 1	1.55								
12		8.2				8.3	8.25	0 1	1.61								
13		8.7	8.8	8.75	1 0	8.65	8.70	05 05	1.60								
14		9.2	9.2	9.20	0 0	9.15	9.18	02 03	1.47								
15		9.5	9.5	9.50	0 0	9.50	9.50	00 00	1.58								
16		9.9	9.9	9.90	0 0	9.70	9.80	10 10	1.60								
17		10.1	10.1	10.10	0 0	.	10.10	a .	1.53								
18		F.				9.90	9.90	. a	2.16								
19		m.s.															
20																	
23																	

* MD 3677.

Nos. 5 + 6 remeasured independently. Ch. F. C.

No. 5 Sc. 1 3.7

" 6 5.1 Evidently Error of unit.

O. Jan. 8, 1915.

Friday January 1, 1915

Scaled

MD Series 109. Copied

		MD 3681			D 12		23 - 15°					
							alt. 18 P.C.					
		Ac.2	Ac.3	Ac.3		Curve	Magn	Ac.3	Ac.3		Curve	Magn
	1	6.9 6.8	6.8		6.85 10	1.63	8.48	9.7	9.7	9.70 00	-1.33	8.37
	2	5.9 5.8	5.8		5.85 10	1.78	7.63	9.4	9.3	9.35 01	-1.41	7.94
	3	7.0 6.9	7.2		7.10 11	1.61	8.71	9.9	9.9	9.90 00	-1.24	8.66
	4	f.	7.4			1.56	8.96	10.0	10.0	10.00 00	-1.20	8.80
	5	6.8 6.7	7.0		6.90 11	1.63	8.53	9.9	9.8	9.85 10	-1.28	8.57
poor	6		7.5			1.56	9.06 q	10.1		~~10.10 00~~	-1.15	8.95
	7		7.6			1.54	9.14					
	8		7.7			1.54	9.24					
	9		8.1	8.0	8.05 10	1.53	9.58					
	10		7.8	7.9	7.85 01	1.53	9.38					
	11		8.4	8.5	8.45 01	1.51	9.96					
	12		8.3	8.4	8.35 10	1.50	9.85					
	13		8.3	8.2	8.25 10	1.50	9.75					
	14		8.9	8.8	8.85 10	1.54	10.39					
	15		8.7	8.6	8.65 10	1.52	10.17					
	16		9.1	9.0	9.05 10	1.55	10.60					
	16a		9.3	9.4	9.35 10	1.59	10.94					
	17		9.7	9.7	9.70 00	1.64	11.34					
poor	18		9.5	9.5?	9.50 00 ?	1.60	11.10 ? q					
	19		9.8	9.7	9.75 01	1.65	11.40					
	20		9.6	9.7	9.65 01	1.63	11.28					
	21		t.f.	t.f.		q	q					
	22		10.1	10.0	10.05 10	1.69	11.74					
	23											
	24											

Ch. F.C.

Friday January 1, 1915.

Scale ✓

MD Series 109.

	MD 3683			Pole-	P.C.		
	ac.2	ac.3	ac.3		ac.3	ac.3	
5	4.4 4.3	B.			7.7	7.7	7.70 00
6	5.2 5.1	5.3		5.25 01	8.7	8.8	8.75 10
8	6.6 6.5	6.5		6.55 01	9.5	9.6	9.55 10
9		7.4			9.9	10.0	9.95 10
10		7.6			10.1?		
11		8.1					
12		8.3					
13		8.7	8.6	8.65 10			
14		9.1	9.2	9.15 10			
15		9.5	9.5	9.50 00			
16		9.7	9.7	9.70 00			
17		t.f.					
18		9.9	9.9	9.90 00			
19		f	f				
20		n.s.	n.s.				
23							

See p. 31

12:42

Saturday January 9. 1915.

Scale. R.

9:20

Series 399.

MC 7211 Rejected Jan. 2, 1919 For re-reduction, see page 48

	MC. 7211 sc.1	sc.2	sc.?	Pole -	mc 7216 p 40	mc 7222 p48	Mean	Diff		P.C. sc.1	sc.			mc 7216 p40	mc 7222 p48	
5										6.8 6.5				7.6	7.1	7.17 4 4 1
6										7.8 7.5	7.5		7.65 21	7.85	7.75	7.75 10 10 00
8										9.2 8.9	9.1		9.15 01	9.10	9.15	13 02 03 9.22 05 12 02
9										~~9.9~~	9.9	10.1	10.00 11	10.35	10 9.35	10.23 23 12 12
10	3.8 3.5				5.5	4.8	4.70	09 08 1	4.32		10.4 ~~9.6~~	10.3	10.35 01	10.45	10.50	10.43 08 02 07
11	4.8 4.5				5.8	5.7	5.43	6 4 3	4.12		11.1			10.9	11.4	11.13 0 2 3
12	5.4 5.1				6.2	6.4	6.00	6 2 4	3.86		11.3			11.5	11.8	11.53 2 0 3
13	6.2 5.9				6.8	6.8	6.60	4 2 2	3.70		11.6			11.9	12.2	11.90 3 0 3
14	6.5 6.2				7.6	7.0	7.03	5 6 0	3.62		12.3			12.4	12.4	12.37 1 0 0
15	7.4 7.1	B.			7.80	7.65	7.62	2 20 18 03	3.46		13.1			13.1	13.1	13.10 0 0 0
16	7.8 7.5	7.5		7.65 21	8.25	7.80	7.90	25 35 10	3.50		13.4			13.5	13.5	13.47 1 0 0
17	8.5 8.2	8.2		8.35 12	8.55	8.35	8.42	07 13 07	3.21		t.fr.			13.8	.	13.80 q u.
18		9.3			9.4	9.00	9.23	07 17 23	2.83							
19		10.3			9.8	9.5	9.87	4 1 4	2.55							
20		10.4			10.2	10.4	10.33	1 1 1	2.40							
23		11.3			11.3	10.7	11.10	2 2 4 ~~8 2 6~~	2.24							
25		11.1			11.6	11.5	11.60	10 1	2.27							
26		12.2			12.25	12.10	12.18	02 07 08	2.15							
27		13.1	12.6 12.9	12.87 2 3 0	12.55	12.75	12.72	15 17 03	1.97							
28		13.3	13.3 ~~12~~	13.30 0 0	13.25	13.10	13.22	12 08 03 ~~11~~	1.89							
29		13.1	13.6	13.65 1 0	13.55	13.45	13.55	10 00 10	2.11							
30		13.9	13.8	13.85 1 0	13.90	13.65	13.80	05 10 15	2.24							
31		14.1	14.1	14.10 0 0	F	F	14.10	a . .	2.12							

Ch. F. C.

Brightest and faintest images are ~~sharp~~ hazy, medium ones are sharp.

Saturday January 9, 1915.

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Card.

Scale R

Series 399. copied.

Mc 7212 | 72 K | 4 10 +15.2

Alt. +.15

P.C.

−	Cu.	magn		sc.1	sc.2	sc.2		Curve	Magn	sc.1	sc.2	sc.2	sc.1		Curve	Magn	Cu.	magn.
−0.68	α	B	1 5	B.						7.1 6.8			7.1 6.8	7.10 00	~~−0.51~~	~~6.59~~	−0.67	6.43
−0.64	3.64	9.84	2 8	6.7 5.9				~~3.84~~	~~10.04~~		11.7	11.5		11.60 11	~~−1.63~~	~~9.97~~	−1.70	9.90
−0.90	3.51	10.18	3	6.8 5.5				~~3.66~~	~~10.46~~		11.9	11.6		11.75 12	~~−1.66~~	~~10.09~~	−1.72	10.03
−1.40	3.47	10.47	4	7.0 6.7	B.			~~3.60~~	~~10.60~~		12.1	12.1		12.10 00	~~−1.74~~	~~10.36~~	−1.80	10.30
−1.41	3.37	10.82	5	7.6 7.3	7.3		7.45 21	~~3.48~~	~~10.93~~		12.5	12.6		12.55 10	~~−1.86~~	~~10.69~~	−1.88	10.67
−1.58	3.29	10.99	6	7.8 7.5	7.6		7.70 11	~~3.40~~	~~11.10~~		13.1				~~−2.00~~	~~11.10~~	−2.00	11.10
−1.67	3.16	11.36	7	8.3 8.0	8.1		8.20 11	~~3.23~~	~~11.43~~		def.						v	g
−1.60	3.00	11.70	8	8.7 8.4	8.7		8.70 00	~~3.08~~	~~11.78~~		14.1							
−1.72	2.82	12.07	9	9.3 9.0	9.2		9.25 10	~~2.86~~	~~12.11~~									
−2.02	2.65	12.45	10		9.8			~~2.6~~~~7~~ 3	~~12.4~~~~7~~ 3									
−2.07	2.53	12.83	11		10.3			~~2.50~~ 46	~~12.80~~ 76									
−2.17	2.49	13.39	12		10.9			~~2.29~~	~~13.19~~									
	2.30	13.60	13		11.3			~~2.21~~	~~13.51~~									
	2.28	13.68	14		11.5	11.3	11.40 11	~~2.19~~	~~13.59~~									
	2.16	14.26	15		12.1	12.1	12.10 00	~~2.12~~	~~14.22~~									
	2.05	14.55	16		12.4	12.6	12.50 11	~~2.08~~	~~14.58~~									
	2.05	15.05	17		12.9	13.1	13.00 11	~~2.07~~	~~15.07~~									
	2.13	15.73	18		13.6	13.6	13.60 00	~~2.13~~	~~15.73~~									

Ch. P.C.

Saturday January 9, 1915. Copied Bk 35.99.

Cand.

Scale R

Series 399. Copied.

			MC 1213		96 K	4^{h} ~~3~~ 48 $0^{\circ}.0$									
					alt. +.05	P.C.									
Cu	magn.		RC.1	RC.2	RC.2		Curve	Magn	RC.	RC.2	RC.2			Cu.	
3.78	9.38	1	5.6 5.3				4.02	9.62	10.6	10.7	10.65 01	~~-1.42~~	~~9.23~~	-1.49	9.16
3.78	9.38	2	5.6 5.3				4.02	9.62	10.6	10.7	10.65 01	~~-1.42~~	~~9.23~~	-1.49	9.16
3.70	9.70	3	6.0 5.7				3.90	9.90	11.1	11.3	11.20 11	~~-1.53~~	~~9.67~~	-1.62	9.58
3.53	10.23	4	6.7 6.4				3.69	10.39	nearly superposed.					q	q
41 3.38	10.66	5	7.4 7.1	7.1		7.25 21	3.53	10.78	11.8	11.7	11.75 01	~~-1.66~~	~~10.09~~	-1.72	10.03
3.29	10.99	6	7.8 7.5	7.6		7.70 11	3.40	11.10	12.5			~~-1.84~~	~~10.66~~	-1.88	10.62
3.01	11.66	7	8.5 8.2	8.8		8.65 12	3.10	11.75	13.7			~~-2.16~~	~~11.54~~	-2.15	11.55
2.77	12.17	8		9.4			2.79	12.19							
2.63	12.53	9		9.9			2.60	12.50							
4 2.58	12.98	10		10.5			2.40	12.90							
2.46	13.06	11		10.6			2.36	12.96							
2.30	13.60	12		11.3			2.21	13.51							
2.28	13.68	13		11.4	11.4	11.40 00	2.19	13.59							
2.11	14.46	14		12.4	12.3	12.35 01	2.09	14.44							
2.13	14.33	15		12.2	12.2	12.20 00	2.10	14.30							
2.05	15.05	16		13.1	12.9	13.00 11	2.07	15.07							
2.10	15.60	17		13.5	13.5	13.50 00	2.10	15.60							

Ch. F.C.

Saturday January 9, 1915

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Scale R

Series 399

~~Copied.~~

Mc. 72,4 | 121 K | 5 14-149

alt-19

P.c.

Cu	Magn		sc.1	sc.2	sc.3		Curve	Magn	sc.1	sc.2	sc.3		Curve	~~Magn~~	Cu.	Magn
		1	B						7.9 7.6	7.7		7.80 11	-0.66	7.14	-0.76	7.04
		2	34 3.1						8.7 8.4	8.5		8.60 11	-0.86	7.74	-0.90	7.70
		3	44 4.1				4.35 ~~4.42~~	8.76 ~~8.52~~	9.7	9.7		9.70 00	-1.14	8.56	-1.21	8.49
3.66	9.76	4	61 5.8				3.87 ~~3.96~~	9.97 ~~9.76~~	11.6	11.5		11.55 01	-1.60	9.95	-1.68	9.87
3.51	10.31	5	68 6.5				3.66 ~~3.75~~	10.46 ~~10.25~~	11.7	12.1	11.8 poor	11.87 2 81	-1.69	10.18	-1.75	10.12
3.39	11.00	6	77 7.4				0 3.49	11.10 ~~10.89~~	12.2				-1.77	10.43	-1.81	10.39
3.26	11.06	7	78 7.5	B			37 ~~3.76~~	11.17 ~~10.96~~	12.6				-1.87	10.73	-1.90	10.70
3.12	$11.\overset{4}{\cancel{5}}2$	8	84 8.1	8.2 ~~7.7~~		8.30 11 ~~8.15 10~~	1 3.24	67 ~~11.39~~	13.4				-2.08	11.32	-2.07	11.33
3.06	11.56	9	87 8.4	8.3		8.50 22 ~~8.35 01~~	4 3.19	6 11.54	13.8				-2.18	11.62	-2.17	11.63
2.96	11.76	10	88 8.5	8.8		8.80 00 ~~8.65 10~~	08 3.1	83 ~~11.75~~	13.9				-2.20	11.70	-2.20	11.70
2.75	12.25	11		9.5			2.75	12.25								
2.56	12.66	12		10.1			2.52	12.62								
2.51	12.91	13		10.4			2.42	12.82								
2.34	13.44	14		11.1			2.24	13.34								
2.25	13.80	15		11.6	11.5	11.55 01	2.18	13.73								
2.13	14.33	16		12.3	12.1	12.20 11	2.10	14.30								
2.05	14.90	17		12.8	12.9	12.85 01	2.07	14.92								
2.06 Im. very poor.	15.36?	18		13.3?	13.3	13.30 ? 00	2.08	15.38 ?								
" 2.25	16.15	19		13.9	13.9	13.90 00	2.16	16.06								

Ch. F. C.

Saturday January 9, 1915

Copied, Bk 9a: 128.

Scale R

Series 399

Copied.

Cu.	Magn.		sc.1	sc.2	sc.2		Curve	Magn.	sc.1	sc.2	sc.2		Curve.	Magn.	Cu.	Magn.
		MC 7215				Neb. Orion			5 32-55 P.C.							
.	.	1	4.5 4.2				4.33	8.83	9.4	9.7		9.55 21	-1.13	8.42	-1.16	8.39
3.82	9.22	2	5.4 5.1				4.08	9.48	10.2	10.2		10.20 00	-1.29	8.91	-1.36	8.84
3.78	9.38	3	5.6 5.3				4.02	9.62	10.2	10.3		10.25 01	-1.30	8.95	-1.37	8.88
3.50	10.40	4	6.9 6.6				3.64	10.54	11.5	11.5		11.50 00	-1.59	9.91	-1.67	9.83
3.34	10.94	5	7.6 7.3	B.			3.43	11.03	12.5	12.4		12.45 10	-1.83	10.62	-1.87	10.58
3.27	11.02	6	7.9 7.6	7.6		7.75 12	8 3.32	13 11.17	12.6	12.5		12.55 01	-1.86	10.69	-1.89	10.66
3.05	11.55	7	8.6 8.3	8.4		8.50 11	3.14	11.64	13.5				-2.10	11.40	-2.10	11.40
2.77	12.17	8		9.4			2.79	12.19	J.				.	J		7
2.67	12.37	9		9.7			6 2.69	6 12.39								
2.57	12.67	10		10.1			2.52	12.62								
2.48	12.98	11		10.5			2.40	12.90								
2.48	12.98	12		5 10.~~8~~			2.40	12.90								
2.39	13.29	13		10.9			2.29	13.19								
2.26	13.76	14		11.5			2.18	13.68								
2.15	14.30	15		12.1	12.2	12.15 10	2.11	14.26								
2.06	14.66	16		12.7	12.5	12.60 11	2.08	14.68								
2.05	14.80	17		12.8	12.7	12.75 04	2.07	14.82								
2.09	15.54	22 ~~18~~		13.5	13.4	13.45 10	2.09	15.54								
2.16	15.81	19		13.7	13.6	13.65 10	2.13	15.78								
.	.	20		w.s.		.	.	.								
3.55	10.15	751	6.6 6.3				3.72	10.32	11.5				-1.59	9.91	-1.67	9.83
.	B	554	B .80				~~3.2~~	B	8.7 8.4						-0.94	7.76
3.25	11.10	303	~~8.4~~ 7.7	7.7		7.85 21	3.36	11.21	12.7?				-1.89	10.81	-1.92	10.78?
3.14	11.39	497	8.4 8.1	8.1		8.25 21	3.22	11.47	~~12.6~~ t.f.				.	9		9
3.36	10.86	746	7.5 7.2				3.46	10.96	11.8				-1.67	10.13	-1.74	10.06
3.77	9.37	924	5.6 5.3				4.02	9.62	10.4				-1.36	9.04	-1.44	8.96

See also next page

Saturday January ?10, 1915

Scale R

Series 399.

Mc 1215 cont Neb. Orion

Alt-0.1

	sc.1	sc.2	sc.2			Curve	Magn	Cu	Magn.
a		10.1				~~2.52~~	~~12.62~~	2.57	12.67
b		10.7				~~2.33~~	~~13.03~~	2.43	13.13
c		11.1				~~2.24~~	~~13.34~~	2.35	13.45
d		11.6				~~2.16~~	~~13.76~~	2.24	13.84
e		12.2				~~2.10~~	~~14.30~~	2.13	14.33
f		12.3				~~2.09~~	~~14.39~~	2.12	14.42
g		12.5	12.6	12.55	10	~~2.08~~	~~14.63~~	2.07	14.62
h		13.1	13.2	13.15	10	~~2.07~~	~~15.22~~	2.05	15.20
k		13.4	13.4	13.40	00	~~2.09~~	~~15.49~~	2.07	15.47
l		13.9	13.9	13.90	00	~~2.16~~	~~16.06~~	2.25	16.15
m		n.s.	n.s.						

Ch. F. C.

Saturday January 9, 1915.

Scale R.

Series 399.

	MC 7216			Pole	P.C.			
	sc.1	sc.2	sc.2		sc.1	sc.2	sc.2	
5					7.6 7.3			
6					8.0 7.7	7.7		7.85 21
8					9.1 8.8	9.1		9.10 00
9						10.4	10.3	10.35 01
10	5.5 5.2					10.5	10.4	10.45 10
11	5.8 5.5					10.9		
12	6.2 5.9					11.5		
13	6.8 6.5	B.				11.9		
14	7.6 7.3	B. ~~7.2~~				12.4		
15	7.9 7.6	7.7		7.80 11		13.1		
16	8.4 8.1.	8.1		8.25 21		13.5		
17	8.7 8.4	8.4		8.55 12		13.8		
18		9.4						
19		9.8						
20		10.2						
23		11.3						
25		11.6						
26		12.3	12.2	12.25 10				
27		12.5	12.6	12.55 10				
28		13.2	13.3	13.25 01				
29		13.6	13.5	13.55 01				
30		13.9	13.9	13.90 00				
31		f.	f.	.				
32		m.s.		.				

Ch. P.C.

Saturday January 9. 1915.

Copied Bk 7: 168

Card.

Scale R. Series 399. Copied.

Mc 7217 | 26 Ks. | 6 21 - 3.8°

Alt. +.02 | O.C.

Cu	Magn		SC.1	SC.2	SC.2		Curve.	Magn	SC.1	SC.2	SC.2		Curve	Magn	Cu	Magn.
		1	2.7 2.4						7.6 7.3	7.5		7.55 01	-0.62	6.93	-0.72	6.83
3.98ε	8.73ε	2	4.8 4.5				4.24	9.04		10.1	9.9	10.00 11	-1.24	8.76	-1.29	8.71
3.87	9.57	3	5.7 5.4				3.99	9.69		10.5	10.6	10.55 10	-1.40	9.15	-1.47	9.08
3.60	10.00	4	6.4 6.1				3.78	10.18		12.1 t.p.			-1.75	10.35	-1.80	10.30
3.46	10.51	5	7.0 6.7	7.1		7.05 01	3.60	10.65		12.4	12.3	12.35 01	-1.80	10.55	-1.85	10.50
3.14	11.39	6	7.9 7.6	8.6		8.25 34	3.22	11.47		13.2			-2.03	11.17	-2.02	11.18
2.97	11.77	7	8.9 8.6	8.7		8.80 11	3.03	11.83		13.9?			-2.20	11.70?	-2.20	11.70?
2.56	12.76	8		10.2	10.2	10.20 00	2.49	12.69		m.s.						
2.56	12.76	9		10.1	10.3	10.20 11	2.49	12.69								
2.41	13.21	10		10.8			2.31	13.11								
2.34	13.44	11		11.1			2.24	13.34								
2.26	13.76	12		11.5			2.18	13.68								
2.26	13.76	13		11.5			2.18	13.68								
2.10	14.50	14		12.4	12.4	12.40 00	2.09	14.49								
2.11	14.46	15		12.2	12.5	12.35 21	2.09	14.44								
2.07	14.67	16		12.7	12.5	12.60 11	2.07	14.67								
2.06	14.66	17		12.5	12.7	12.60 11	2.07	14.67								
2.20	15.95	18		13.6	13.9	13.75 21	2.14	15.89								

Ch. F.C.

O.C. poor.

Saturday January 9, 1915

Copied Bk 7:125

Scale R. Series 399 Copied. Card

MC 7218 122 K. b 12-15.1

Alt -.18 P.C.

Cu	Magn		RC.1	RC.2	RC.2		Curve	Magn	RC.2	RC.2	RC.2		Curve	Magn	Cu.	Magn.
3.82	9.22	1	$\overset{54}{5.1}$				408	9.48	10.4	10.4	10.40 00		-1.37 5	9.03 5	$\overset{.43}{-1.57}$	8.94
3.76	9.46	2	$\overset{57}{5.4}$				379	969	$\overset{10}{9.5}$	10.4	10.45 10		-1.38	907	$\overset{.44}{-1.56}$	9.01
3.64	9.84	3	$\overset{6.2}{5.9}$				3.84	10.04	11.7	11.6	11.65 10		-163	10.02	-1.70	9.95
3.48	10.88	4	$\overset{7.4}{7.1}$	B.			349	10.89	12.2	12.1	12.15 01		-1.76	10.39	-1.81	10.34
3.33	10.93	5	$\overset{76}{7.3}$	7.6		7.60 00	3.43	11.03	12.5	12.3	12.40 11		-1.82	10.58	-1.86	10.54
3.12	11.42	6	$\overset{8.4}{8.1}$	8.2		8.30 11	3.21	11.51	13.5				-2.10	11.40	-2.10	11.40
3.02	11.62	7	$\overset{8.8}{8.5}$	8.4		8.60 22	3.11	11.71	m.s.							
2.80	12.10	8		9.3			284	12.14								
2.63	12.53	9		9.9			260	12.50								
2.48	12.98	10		10.5			240	12.90								
2.34	13.44	11		11.1			224	13.34								
scratch thru star.		12														
2.17	14.17	13		12.1	11.9	12.00 11	2.12	14.12								
2.24	13.84	14		11.6	11.6	11.60 00	2.14	13.74								
2.12	14.37	14a ~~15~~		12.2	12.3	12.25 01	2.10	14.35								
2.08	poor 15.48?	15		13.4	13.4?	13.40 00 ?	2.09?	15.47?								
2.16	15.81	16		13.7	13.6	13.65 10	2.13	15.78								

Ch. F. C.

Saturday January 9, 1915

Copied Bk 7:166

Card.

Scale R

Series 399

Copied.

			MC 7219			24 KS	6 30 +10.9									
						Alt +1.15	O.C.									
Cu	Magn		sc.1	sc2	sc2		Curve	Magn.	sc.1	sc.2	sc.2			Magn.	Cu.	Magn
.		1	4.4 4.1				4.34	8.74	8.9 8.6				-0.93	7.97	-0.97	7.93
3.76	9.46	2	5.7 5.4				3.99	9.69	10.6	10.7		10.65 01	-1.42	9.23	-1.49	9.16
3.71	9.61	3	5.9 5.6				3.93	9.83	10.6	10.7		10.65 01	-1.42	9.23	-1.49	9.16
3.50	10.30	4	6.8 6.5				3.67	10.47	11.7	11.7		11.70 00	-1.64	10.06	-1.71	9.99
3.33	10.93	5	7.6 7.3	B.			3.43	11.03	12.2	12.2		12.20 00	-1.77	10.43	-1.81	10.39
3.07	11.52	6	8.6 8.3	8.3		8.45 21	3.16	11.61	13.1				-2.00	11.10	-2.00	11.10
2.75	12.25	7		9.5			2.75	12.25	m.s.				.		.	.
2.77	12.17	8		9.4			2.79	12.19								
2.57	12.67	9		10.1			2.52	12.62								
2.44	13.14	10		10.7			2.33	13.03								
2.38	13.33	11		11.2	10.9	10.95 21	2.28	13.23								
2.27	13.72	12		11.4	11.5	11.45 01	2.19	13.64								
2.10	14.60	13		12.5	12.5	12.50 00	2.08	14.58								
2.05	15.15	14		13.1	13.1	13.10 00	2.07	15.17								
2.10	15.60	15		13.5	13.5	13.50 00	2.10	15.60								
		~~16~~														
		~~17~~														
		~~18~~														
		~~19~~														

Ch. F.C.

1:30

Saturday January 9. 1915

Copied Bk8:114

Card

Scale R. Series 399. copied.

MC 7220 D4 7 - 15°

Alt. 18

Q.C.

Cu	magn.		pc.1	pc.2	pc.2	Curve	Magn	pc.1	pc.2	pc.2	Curve	Magn	Curve	magn
.		1	Q.					7.8 7.5	7.5	765 2i	-0.63	7.02	-0.73	6.92
.		2	3.5 3.2					8.4 8.1	8.2	830 1i	-0.78	7.52	-0.84	7.46
.		3	3.4 3.1					8.0 7.7	8.2	810 1i	-0.73	7.37	-0.80	7.30
.		4	3.3 3.0					8.6 8.3	8.85	855 0i	-0.86	7.69	-0.90	7.65
.		5	4.1 3.8			4.42	8.52	9.0 8.7	8.7	885 2i	-0.92	7.93	-0.96	7.89
.		6	4.6 4.3			4.30	8.90		9.6		-1.13	8.47	-1.17	8.43
.		7	4.2 3.9			4.39	8.59		9.5		-1.08	8.42	-1.14	8.36
3.81	9.21	8	5.4 5.1			4.08	9.48		10.3		-1.33	8.97	-1.40	8.90
.	.	9	4.2 3.9			4 4.30	6 8.50		9.3		-1.03	8.27	-1.07	8.23
3.81	9.21	10	5.4 5.1			4.08	9.48		10.4?		-1.37	9.03?	-1.43	8.97?
3.80	9.30	11	5.5 5.2			4.04	9.54		t.p.		.	q	.	q
3.73	9.53	12	5.8 5.5			3.95	9.75		11.4		-1.58	9.82	-1.66	9.74
3.80	9.30	13	5.5 5.2			4.04	9.54		11.4		-1.58	9.82	-1.66	9.74
3.55	10.15	14	6.6 6.3			3.72	10.32		11.8? poor		-1.67	10.13? q	-1.73	10.07? q
3.57	10.07	15	6.5 6.2	pc.1 6.5 6.2	B. 650 00	3.74	10.24		t.p.		.	q	.	q
3.66	9.76	16	6.1 5.8	6.1 5.8	B. 610 00	3.87	9.97		def.		.	R	.	q
3.53	10.18	17	6.8 6.5	6.5 6.2	B. 665 2i	3.71	10.36		12.3		-1.79	10.51	-1.84	12.46
3.57	10.07	18	6.5 6.2	6.5 6.2	B. 650 00	3.74	10.24		12.4		-1.82	10.58	-1.87	10.53
3.50	10.30	19	6.8 6.5		B.	3.66	10.46		t.p.		.	q	.	q
3.38	10.78	20	7.4 7.1		B.	3.49	10.89		12.7		-1.89	10.81	-1.92	10.78
3.31	10.96	21	7.8 7.5	7.5	765 2i	3.42	11.07		13.5		-2.11	11.39	-2.10	11.40
3.14	11.39	22	8.4 8.1	8.1	825 2i	3.22	11.47		F.		.	F		F
3.06	11.56	23	8.5 8.2	8.5	850 00	3.14	11.64							
2.94	11.84	24	8.7 8.4	9.1	890 22	3.00	11.90							
2.77	12.17	25		9.4		2.79	12.19							
2.83	12.03	26		9.2		2.88	12.08							

PC's [illegible] - some are [illegible] scale.

Saturday January 9, 1915

Scale R

Series 399. Copied.

Mc 7220 D4 7 - 15°

Alt. 18

	sc.1	sc.2	sc.2	Curve	Magn	Curve ~~23~~	Magn.
27	10.3			~~2.46~~	~~12.76~~	2.53	12.83
28	10.4			~~2.42~~	~~12.82~~	2.50	12.90
29	10.7			~~2.33~~	~~13.03~~	2.43	13.13
30	10.9			~~2.29~~	~~13.19~~	$2.\overset{3}{\cancel{2}}9$	13.29
31	11.4			~~2.19~~	~~13.59~~	2.29	13.69
32	11.5			~~2.18~~	~~13.68~~	2.26	13.76
33	12.2			~~2.10~~	~~14.30~~	2.13	14.33
34	12.5	12.4	12.45 10	~~2.09~~	~~14.54~~	2.09	14.54
35	12.6	12.6	12.60 00	~~2.07~~	~~14.67~~	2.06	14.66
36	12.7	12.6	12.65 10	~~2.07~~	~~14.72~~	2.06	14.71
37	13.5	13.6	13.55 10	~~2.11~~	~~15.66~~	2.12	15.67
38	13.9	13.9	13.90 00	~~2.16~~	~~16.06~~	2.26	16.16
39	f				~~f~~		f
40	m.s						

Ch. F.C.

Saturday January 9, 1915

Copied Bk 8:64

Cards

Scale R

Series 399

Copied.

			MC 7 2 21			C4 Alt. +17	7 + 15° P.C.							
			sc.1	sc.2	sc.2		Curve	sc.1	sc.2	sc.2	Curve	Magn	curve	
Curve		1	B.					7.2 6.9	B.		-0.54	6.66	-0.68	6.52
·		2	2.4 2.1					7.9 7.6	B		-0.68	7.22	7 -0.78	7.13
·		3	2.4 2.1					7.8 7.5	7.9	7.85 01	-0.68	7.17	-0.76	7.09
-		4	3.7 3.4					8.2 7.9	8.6	8.40 22	-0.81	5 7.49	-0.87	7.53
·		4a	4.0 3.7					8.9 8.6	9.1	9.00 21	-0.97	8.03	-0.99	8.01
								magn						
·		5	4.4 4.1				4.34	8.74	9.1		-0.98	8.12	-1.02	8.08
·		6	4.2 3.9				4.39	8.59	9.2		-1.01	8.19	-1.06	8.14
·		7	4.5 4.2				4.33	8.83	10.1		-1.27	8.83	~~-1.34~~	See foot Pg. curve & magn
See foot of Pg.		8	5.4 5.1				4.08	9.48	9.6 *		-1.13	8.47	"	
"		9	5.4 5.1				4.08	9.48	10.6		-1.41	9.19	"	
"		*9a	5.6 5.3				4.02	9.62	11.2		-1.53	9.67	"	
3.71	9.61	10	5.9 ~~6.4~~ 5.6				4.03	9.93	11.5		-1.60	9.90	-1.59	9.91
3.57	10.07	11	6.5 6.2				3.74	10.24	11.6		-1.62	9.98 ~~10.08~~	-1.70	9.90
3.64	9.84	12	6.2 5.9				3.84	10.04	12.1		-1.74	10.36	-1.80	10.30
3.57	10.07	13	6.5 6.2				3.74	10.24	12.1		-1.74	10.36	-1.80	10.30
3.45	10.55	14	7.1 6.8				3.58	10.68	12.2		-1.77	10.43	-1.81	10.39
3.26	11.06	15	7.8 7.5	B.			3.36	11.16	13.1		-2.00	11. ~~9~~ 10	-2.00	11.10
3.27	11.02	16	7.8 7.5	7.7		7.75 01	3.38	11.13	13.1		-2.00	11.10	-2.00	11.10
3.17	11.32	17	8.2 7.9	8.1		8.15 01	3.24	11.39	13.5		-2.11	11.39	-2.10	11.40
2.98	11.73	18	8.8 8.5	8.7		8.75 01	3.03	11.78	F.			F		
2.86	11.96	19	9.1 8.8	9.1		9.10 00	2.92	12.02	m.s.					
2.60	12.60	20		10.1	9.9	10.00 11	2.56	12.56						
2.66	12.41	21		9.7	9.8	9.75 20	2.65	12.40						
2.57	12.67	22		10.1			2.52	12.62						
2.50	12.90	23		10.4			2.42	12.82						
2.35	13.45	24		11.1			2.24	13.34						
2.77	12.17	2		9.4			2.79	12.19						

Ch. P.C.

47 Remeasured Jan. 26, 1915.

curve	magn					curve	magn
		Star 4	4.7	P.C. no. 7	9.9	-1.26	8.64
3.87	8.97	8	5.1 4.8	" " 8	10.1	-1.32	8.78
3.81	9.21	9	5.4 5.1	" " 9	10.6	-1.48	9.12
3.76	9.46	9a	5.7 5.4	" " 9a	11.1	-1.60	9.50

Saturday January 9, 1915.

Scale R Series 399. Copied.

Mc7 2.21 C4 cont

Alt. + .17

	ac.2			Curve	Magn	Curve	Magn.
25	11.7			2.14	13.84	2.23	13.93
25a	11.4			2.19	13.59	2.28	13.68
25b	12.1			2.11	14.21	2.16	14.26
26	11.6			2.16	13.76	2.24	13.84
27	12.4	12.4	12.40 00	2.09	14.49	2.10	14.50
27a	12.1	12.1	12.10 00	2.11	14.21	2.16	14.26
27b	12.7	12.5	12.60 11	2.08	14.68	2.08	14.68
28	12.8	12.7	12.75 01	2.07	14.82	2.05	14.80
29	13.3	13.4	13.35 10	2.09	15.44	2.06	15.41

Ch. F. C.

Saturday January 9, 1915.

Sheet No. 113

Scale R.

Series 399

9:45

MC 7222 Pole.

P.C.

	sc.1	sc.2	sc.2		MC 7216 Pg40	Mean			Diff.	sc.1	sc.2		MC 7216 Pg40	Mean			Diff.
5	B.									7.1 6.8.	B.		7.60	7.35 ~~7.32~~	3	2	-0.86
6	B.									7.8 7.5	7.7	7.75 0 1	7.85	7.80	05	05	-0.69
8	B.									9.2 8.9	9.1	9.15 0 1	9.10	9.12	03	02	-0.89
9										10.4	10.3	10.35 0 1	10.35	10.35	0	0	-1.52
10	4.8 4.5.				5.5	5.15	35	35	3.87	10.5	10.5	10.50 0 0	10.45	10.48	02	03	-1.46
11	5.7 5.4				5.8	5.75	1	0	3.80	11.4			10.9	11.15	2	3	-1.60
12	6.4 6.1				6.2	6.30	1	1	3.56	11.8			11.5	11.65	2	1	-1.79
13	6.8 6.5				6.8	6.80	0	0	3.50	12.2			11.9	12.05	2	1	-1.75
14	7.0 6.7.	B.			7.6	7.30	3	3	3.35	12.4			12.4	12.40	0	0	-1.75
15	7.8 7.5	7.5		7.65 2 1	7.80	7.72	07	08	3.36	13.1			13.1	13.10	0	0	-2.02
16	7.9 7.6	7.7		7.80 1 1	8.25	8.02	22	23	3.20	13.5			13.5	13.50	0	0	-2.10
17	8.4 8.1.	8.3		8.35 0 1	8.55	8.45	10	10	3.18				13.8	13.80	.	a	-2.17
18	8.9 8.6	9.1		9.00 1 1	9.4	9.20	20	20	2.86								
19		9.5			9.8	9.65	3 ~~15~~	2 ~~15~~	2.77								
20		10.4			10.2	10.30	1	1	2.43								
23		10.7.			11.3	00 11.50	3 ~~2~~	3 ~~2~~	2.34 ~~1.84~~								
25		11.5			11.6	11.55	1	0	2.37								
26		12.1	12.1	12.10 0 0	12.25	12.18	08	07	2.15								
27		12.8	12.7	12.75 0 1	12.55	12.65	10	10	2.04								
28		13.1	13.1	13.10 0 0	13.25	13.18	08	07	1.93								
29		13.4	13.5	13.45 0 1	13.55	13.50	05	05	2.16								
30		13.7	13.6	13.65 1 0	13.90	13.78	13	12	2.26								
31		F.	F.	F	F	.	F	F	.								
32		n.s.															

Ch. P.C.

See p ~~27~~ 40

3:15

Monday January 11. 191~~4~~5.

Scale u

Series 403.

	Mc 1255				Pole.											
					Mc 7260 p. 54	Mean.		Diff.	P.e.				Mc 7260 p. 54	Mean		
5									5.7	5.6	5.65	1 0	5.40	5.52	13 12	0.97
6									6.4	6.4	6.40	0 0	6.00	6.20	20 20	0.91
8									7.2	7.4	7.30	1 1	7.00	7.15	15 15	1.08
9									7.5	7.5	7.50	0 0	7.60	7.55	05 05	1.28
10	4.4				4.4	4.40	0 0	4.62	7.7	7.9	7.80	1 1	7.65	7.72	08 07	1.30
11	4.7				R	4.70	a R	4.85	8.5				8.3	8.40	1 1	1.15
12	5.0				5.0	5.00	0 0	4.86	8.7				8.7	8.70	0 0	1.16
13	5.6				5.3	5.45	2 1	4.85	9.1? from.				9.1	9.10	0 0	1.20
14	5.9				5.6	5.75	1 2	4.90	9.5				9.4	9.45	1 0	1.20
15	6.4				6.0	6.20	2 2	4.88	9.6? from				9.7	9.65	0 1	1.43
16	6.6				6.3	6.45	2 1	4.95	10.1				10.0	10.05	1 0	1.35
17	6.7				def.?	6.70	a R	4.93								
18	7.2				7.1	7.15	0 1	4.91								
19	7.7				7.6	7.65	1 0	4.77								
20	7.9				7.7	7.80	1 1	4.93								
23	8.6	8.4	8.50	1 1	8.4	8.45	05 05	4.89								
25	8.7	8.7	8.70	0 0	8.70	8.70	00 00	5.17								
26	9.1	9.1	9.10	0 0	9.10	9.10	00 00	5.23								
27	9.4	9.4	9.40	0 0	9.35	9.38	02 03	5.31 ~~6.28~~								
28	9.8	9.6	9.70	1 1	9.75	9.72	02 03	5.39								
29	10.1	10.1	10.10	0 0	10.10	10.10	00 00	5.56								
30	f.	f.			F	F										
trace? 31	m.s.															

Ch. F. C.

Monday January 11. 1915.

Card.

Scale u - - Series 403 Copied.

Mo 7256 72 R 4 10 + 15.2

Alt. +.16

						P.C.				
				Curve.	Magn				Curve.	Magn
1	B					5.6	5.6	560 00	0.91	6.51
2	5.1			4.86	9.96	8.7	8.7	870 00	1.20	9.90
3	5.3			4.86	10.16	9.1?	8.8?	895? 12 [illegible]	1.23	10.18?
4	5.6			4.87	10.47	9.1	9.1	910 00	1.24	10.34
5	5.8			4.88	10.68	9.3	9.4	935 10	1.28	10.63
6	6.2			4.89	11.09	9.7	9.7	970 00	1.33	11.03
7	6.4			4.89	11.29		def.			
8	6.7			4.89	11.59					
9	7.2			4.91	12.11					
10	7.6			4.91	12.51					
11	7.8			4.93	12.73					
12	8.4			5.04	13.44					
13	8.6	8.6	860 00	5.09	13.69					
14	8.4	8.4 8.5	843 00 1	5.04	13.47					
15	8.9	8.8	885 10	5.15	14.00					
16	9.4	9.4	940 00	5.32	14.72					
17	9.8	9.6	970 11	5.42	15.12					
18	10.1	10.0	1005 10	5.54	15.59					

Ch. F.C.

Monday January 11, 1915

Card.

Scale V Series 403 Copied.

MC 7257 96 R.-

Alt. +0.5

B.e.

					Curve	Magn					Curve	Magn
1	4.6	4.4	4.50	11	4.82	9.32	7.8? poor	7.8	? 7.80	00	1.12	8.92 ?q
2	4.4	4.5	4.45	01	4.81	9.26	8.2	8.3	8.25	01	1.16	9.41
3	4.6				4.83	9.43	8.3	8.4	8.35	10	1.17	9.52
4	5.0				4.86	9.86	too close to another star.					R
5	5.6				4.88	10.48	9.3	9.2	9.25	10	1.27	10.52
6	6.0				4.89	10.89	9.5				1.29	10.79
7	6.7				4.90	11.60	10.1				1.40	11.30
8	7.4				4.92	12.31						
9	7.5				4.92	12.42						
10	8.2	8.2	8.20	00	5.00	13.20						
11	8.1	8.2	8.15	10	4.99	13.14						
12	8.5				5.07	13.57						
13	8.6	8.6	8.60	00	5.09	13.69						
14	9.3	9.4	9.35	10	5.31	14.66						
15	9.4	9.3	9.35	01	5.31	14.66						
16	9.3	9.5	9.40	11	5.3~~7~~1	14.7~~7~~1						
~~17~~	10.1	10.1	10.10	00	5.56	15.66						
~~18~~												

Ch. F. C.

Monday January 11, 1915.

Card.

Scale v Series 403 Copied

MC 7259 Nst. Orion 5.5 – 5.5

Alt. .00 / .18

					Curve.	Magn	P.C.			Curve.	Magn
	1	3.8				.	7.0	7.1	7.05 01	1.03	8.08
	2	4.0			4.77	8.77	7.5	7.4	7.45 10	1.08	8.53
	3	4.0			4.77	8.77	7.5	7.5	7.50 00	1.09	8.59
	4	5.0			4.85	9.85	8.6	8.6	8.60 00	1.19	9.79
	5	5.6			4.88	10.48	9.1	9.1	9.10 00	1.24	10.34
	6	5.8			4.88	10.68	9.2			1.26	10.46
Elong. image	7	6.5			4.89	11.39	f			.	f?
	8	7.3			4.91	12.21					
	9	7.6			4.91	12.51					
	10	7.6			4.91?	12.51					
	11	7.6			4.91?	12.51					
	12	7.7			4.92	12.62					
	13	8.4			5.04	13.44					
	14	8.7			5.12	13.82					
	15	8.7	8.7	8.70 00	5.12	13.82					
	16	9.3	9.1	9.20 11	5.26	14.46					
	17	9.7	9.5	9.60 11	5.39	14.99					
	22 ~~18~~	9.7	9.6	9.65 10	5.40	15.05					
	19	9.9	9.9	9.90 00	5.49	15.39					
	20	m.S.			.	.					
	757	4.9			4.85	9.75	8.3	8.5	8.40 11	1.17	9.57
	554	B.			.	.	6.4	6.5	6.45 01	0.97	7.42
	303	5.1			4.87	10.57	9.3	9.3	9.30 00	1.27	10.57
	497	6.1			4.89	10.99	9.5	9.5	9.50 00	1.29	10.79
	746	5.6			4.88	10.48	8.7 very poor	8.6?	8.65 10	1.19	9.84?
	924	4.5			4.82	9.32	7.5	7.7	7.60 11	1.09	8.69

P.C.'s are poor, especially the above last 6 stars

Monday January 11, 1915

Scale 7L

Copied

Mc 1259 cont Neb. Orion

Alt. 11.00

P.C.

		Curve	Magn
a	7.5	4.92 ?	12.42 ?
b	8.2	5.00	13.20
c	8.5	5.07	13.57
d	8.5	5.07	13.57
e	8.7	5.12	13.82
f	9.1	5.23	14.33
g	9.4	5.32	14.72
h	9.7	5.43	15.13
k	9.9	5.50	15.40
l	10.2 ?	5.61	15.81 ?
m	m.s.		

Ch. F. C.

Monday January 11, 1915

Scale U

Series 403.

		Mc 7260			Pole.			
						O.C.		
	5					5.4	5.4	5.40 00
	6					~~6.9~~ 6.1	5.9	6.00 11
	8					6.9	7.1	7.00 11
	9					7.6	7.6	7.60 00
	10	4.4				7.6	7.7	7.65 01
near scratches	11	.				8.3		
	12	5.0				8.7		
	13	5.3				9.1		
	14	5.6				9.4		
	15	6.0				9.7		
	16	6.3				10.0		
	17	def?						
	18	7.1						
	19	7.6						
	20	7.7						
	23	8.4						
	25	8.7	8.7	8.70 00	!			
	26	9.1	9.1	9.10 00				
	27	9.4	9.3	9.35 01				
	28	9.8	9.7	9.75 01				
	29	10.1	10.1	10.10 00				
	30	f.	f	F				
	31	m.s.						
	32	m.s.						

Ch. F.C.

See p. 49

~~Monday~~ Tuesday January ~~11~~ 12, 1915.

Scale II

Series 403.

11:15 MC 7260 Pole -

						mc 7266 p 61			Diff.	P.C. sc.				mc 7266 p 61	Mean		
	5									5.5	5.5	5.50	0 0	6.45	5.98	48 47	0.51
	6									6.1	6.1	6.10	0 0	6.60	6.35	25 25	0.76
	8									6.9	7.1	7.00	1 1	7.75	7.38	38 37	0.85
	9									7.4	7.6	7.50	1 1	8.40	7.95	45 45	0.88
	10	4.4				4.7	4.55	2 1	4.47	7.6	7.7	7.65	0 1	8.40	8.02	37 38	1.00
	11	def.?				5.3	5.30	. a	4.25	8.4				8.6	8.50	1 1	1.05
	12	5.0				5.5	5.25	2 3	4.61	8.6				8.9	8.75	2 1	1.11
	13	5.4				6.1	5.75	4 3	4.55	9.1				9.6	9.35	3 2	0.95
	14	5.6				6.3	5.95	4 3	4.70	9.1				9.7	9.40	3 3	1.25
	15	6.1				6.7	6.40	3 3	4.68	9.6				10.0	9.80	2 2	1.28
	16	6.4				7.1	6.75	4 3	4.65	9.8				.	9.80	a .	1.60
Scratched?	17	.				7.4	7.40	. a	4.23	f.				.			
	18	7.1				7.6	7.35	3 2	4.71								
	19	7.5				8.1	7.80	3 3	4.62								
	20	7.7				8.4	8.05	3 4	4.68								
	23	8.2				8.7	8.45	2 3	4.89								
	25	8.6				9.20	8.90	3 3	4.97								
	26	9.1	9.1	9.10	0 0	9.60	9.35	25 25	4.98								
	27	9.2	9.3	9.25	0 1	9.70	9.48	23 22	5.21								
	28	9.6	9.7	9.65	0 1	9.90	9.78	13 12	5.33								
	29	10.0	10.0	10.00	0 0	f.	10.00	a .	5.66								
	30		10.1			.	10.10	a .	5.94								
	31		f.			.											
	32																

Ch. P.C.

Tuesday January 12, 1915.

Scale II Series 403. Copied Card.

MC 7261 26 KS 6 21-3.8

+.025

P.C.

					Curve	Magn					Curve	Magn
1	3.5						6.0	6.1	6.05	01	0.60	6.65
2	4.1				4.48	8.58	7.3	7.3	7.30	00	0.80	8.10
3	4.6				4.50	9.10	8.1	8.1	8.10	00	0.96	9.06
4	4.8				4.52	9.32	8.6	8.8	8.70	11	1.09	9.79
5	5.5				4.57	10.07	9.1	9.1	9.10	00	1.20	10.~~7~~80
6	6.4				4.62	11.02	9.8				1.43	11.23
7	6.6				4.63	11.23	F.					F.
8	7.6				4.71	12.31						
9	7.6				4.71	12.31						
10	8.1				4.76	12.86						
11	8.5				4.83	13.33						
12	8.6	8.5	8.55	01	4.86	13.41						
13	8.6	8.5	8.55	01	4.86	13.41						
14	9.1	9.1	9.10	00	5.02	14.12						
15	9.1	9.2	9.15	10	5.06	14.21						
16	9.4	9.4	9.40	00	5.17	14.57						
17	9.7	9.7	9.70	00	5.3~~5~~8	15.0~~5~~8						
18	10.1	F.			5.94	16.04						

Ch. P.C.

Tuesday January 12, 1915

Card.

Scale U Series 403 Copied.

Mc 7262 122K. 6 12-15.1

Alt-.18

					Curve	Magn
1	4.4				4.49	8.89
2	4.6				4.51	9.11
3	5.1				4.54	9.64
4	5.5				4.57	10.07
5	5.7				4.59	10.29
6	6.4				4.63	11.03
7	6.6				4.64	11.24
8	7.1				4.66	11.76
9	7.4				4.69	12.09
10	7.6				4.71	12.31
11	8.1				4.76	12.86
12	8.3	8.2	8.25	10	4.78	13.03
13	8.6	8.6	8.60	00	4.86	13.46
14	8.7	8.6	8.65	10	4.87	13.52
poor. 14a	9.1	~~8.8~~ 9.1?	9.10?	00	5.02	14.12°
15	9.5	9.7	9.60	11	5.29	14.89
16	F.					F

P.C.				Curve	Magn
7.6	7.6	7.60	00	0.86	8.46
7.7	7.7	7.70	00	0.87	8.57
8.6	8.6	8.60	00	1.07	9.67
9.1	9.1	9.10	00	1.19	10.29
9.5	9.7	9.60	11	1.36	10.96
9.7				1.40	11.10
F.					F

Ch. F. C.

Images are poor.

Tuesday January 12, 1915

Card.

Scale U

Series 403 Copied

	Mc 7263			24 Ks		6 .30+10.9			
				Alt. 7.15					
				Curve.	Magn	P.C.		Curve	Magn
1	3.6					6.6 6.7	6.65 01	0.69	7.34
2	4.6			4.50	9.10	8.2 8.3	8.25 01	0.99	9.24
3	4.6			4.50	9.10	8.4 8.4	8.40 00	1.03	9.43
4	5.4			4.57	9.97 ~~10.29~~	8.9? 8.7	8.80? 11	1.11	9.91?
5	5.7			4.59	10.29	9.1? 9.1	9.10? 00	1.19	10.29?
6	6.4			4.63	11.03	9.7		1.39	11.09
7	7.4	7.3	7.35 01	4.68	12.03	m.s.			
8	7.3	7.5	7.40 11	4.69	12.09				
9	7.6			4.71	12.31				
10	8.2	8.1	8.15 01	4.77	12.92				
11	8.4	8.3	8.35 01	4.81	13.16				
12	8.6	8.6	8.60 00	4.86	13.46				
13	9.2	9.3	9.25 01	5.08	14.33				
14	9.4	9.6	9.50 11	5.22	14.72				
15	f.	f.			f				

Ch. F.6.

P.C. poor.

Tuesday January 12, 1915

Scale II Series 403. Copied. Card.

Mc 726 β^4 C 4. 7 +15

Alt +17.

					Curve.	Magn	B.C.				Curve	Magn
1	B.						5.6	5.7	5.65	01	0.54	6.19
2	3.2^2						6.3	6.3	6.30	00	0.64	6.94
3	3.2						6.1	6.1	6.10	00	0.62	6.72
4	3.6						6.7	6.7	6.70	00	0.70	7.40
4a	3.6						6.8	6.7	6.75	01	0.71	7.46
5	3.8						partly sup.?				.	R
6	3.8						7.4				0.83	8.23
7	4.0				4.47	8.47	7.6				0.86	8.46
8	4.2				4.48	8.68	7.7				0.87	8.57
9	4.5				4.49	8.99	8.3				1.00	9.30
9a	4.7				4.51	9.21	8.3				1.00	9.30
10	5.0				4.54	9.54	8.7				1.09	9.79
11	5.1				4.54	9.64	8.8				1.11	9.91
12	5.1				4.54	9.64	9.1				1.20	10.30
13	5.1				4.54	9.64	9.1? poor				1.20	10.30 q?
14	5.7				4.59	10.29	9.6				1.36	10.96
15	6.1				4.60	10.70	9.8	9.7	9.75	01	1.42	11.17
16	6.1				4.60	10.70	9.6	9.8	9.70	11	1.39	11.09
17	6.5				4.63	11.13						
18	7.1				4.67	11.77						
19	7.4				4.69	12.09						
20	7.7				4.71	12.41						
21	7.5				4.69	12.19						
22	8.1	8.1	8.10	00	4.76	12.86						
23	7.8	7.9	7.85	01	4.73	12.58					Ch. F.C.	
24	8.6				4.86	13.46						

Tuesday January 12, 1915

Scalett

Series 403 copied.

Mc 7264 | C4 | cont

Alt + 17

					Curve.	Magn
25	8.8	8.7	8.75	0 1	4.90	13.65
*26	8.9	8.9	8.90	0 0	4.96	13.86
27	9.5	9.8^5	9.50	0 0	5.21	14.71
*28	9.7	9.7	9.70	0 0	5.36	15.06
29	10.1	10.1	10.10	0 0	5.94	16.04
30	—					
*25a	8.6				4.86	13.46
25b	9.1				5.02	14.12
27a	9.3				5.10 ~~5.36~~	14.40
27b	9.7				5.36	15.06
l	7.5				4.69	12.19

Ch. P.C

Tuesday January 12, 1910.

Scale U Series 403

Scale U	Mc 7 26~~5~~6	Pole.	
			P.C.
5			6.5 6.4 6.45 10
6			6.6 6.6 6.60 00
8			7.7 7.8 7.75 10
9			8.4 8.4 8.40 00
10	4.7		8.4 8.4 8.40 00
11	5.3		8.6
12	5.5		8.9
13	6.1		9.6
14	6.3		9.7
15	6.7		10.0
16	~~8~~7.1		
17	7.4		
18	7.6		
19	8.1		
20	~~8.7~~ 8.4		
23	8.7		
25	9.2 9.2 9.20 00		
26	9.6 9.6 9.60 00		
27	9.7 9.7 9.70 00		
28	9.9 9.9 9.90 00		
29	f. ~~9.9~~ f.		
30	w.s.		
31			

Ch. F.C.

See p. 55

19:39.

Tuesday January 19, 1915.

Scale R.

Series 429.

9:15	MC 1550		Pole.	P.C.
	sc 1	sc 2		sc.1 sc.2
5				8.4
6				9.2
8				10.5
9				11.4
10	6.2			11.6
11	7.2			12.1
12	7.6			12.6
13	8.3			13.0? poor.
14		8.5		13.4
15		9.4		S.
16		9.9		
17		10.2		
18		10.6		
19		11.1		
20		11.5		
23		12.1		
25		12.6		
26		13.1		
27		13.1		
28		13.7		
29		13.9		
30		14.1		
31		m S.		
32				

Reject.
Interrupted

Tuesday January 19, 1915.

Scale ~~Series 429.~~

me

Reject.

Wednesday January 20, 1915

Scale R

Series 429

10:30	Mc 7550		Pole -									
									Gc.			
	sc.1	sc.2			mc 7555 p.75	Mean	Diff.		sc2 sc2	mc 7555 p.75		
5									8.4	7.9	8.15 2 3 ~~7.95 4~~	-1.66
6									9.2	8.70	8.95 25 25	-1.84
8									10.6	10.4	10.50 1 1	-2.27
9									11.3	11.1	11.20 1 1	-2.37
10	6.6 6.3				5.9	6.25	4 3	2.77	11.6	11.5	11.55 0 1	2.53 -~~1.93~~
11	7.4 7.1				6.8	7.10	3 3	2.45	12.4	12.1	12.25 2 1	-2.70
12	7.8 7.5	Q.			7.4	7.60	2 2	2.26	12.5	12.8	12.65 1 2	-2.79
13	8.6 8.3	8.4		8.50 1 1	7.9	8.20	30 30	2.10	t.p.	13.3	13.30 9 2 2	-3.00
14	8.8 8.5	8.8		8.80 0 0	8.40	8.60	20 20	2.05	13.3	13.4	13.35 0 0	-2.70
15		9.3			8.90	9.10	20 20	1.98		14.0?	14.0 ? . 2 2	-2.92
16		9.5			9.45	9.48	02 03	1.92		f	f	
17		10.4			9.9	10.15	25 25 3	1.48				
18		11.1			10.5	10.80	3 3	1.26				
19		11.3			10.8	11.05	3 2	1.37				
20		11.5			11.2	11.35	1 2	1.38				
23		11.9			11.9	11.90	0 0	1.44				
25		12.9	12.9	12.90 0 0	12.6	12.75	15 15	1.12				
26		13.1	13.2	13.15 1 0	12.75	12.95	20 20	1.38				
from 27		13.1?	13.2	13.15 2 1 0	13.40	13.28	13 12	1.41				
28		13.5	13.5	13.50 0 0	13.50	13.50	00 00	1.61				
29		13.9	13.9	13.90 0 0	13.90	13.90	00 00	1.76				
30		f	f	F	14.05	14.05 F	$\frac{f}{00}$	1.99				
31		m.s	m.s	.	.	.	.	.				
32												

Ch. F.C.

Wednesday January 20, 1915.

Scale R. Series 429.

Mc 1550				Pole					cont.			
	(Diffraction Images)								Images.			
	Images b			Images c					P.C.	P.C.	P.C.	
	sc.1	sc.2	✓	~~sc.1~~ sc.2		MC 1555 p.75	Mean		f	cb	c	
5		8.4	8.4	8.40	00	7.90	8.15	25 25	-1.66	t.p.		
6		9.3	9.3	9.30	00	8.42	8.86	44 44	-1.75	t.p.		
8		10.7	10.6	10.65	10	10.20	10.42	23 22	-2.19	m.s.		
9		11.5	11.4	11.45	10	10.65	11.05	40 40	-2.22	m.s.		
10	def.		11.7			11.10	11.40	30 30	-2.38			
11		12.2	12.1	12.15	01	11.80	11.98	17 18	-2.43			
12		12.4	12.5	12.45	01	12.25	12.35	10 10	-2.49			
13		12.7	12.9	12.80	11	12.70	12.75	05 05	-2.45			
14		13.3	t.p.			13.10	13.10	: ~~00~~ 5	2.45			
15		13.5	13.6	13.55	10	13.55	13.55	00 00	2.47			
16		13.7	t.p.			13.70	13.70	. ~~00~~ 4	2.30			
17		13.7	139?	13.80?	11	13.90	13.85	05 05	2.22			
18		F.	F.	.		F	F		.			
19		m.s.		.		.	,		.			
20												

Ch. F.C.

Image b is image nearest plate number.

Wednesday January 20, 1915.

Card.

Scale R

Series 429.

Copied

MC 1552 | #1 | 1-15.

Alt. 19

P.C.

	Sc.1	Sc.2		Curve	Magn	Sc.1	Sc.2	Curve	Magn
1	46 4.3			.		9.8		-2.10	7.70
2	4.8 4.5			.		10.3		-2.22	8.08
3	45 4.2			.		10.3		-2.22	8.08
4	5.4 5.1			.		10.4		-2.26	8.14
5	5.1 4.8			.		10.3		-2.22	8.08
6	5.5 5.2			.		10.8		-2.36	8.44
7	5.6 5.3			.		10.7		-2.32	8.38
8	5.9 5.6			2.83	8.73	11.2		-2.44	8.76
9	5.9 5.6			2.83	8.73	11.5		-2.51	8.99
10	5.8 5.5			2.85	8.65	11.6		-2.53	9.07
11	6.9 6.6			2.53	9.43	12.4		-2.70	9.70
12	6.9 6.6			2.53	9.43	12.3		-2.67	9.63
13	6.9 6.6			2.53	9.43	12.5		-2.71	9.79
14	7.4 7.1	B.		2.36	9.76	13.1		-2.83	10.27
15	7.7 7.4	7.5	7.60 11	2.30	9.90	13.2		-2.84	10.36
16	8.1 7.8	8.2	8.15 10	2.12 4	10.27 9	13.3		-2.87	10.43
16a	8.3 8.0	8.2	8.25 10	2.10	10.35	13.5		-2.88	10.62
17	8.8 8.5	8.7	8.75 01	1.94	10.69	14.0		-2.89	11.11
18		9.3		1.80	11.10	m.s.		.	.
19		9.4		1.77	11.17				
20		9.5		1.73	11.23				
21		9.5		1.73	11.23				
22		10.3		1.53	11.83				
23		10.5		1.48	11.98				
24		10.5		1.48	11.98				
25		10.6		1.46	12.06				
26		11.1		1.37	12.47				

Ch. F. L.

Wednesday January 20, 1915.

Scale R. Series 429. Copied.

	Mc 1552		cont.		F1.	
	Images $\overset{b}{a}$	& c	alt-19			P.C.
	sc 2	sc 2		Curve	Magn	sc 2
1 5	8.1	8.6	8.65 10	-1.73	6.92	m.s.
2 6	9.2	9.2	9.20 00	-1.88	7.32	
3	9.8	9.5	9.65 21	-1.99	7.66	
4	10.1	10.3	10.20 11	-2.12	8.08	
5	9.7 10.2	10.3	10.15 10.4 5012	-2.11	8.04	
6	10.4	10.4	10.40 00	-2.18	8.22	
7	10.2	10.1	10.15 01	-2.11	8.04	
8	10.7	10.6	10.65 10	-2.22	8.43	
9	10.8	11.2	11.00 22	-2.29	8.71	
10	11.4	11.2	11.30 11	-2.34	8.96	
11	12.0	12.1	12.05 01	-2.46	9.59	
12	12.3	12.1	12.20 11	-2.47	9.73	
13	12.2	12.3	12.25 01	-2.47	9.78	
14	12.4	12.6	12.50 11	-2.48	10.02	
15	12.7	12.5	12.60 11	-2.48	10.12	
16	12.6	13.1	12.85 23	-2.48	10.37	
16a	13.4	13.1	13.25 21	-2.47	10.78	
17	13.5	13.3	13.40 11	-2.46	10.94	
18	13.5	13.6	13.55 10	-2.44	11.11	
19	13.6	13.9	13.75 21	-2.42	11.33	
20	13.6	13.7	13.65 01	-2.43	11.22	
21	14.0	13.9	13.95 01	-2.39	11.56	
22	14.0	F.	14.00 4 $\overset{a}{=}$ F			
23	m.s.					

Ch. F.C.

Wednesday January 20, 1915

Card.

Scale R

Series 429. Copied.

MC 7552 D1 cont.

Alt-.19

	sc.2				Curve	Magn
27	11.4				1.32	12.72
28	11.8				1.31	13.11
29	11.7				1.31	13.01
30	12.2				1.33	13.53
31	12.2				1.33	13.53
32	12.5				1.35	13.85
33	12.8	12.8	12.80	00	1.39	14.19
34	12.7	12.7	12.70	00	1.38	14.08
35	13.4	13.3	13.35	01	1.53	14.88
36	13.5	13.4	13.45	10	1.55	15.00
37	13.7	13.8	13.75	10	1.71	15.46
38	f	f.				
39	m.s.	m.s.				

Ch. F. C.

Wednesday January 20, 1915

Card.

Scale R

Series 429. Copied

		Mc 7553			C1		1 + 15°					
					Ult. +.11		P.C.					
		sc1	sc2		Cross	Mags	sc1	sc2	sc2			
	1	3.4 3.1					7.0 6.7 ws. 8.7 7.0			7.00 00	-1.94	
	2	4.4 4.1					9.2					7.26
	3	3.9 3.6					9.2				-1.94	7.26
	4	4.5 4.2					10.1				-2.18	7.92
	5	5.6 5.4 5.3 5.1		5.50 11			10.5	10.6	10.55 10		-2.30	8.25
	6	5.2 5.4 4.9 5.1		5.30 11			10.6	10.6	10.60 00		-2.30	8.30
	7	5.3 5.0					10.8				-2.36	8.44
	7a ~~8~~	6.0 5.7			2.29	8.29	11.5				-2.50	9.00
	8 ~~9~~	6.3 6.0			2.71	9.01	11.7				-2.55	9.15
	9 ~~10~~	6.2 5.9			2.74	8.94	11.7				-2.55	9.15
double	10											
	11	6.7 6.4			2.60	9.30	12.5				-2.72	9.78
	12	7.5 7.2	B.		2.33	9.83	12.7				-2.75	9.95
	13	7.5 7.2	7.2	7.35 12	2.38	9.73	13.4				-2.87	10.58
	13a	7.9 7.6	7.8	7.85 10	2.22	10.07	13.4				-2.87	10.58
	14	8.4 8.1	8.4	8.40 00	2.05	10.45	13.5				-2.88	10.62
	15	8.9 8.6	9.2	9.05 12	1.87	10.92	13.8				-2.89	10.91
	16	9.0 8.7	9.1	9.05 01	1.87	10.92	13.9				-2.89	11.01
	17		9.5		1.73	11.23	m.s.					
	18		10.3		1.53	11.83						
	19		6 10.2		1.46	12.06						
	20		11.1		1.37	12.47						
	21		11.6		1.32	12.92						
	21a		12.2		1.33	13.53						
	22		12.1		1.32	13.42						
	23		12.1		1.32	13.42						
	24		12.2		1.33	13.53						
	25		12.2		1.33	13.53						

Ch. F. C.

Wednesday January 20, 1915

Card.

Scale R.

Series 429 copied

MC 7553 cont C1

Alt +16

	sc 2	sc 2			Curve	Magn
26	12.6	12.8	12.70	11	1.38	14.08 ~~11.32~~
27	13.2	13.3	13.25	01	1.49	14.74 ~~11.76~~
28	13.3	13.4	13.35	10	1.53	14.88 ~~11.82~~
29	13.5	13.4	13.45	10	1.55	15.00 ~~11.90~~
30	13.8	13.8	13.80	00	1.72	15.52 ~~12.08~~
31	f.	f.	.		.	f
32	n.s.	n.s.	.		.	.

Ch. F. C.

Wednesday January 20, 1915

Scale R — Series 429 — Copied

	7553			cont.	D1		Differ. Images.		
	Im. b		Im.c	Im.c.					
	sc	& sc.2	sc.1	sc.2			Curve	Magn	
1	90 8.1 83	9.1	t.fr.		9.05	0 1	-1.84	7.21	
2	89 6 87	8.9	pon 9.0? 81?	9.2?	9.00?	1 1 0 2	-1.83	7.17?	
3	8.6 83	8.3	8.8 85	8.6?	8.58 2	0 3 2 0	-1.72	6.86?	
4		9.3		9.1	9.20	1 1	-1.88	7.32	
5		10.5		10.5	10.50	0 0	-2.20	8.30	
6		10.4		10.4	10.40	0 0	-2.18	8.22	
7		10.4		10.5	10.45	0 1	-2.19	8.26	
7a		10.7		10.8	10.75	1 0	-2.25	8.50	
8		11.1		11.2	11.15	1 0	-2.32	8.83	
9		11.4		11.3	11.35	0 1	-2.36	8.99	
double. 10		.		.	.		.	.	
11		11.9		12.2	12.05	1 2	-2.45	9.60	
12		12.2		12.4	12.30	1 1	-2.48 6	9.84	
13		12.5		12.5	12.50	0 0	-2.47	10.03	
13a		12.9		12.8	12.85	1 0	-2.47	10.36 8	
14		13.2		13.0	13.10	1 1	-2.47	10.63	
15		13.4		13.3	13.35	0 1	-2.46	10.89	
16		13.5		13.6	13.55	1 0	-2.46 5	11.10	
17		13.5		13.8	13.65	1 2	2.43	11.22	
18		f.		.	.		.	F	
19		f. m.s.		.	.		.	F	Ch. F.C.
20		m.s.		.	.		.	.	

Differ. Image of 1 fainter than P.C.

Wednesday January 20, 1915

Card.

Scale R Series 429 Copied.

	Mc 554		B1			1	20 + 45°				
			Alt. + .221			B.C.					
	sc.1	sc.2		Curve	Magn	sc.1	sc.2		Curve	Magn	
1	B.					8.5 8.2	8.5	8.50 0 0	-1.76	6.74	
2	3.4 3.1					~~9.3~~	9.3		-1.97	7.33	
3	3.4 3.1					8.6 8.3	8.3	8.45 2 1	-1.75	6.70	
4	4.4 4.1						9.2		-1.95	7.25	
5	3.9 3.6						10.5		-2.28	8.22	
6	4.4 4.1						10.2		-2.20	8.00	
7	5.2 4.9						10.6		-2.30	8.30	
8	4.8 4.5						10.7		-2.33	8.37	
8a	5.4 5.1						10.7		-2.33	8.37	
9	5.5 5.2						10.7		-2.33	8.37	
double. 10							11.8? double.		-2.57	9.23	?. Dbl.
11	5.6 5.3						11.1		-2.42	8.68	
12	5.7 5.4			2.87	8.57		11.4		-2.49	8.91	
13	6.0 5.7			2.79	8.79		11.7		-2.54	9.16	
14	6.5 6.2			2.66	9.16		12.6		-2.73	9.87	
15	7.2 6.9	7.1	7.15 0 1	2.44	9.59		12.9		-2.79	10.11	
16	8.4 8.1	8.1	8.25 2 1	2.11	10.36		13.9		-2.88	11.02	
17	8.0 7.7	7.7	7.85 2 1	2.22	10.07		13.7		-2.88	10.82	
18	8.0 7.7	8.1	8.05 0 1	2.17	10.22		13.6		-2.88	10.72	
19	8.5 8.2	8.4	8.45 1 0	2.03	10.48		13.8		-2.88	10.92	
20	8.8 8.5	8.9	8.85 0 1	1.92	10.77						
21	8.6 8.3	8.2	8.40 2 2	2.05	10.45						
22		9.3 ~~10.8~~		1.80	11.10		Ch. P.C.				
23		9.3		1.80	11.10						
23a		9.7		1.67	11.37						
24											

12:30

See P.74 for cont.

Wednesday January 20, 1915.

Scale R | Series 429 | Copied.

Mc 7554 | B 1 cont. | 1 20 + 45

1:20

	Im b		Im. c.		Diff Images.			
	sc.1	sc.2	sc.1	sc.2			Curve.	Magn
1	8.7° 8.4						-1.75	6.95
2	t.p.		t.p.				.	.
3	7.8° 7.5		8.0 7.7		7.90	1 1	-1.58	6.32
4	t.p.			8.7			-1.75	6.95
5		9.6		9.7	9.65	0 1	-1.99	7.66
6		10.2		10.1	10.15	0 1	-2.12	8.03
7		10.8^{3}		10.6	10.45	1 2	-2.19	8.26
8		10.6		10.3	10.45	2 1	-2.19	8.26
8a		10.8	1	10.7	10.75	0 1	-2.24	8.51
9		10.8		10.7	10.75	0 1	-2.24	8.51
10		11.6		11.4	11.50	1 1	-2.38	9.12
11		10.9		10.8	10.85	1 0	-2.27	8.58
12		11.1		11.2	11.15	1 0	-2.32	8.83
13		11.6		11.5	11.55	0 1	-2.38	9.17
14		12.0		12.1	12.05	0 1	-2.44	9.61
15		12.5		12.5	12.50	0 0	-2.48	10.02
16		13.3		13.2	13.25	1 0	-2.46	10.79
17		13.3		12.9	13.10	2 2	-2.46	10.64
18		13.1		12.9	13.00	1 1	-2.46	10.54
19		13.5		13.4	13.45	1 0	-2.45	11.00
20		13.6		13.7	13.65	0 1	-2.44	11.21
21		13.4		13.4	13.40	0 0	-2.45	10.95
22		14.0		13.7	13.85	2 1	-2.41	11.44
23		14.0		14.0	14.00	0 0		.
24		m.s.		.	.		.	.

Cl. F.C.

Wednesday January 20, 191$\overset{5}{4}$.

Card.

Scale R

Series 429. Copied

Mc 7554 cont.

	Rc.2	Rc.2			Curve	Magn.
2$\overset{5}{4}$	10.7				1.44	12.14
26	10.7				1.44	12.14
26a	11.3				1.34	12.64
26b	11.4				1.33	12.73
27	11.9				1.31	13.21
28	12.2	12.2	12.20	00	1.33	13.53
29	12.4	12.5	12.45	01	1.34	13.79
30	12.7	12.8	12.75	10	1.39	14.14
31	13.2	13.2	13.20	00	1.48	14.68
32	13.9	13.8	13.85	10	1.73	15.58
33	f	f.				f
34						

Ch. F. C.

Wednesday January 20, 1915

Scale R.

Series 429.

	Mc 1555			Pole -	P.C.			Diff. Im. Im. b		Im. c.		
	sc.1	sc.2			sc.1	sc.2		sc.1	sc.2	sc.1	sc.2	Mean
5					7.9 7.6	B.		7.9 7.6	B.	7.9 7.6	B.	7.90 0.0
6					8.7 8.4	8.7	8.70 00	8.6 8.3	8.3	8.5 8.2	8.3	8.42 2111
8						10.4			10.1	1	10.3	10.20 11
9						11.1			10.6		10.7	10.65 01
10	5.9 5.6					11.5			10.9		11.3	11.10 22
11	6.8 6.5					12.1			11.7		11.9	11.80 11
12	7.4 7.1					12.8			12.3		12.2	12.25 10
13	7.9 7.6 .84	B.				13.3			8 12.5		12.6	12.70 11
14	8.1 ~~7.9~~	8.4 ~~8.6~~	8.40 00			13.4			13.1		13.1	13.10 00
15	9.0 8.7	8.8	8.90 11			14.0?			13.7		13.4	13.55 12
16	9.3 9.0	9.6	9.45 12			F.			13.8		13.6	13.70 11
17	~~9.9~~ ~~9.1~~	9.9							14.0		13.8	13.90 11
18		10.5							F.		F.	F
19		10.8										
20		11.21										
23		11.9										
25		12.6										
26		12.9 12.6	12.75 12									
27		13.4 13.4	13.40 00									
28		13.5 13.5	13.50 00									
29		13.9 13.9	13.90 00									
30		14.1 14.0	14.05 10									
31		m.s.										
32					Ch. F.C.							

See pp. 64 & 65

3:21

Friday January 22, 1915.

Scale U

Series 415.

10:—

	Mc 7384				Pole Mc 7389 p83	Mean	Diff	P.C. sc.	Mc 7389 p83	Mean	Diff
5								5.5	5.5	5.50 00	0.99
6								5.7	5.9	5.80 11	1.31
8								7.21	7.1	7.15 01	1.08
9								7.6	7.7	7.65 01	1.18
10	4.3				4.5	4.40 11	4.62	7.7	7.7	7.70 00	1.32
11	4.6				4.7	4.65 01	4.93	8.4	8.4	8.40 00	1.15
12	4.7				5.0	4.85 12	5.01	8.6	8.5	8.55 01	1.31
13	5.1				5.5	5.30 22	5.00	9.1	8.9	9.00 11	1.30
14	5.6				5.8	5.70 11	4.95	9.3	9.3	9.30 00	1.35
15	5.8				6.0	5.90 11	5.18	9.6	9.4	9.50 11	1.58
16	6.1				6.3	6.20 11	5.20	9.7	9.6	9.65 10	1.75
17	6.5				6.6	6.55 10	5.08	10.1	F	10.10 ~~4~~ F	1.53
18	6.9				7.1	7.00 11	5.06	m.s.	.	.	.
19	7.4				7.5	7.45 01	4.97				
20	7.7				7.7	7.70 00	5.03				
23	8.3				8.3	8.30 00	5.04				
25	8.6	8.6	8.60	00	8.60	8.60 00 00	5.27				
26	8.8	8.7	8.75	01	9.00	8.88 13 12	5.45				
27	9.4	9.3	9.35	01	9.20	9.28 07 08	5.41				
28	9.7	9.7	9.70	00	9.65	9.68 02 03	5.43				
29	9.9	9.9	9.90	00	9.75	9.82 08 07	5.84				
30	F.	F.	,		F	,	,				
31	F.	F.	,		F	,	,				
32	m.s.		.		.	,	,				

Ch. F.C.

Friday, January 22, 1915.

Scale U Series 415.

	Mc 7384		Pole			cont.	
	Images q	Images h		mc 7389 p83	Mean		Diff
5	5.4	5.5	5.45 01	5.25	5.35	10 10	1.14
6	5.7	5.8	5.75 10	5.80	5.78	03 02	1.33
8	6.7	6.7	6.70 00	6.70	6.70	00 00	1.53
9	7.4	7.3	7.35 01	7.40	7.38	03 02	1.45
10	7.7	7.7	7.70 00	7.60	7.65	05 05	1.37
11	8.2	8.3	8.25 01	8.25	8.25	00 00	1.30
12	8.5	8.4	8.45 10	8.40	8.42	03 02	1.44
13	8.7	8.7	8.70 00	8.60	8.65	05 05	1.65
14	8.9	9.1	9.00 11	8.95	8.98	02 03	1.67
15	9.4	9.3	9.35 01	9.35	9.35	00 00	1.73
16	9.5	$\overset{7}{9.2}$	9.60 11	9.50	9.55	05 05	1.85
			9.55? 12	9.55	9.55	00 00	2.08
17	9.7	9.4? poor.					
18	10.1	9.7	9.90 22	9.75	9.82	08 07	2.24
19	n.s.	f.	,	f	,		,
20		f	,	,	,		,
23		m.s.	,	,	,		,
25							
26							
27							
28							
29							
30							
31							

Ch. F.C.

Friday January 22, 1915.

Scale W

Series 415. Copied. Cand.

		Mc 7$\frac{3}{5}$85	C 5		9 + 15"		
			Alt +11				
			Curve	Magn	P.C.	Curve	Magn
	1	3.4			5.7	11.2	6.82
	2	3.7			6.7	11.2	7.82
	3	3.7			6.7	11.2	7.82
	4	3.5			6.7	11.2	7.82
	4a	3.9	4.81	8.71	7.2	11.4	8.34
	5	4.3	4.86	9.16	7.6	11.9	8.79
	6	4.4	4.88	9.28	7.6	11.9	8.79
	7	4.2	4.84	9.04	7.7	11.9	8.89
	8	4.7	4.92	9.62	8.1	12.4	9.34
	9	4.6	4.90	9.50	8.2	12.6	9.46
double	10	4.7 6.4	4.92 5.03	9.62 11.43	8.6 F.	13.1	9.91 F
	11	4.7	4.92	9.62	8.7	13.3	10.03
	12	5.3	4.97	10.27	8.7	13.3	10.03
P.C. of 13 is large. Does not comp. well with scale	13	5.3	4.97	10.27	9.3	14.4	10.74
	14	5.5	4.99	10.49	9.1	14.1	10.51
	14a	5.8 5.7	5.75 0 1 500	10.75	9.4	14.7	10.87
	15	5.7 5.8	5.75 1 6 500	10.75	9.6	15.2	11.12
	16	$\overset{6}{5}$.4	5.03	11.43	m.s.		
	17	6.5	5.03	11.53			
	18	6.7	5.04	11.74			
	19	6.8	5.05	11.85			
	20	7.4	5.08	12.48			
	20a	7.1	5.06	12.16			
	21	7.5	5.09	12.59			
	22	7.7	5.10	12.80			
	23	8.1	5.14	13.24			

Ch. F.C.

cont on P. 80

Friday January 22, 1915.

~~Card~~

Scale II Series 415. Copied.

MC 7385 C5 cont.

Alf. + 11

	g	h			Curve	Magn
1	5.6	5.5	5.55	0 1	1.37	6.92
2	6.7	6.6	6.65	1 0	1.39	8.04
3	5.7	5.7	5.70	0 0	1.38	7.08
4	6.6	6.5	6.55	0 1	1.39	7.94
4a	7.1	6.7 poor	6.90	2 2	1.40	8.30
5	7.5	7.5	7.50	0 0	$\overset{5}{144}$	8.95
6	7.7	7.6	7.65	1 0	1.46	9.11
7	7.6	7.4	7.50	1 1	1.45	8.95
8	7.9	8.2	8.05	1 2	1.50	9.55
9	8.4	8.1	8.25	2 1	1.52	9.77
10	8.5	$\overset{8}{7}$.6} 9.5}	8.55			
11	8.4	8.4	8.40	0 0	1.54	9.94
12	8.5	8.5	8.50	0 0	1.56	10.06
13	8.7	8.7	8.70	0 0	1.60	10.30
14	8.7	8.7	8.70	0 0	1.60	10.30
14a	9.1	9.1	9.10	0 0	1.75	10.85
15	9.4	9.1	9.25	2 1	1.82	11.07
16	9.5	9.6	9.55	1 0	1.97	11.52
17	9.6	9.6	9.60	0 0	2.00	11.60
18	9.7	9.5	9.60	1 1	2.00	11.60
19	10.0	9.9	9.95	0 1	? 2.23	? 12.18
20	f.	f.	,		,	F

Ch. F. C.

Friday January 22, 1915.

Scale II

Series 415. Copied.

Mc 1385

C 5 cont.

Alt +17

					Curve	Magn
24	8.4				5.19	13.59
25	8.7				5.2~~8~~6	13.9~~8~~6
26	8.7				5.2~~8~~6	13.9~~8~~6
27	8.8	8.9	8.85	0 1	5.29	14.14
28	9.2	9.4	9.30	1 1	5.40	14.70
29	9.5	9.5	9.50	0 0	5.45	14.95
30	9.7	9.5	9.60	1 1	5.48	15.08
31	10.0	f.	10.00	a f	5.61	15.61

Ch. F. C.

Friday January 22, 1915.

Scale U   Series 415.   Copied.   Card

Mc 7387   Carte   9 0 + 39.5.

Alt. + 2.21

					Curve	Magn	P.C.	Curve	Magn	g	Diffr. Im. h			Curve	Magn
1	B						5.6	1.12	6.72	5.7	5.5	5.60	11	1.37	6.97
2	3.7						6.7	1.12	7.82	6.5	6.5	6.50	00	1.39	7.89
3	4.2				4.84	9.04	7.6	1.18	8.78	7.3	7.4	7.35	10	1.43	8.78
4	4.4				4.87	9.27	7.8	1.20	9.00	7.7	7.7	7.70	00	1.46	9.16
5	4.7				4.92	9.62	8.6^{4}	1.28	9.68	8.2	8.2	8.20	00	1.52	9.72
6	4.8				4.94	9.74	8.5	1.29	9.79	8.4	8.3	8.35	01	1.54	9.89
7	5.0				4.96	9.96	8.6	1.31	9.91	8.4	8.4	8.40	00	$1.5\overset{4}{8}$	9.94
8	5.3				4.97	10.27	9.1	1.42	10.52	8.6	8.6	8.60	00	1.58	10.18
9	5.9				5.01	10.91	9.3	1.44	10.74	9.3	9.3	9.30	00	1.85	11.15
10	6.2				5.02	11.22	9.7	1.54	11.24	9.4	9.4	9.40	00	1.90	11.30
11	6.9				5.04	11.94	J	.	F	9.8	9.6	9.70	11	2.04	11.74
12	6.9				5.04	11.94	m.s.	.	.	10.0	10.0	10.00	00	2.24	12.24
13	7.4				5.08	12.48				1		.		.	F
14	7.6				5.09	12.69									
15	7.8				5.10	12.90									
16	8.4	8.4	8.40	00	5.19	13.59									
17	8.6	8.6	8.60	00	5.24	13.84									
18	8.7	8.6	8.65	10	5.24	13.89									
19	9.4	9.4	9.40	00	5.43	14.83									
20	9.7	9.5	9.60	11	5.49	15.09									

Ch. F. C.

Friday January 22, 1915.

Scale II

Series 415 Copied. Card.

MC 7388 Carte 9 +24.5.

Alt +.19

Diffr. Im.

					Curve.	Magn	P.C	Curve.	Magn	h	g			Curve	Magn
1	3.9				4.81	8.71	7.3	1.15	8.45	6.8	6.8	6.80	0 0	1.40	8.20
2	3.9				4.81	8.71	7.6	1.18	8.78	7.2	suf.			1.43	8.63
3	4.7				4.92	9.62	8.4	1.28	9.68	8.3	8.3	8.30	0 0	1.53	9.83
4	5.3				4.97	10.27	8.8	1.35	1~~2~~0.15	8.6	8.7	8.65	0 1	1.59	10.24
5	5.5				4.99	10.49	9.2	1.44	10.64	8.7	8.7	8.70	0 0	1.60	10.30
6	5.6				4.99	10.59	9.2	1.44	10.64	8.6	8.7	8.65	0 1	1.59	10.24
7	6.1				5.01	11.11	9.7	1.55	11.25	9.4	9.4	9.40	0 0	1.90	11.30
8	6.5				5.0~~4~~3	11.5~~4~~3	9.8	1.59	11.39	9.6	9.5	9.55	0 1	1.97	11.52
9	6.7				5.04	11.74	f.	,	F	9.7	9.8	9.75	1 0	2.08	11.83
10	7.1				5.06	12.16				10.0	10.0	10.00	0 0	2.23	12.25
11	7.5				5.08	12.58				f.	w.s.	,		,	.
12	7.7	7.7	7.70	0 0	5.10	12.80									
13	8.1	8.2	8.15	1 0	5.15	13.30									
14	8.3	8.4	8.35	1 0	5.~~22~~.18	13.5~~7~~3									
15	8.2	8.3	8.25	0 1	5.16	13.41									
16	8.2	8.3	8.25	0 1	5.16	13.41									
17	8.6	8.6	8.60	0 0	5.24	13.84									
18	8.9	9.1	9.00	1 1	5.33	14.33									
19	9.3	9.3	9.30	0 0	5.40	14.70									
20	9.5	9.5	9.50	0 0	5.45	14.95									

Ch. F. C.

Friday January 22, 1916.

Scale Series 415.

	Mc 7389			Pole. Oc.	Diff. Inn. h	g	
5				5.5	5.1	5.4	5.25 12
6				5.9	5.8	5.8	5.80 00
8				7.1	6.7	6.7	6.70 00
9				7.7	7.4	7.4	7.40 00
10	4.5			7.7	7.7	7.5	7.60 11
11	4.7			8.4	8.3	8.2	8.25 10
12	5.0			8.5	8.4	8.4	8.40 00
13	5.5			8.9	8.6	8.6	8.60 00
14	5.8			~~8~~ 9.3	8.8	9.1	8.95 21
15	6.0			9.4	9.4	9.3	9.35 01
16	6.3			9.6	9.5	9.5	9.50 00
17	6.6			f.	9.5	9.6	9.55 10
18	7.1				9.6	9.9 f	9.75 21
19	7.5				f.	f	f
20	7.7				m.s		
23	8.3						
25	8.6	8.6	8.60 00				
26	9.0	9.0	9.00 00				
27	9.3	9.1	9.20 11				
28	9.5	9.8	9.65 12				
29	9.9	9.6	9.75 12				
30	f.	f.	f				
31							
32							

See p. 76

12 –

Monday January 25, 1915

Plot 185

Scale R

Series 393.

10:05 mc 7127 Pole-

P.C.

	sc.1	sc.2			mc 7132 p94			Diff	sc.1	sc.2	mc 7132 p94	Mean		Diff
5									8.1 7.8	B. ~~7.8~~	8.2	8.15	1 0	-1.66
6									8.9 8.6	~~8.6~~ 8.7	9.0	8.95	1 0	-1.84
~~7~~														
8										10.3	10.3	10.30	0 0	-2.07
9										11.0	11.1	11.05	0 1	-2.22
10	6.7 5.9	B.			6.6	6.40	2 2	2.62		11.5	11.4	11.45	1 0	-2.43
11	6.9 6.6	B.			7.4	7.15	3 2	2.40		11.9	11.9	11.90	00	-2.35
12	7.4 7.1	7.1		7.25 2 1	7.65	7.45	20 20	2.41		3 12.8	12.5	12.40	1 1	-2.54
13	7.8 7.5	8.1		7.95 2 1	8.25	8.10	15 15	2.20		13.0	13.3	13.15	2 1	-2.85
14	8.6 8.3	8.2		8.40 2 2	8.40	8.40	00 00	2.25		13.3	13.4	13.35	1 0	-2.70
15	8.9 8.6	9.1		9.00 1 1	9.00	9.00	00 00	2.08		13.6	13.9	13.75	2 1	-2.67
16	~~9.2~~	9.2			9.6	9.40	2 2	2.00			F			
17		9.5			10.1	9.80	3 3	1.83						
18		10.4			10.4	10.40	0 0	1.66						
19		10.8			10.8	10.80	0 0	1.62						
20		11.2			11.3	11.25	0 1	1.48						
23		11.9			11.9	11.90	00	1.44						
25		12.4	12.5	12.45 0 1	12.60	12.52	07 08	1.35						
26		12.9	13.0	12.95 1 0	12.80	12.88	07 08	1.45						
Im. def.? 27		~~13.4~~	~~13.4~~		13.15	13.15	~~00~~ a	1.54						
28		13.5	13.4	13.45 1 0	13.45	13.45	00 00	1.66						
29		14.0	14.0	14.00 0 0	13.75	13.88	12 13	1.78						
30		F			F									
31		m.s												

Ch. F.C

Monday January 25, 1915.

Scale R

Mc Series 393.

Mc7121 cont Pole

Diffr. Images.

		g sc1	g sc2	h sc1	h sc2			7123 to 94	Mean			Diff.
very poor.	5	8.4 8.1	8.1?	t.p.		? 8.25	21	7.9	8.08	17	18	- 1.59
	6	8.8 8.5	8.6	8.6 8.3		67 8.70	11	8.70	8.68	01	02	- 1.57
	8		10.1		10.1	10.10	00	10.15	10.12	02	03	- 1.89
	9		10.6		10.8	10.70	11	10.80	10.75	05	05	- 1.92
	10		11.1		11.4	11.25	12	11.15	11.20	05	05	- 2.18
	11		11.5		11.6	11.55	10	11.50	11.52	03	02	- 1.97
	12		12.1		12.2	12.15	10	12.25	12.20	05	05	- 2.34
	13		12.5		12.4	12.45	10	12.55	12.50	05	05	- 2.20
	14		12.9		13.1	13.00	11	13.10	13.05	05	05	- 2.40
	15		13.1		13.4	13.25	12	13.30	13.28	03	02	- 2.20
	16		13.4		13.6	13.50	11	13.55	13.52	02	03	- 2.12
	17		13.5		13.7	13.60	11	13.90	13.75	15	15	- 2.12
	18		14.1?		f.	? 14.10	a 4.	f	14.10?	a ~~04~~	,	- 2.04
	19				w.s.							
	20											
	23											

ch. F.C.

Monday January 25. 1915.

Scale R

Series 393. Copied. Card

MC 7128 Carte 0 o + 17.5

Alt. + 17

	sc.1	sc.2		Curve.	Magn.	B.C. sc.2	Curve.	Magn.
1	44 4.1					9.6	-1.96	7.64
2	53 5.0					10.6	21 - X.66	8.44
3	67 5.9	B.		2.62	8.82	11.7	-2.40	9.30
4	77 7.4	B.		2.30	10.00	12.6	-2.58	10.02
5		9.7		1.85	11.55	F		F
6		10.0		1.77	11.77	m.s.		
7		10.4		1.67	12.07			
8		11.4 ~~12.5~~		1.48	12.88			
9		11.7		1.43	13.13			
10		11.9		1.41	13.31			
11		12.1 12.2	12.15 .10	1.40	13.55			
12		12.4 12.4	12.40 .00	1.41	13.81			
13		12.7 12.6	12.65 .10	1.43	14.08			
14		13.3 13.2	13.25 .10	1.53	14.78			
15		13.8 13.8	13.80 .00	1.77	15.57			
16								
17								
18								
19								
20								

Ch. F.C.

Monday January 25, 1915

Scale R   Series 393.   Copied.

MC 7128   Carte. cont   alt+17

Diffraction Images.

	g		h				Curve	Magn
	sc.1	sc.2	sc.1	sc.2				
1		9.5		9.5	950	00	– 1.80	7.70
2		10.4		10.3	1035	01	– 1.97	8.38
3		11.4		11.6	1150	11	– 2.16	9.34
4		12.2		12.3	1225	01	– 2.23	10.02
5		13.5		13.6	1355	10	– 2.16	11.39
6		13.6		14.0	1380	22	– 2.09	11.71
7		14.1		F.	1410	a F	– 2.04	12.06
8		m.s.		m.s.				

Ch. F. C.

Monday January 25, 1915.

Scale R

Series 393- Copied. Card.

MC 7129 Carte 0 0+46.5

					Alt. + .212				P.C.	Curve	Magn
		sc.1	sc.2				Curve.	Magn.	~~Ph.~~ sc 2	-2.08	
	1	49 46							10.21		8.12
	2	56 5.3							10.8	21 -2.~~42~~	8.59
	3	65 6.2					2.54	9.04	11.5	-2.35 -~~2.54~~	9.15
	4	77 7.4	B				2.30	10.00	12.2	-2.50 -~~2.62~~	9.70
	5	78 7.5	7.4		7.60	2 2	32 2.~~28~~	9.92	12.5	-2.56	9.94
	6	89 8.6	8.3		8.60	3 3	2.11	10.71	nearly sup.		
	7	91 8.8	9.1		9.10	0 0	2.00	11.10	13.4	-2.69	10.71
	8		9.4				1.92	11.32	13.8	-2.70.	11.10
	9		9.9				1.80	11.70	f.		F
	10		10.7				1.60	12.30			
	11		10.8				1.58	12.38			
	12		11.2				1.51	12.71			
	13		11.7				1.44	13.14			
	14		12.1				1.40	13.50			
	15		12.4				1.41	13.81			
	16		12.5	12.5	12.50	0 0	1.42	13.92			
	17		12.8	12.5	12.65	2 1	1.43	14.08			
	18		12.9	12.8	12.85	1 0	1.46	14.31			
Does not compare with scale	19		13.5	13.1	13.30	2 2	1.56	14.86			
	20		13.5	13.4	13.45	1 0	1.62	15.07			

Ch. F.C.

Monday January 25, 1915.

Scale R

Series 393. Copied.

MC 7129 Carte cont.

Diffr. Images

Alf + 2/20

	g sc.1	sc.2	h sc.1	sc.2			Curve	Magn
1	9.6		10.1		9.85	2 3	− 1.88	7.97
2	10.6		10.5		10.55	0 1	− 2.01	8.54
3	11.1		11.3		11.20	1 1	− 2.11	9.09
4	11.9		12.1		12.00	1 1	− 2.21	9.79
5	12.3	~~12.1~~	12.1		12.20	1 1	− 2.22	9.98
6	12.5		12.8		12.65	1 2	− 2.25	10.40
7	13.2	~~13.4~~	13.4		13.30	1 1	− 2.20	11.10
8	13.6		13.7		13.65	0 1	− 2.1~~8~~4	11.~~47~~51
9	13.5		13.6		13.55	1 0	− 2.1~~7~~6	11.3~~6~~9
10	S.		S.					F
11								
12								

Ch. F. C.

Monday January 25, 1915.

Scale R. Series 393. Copied. Card.

Mc 7130 Carte 0 0+64.5°

Alt. +.18

	sc.1	sc.2		Curve	Magn.	sc.2	Curve	Magn.	sc.2	sc.2		Curve	Magn.
						P.C.			g	h			
									Diffr. Im.				
1	56° 5.8					10.7	-218	852	10.8	10.7	107501	-204	871
2	69° 6.6			248	938	12.0	-247	7 9~~5~~3	11.8	11.8	118000	-219	961
3	78° 7.5			228	1008	12.5	-256	994	12.4	12.4	124000	-224	1016
4	83° 8.0	8.4	83510	218	1053	13.1	-267	1043	12.6	6 12.4	126000	-226	1034
5	85° 8.2	8.3	84011	216	1056	13.5	-270	1080	133 ~~too close~~ ~~to star~~	too close to a star	1330 a	-220	1110
6		9.1		200	1110	13.6	-270	1090	13.4	13.3	133501	-219	1116
7		9.5		~~187~~ 90	~~1137~~ 40	13.7	-270	1100	13.6	13.8	137011	-212	1158
8		10.4		167	1207	m.s.	,	,	13.9	f. ~~13.8~~	1390a.	-207	1183
9		10.4		167	1207				f.		.	.	.
10		11.4		148	1288				m.s.		.	.	.
11		11.3		150	1280								
12		11.4		148	1288								
13		11.4		148	1288								
14	11.8	11.7	117501	142	1317								
15	11.6	11.7	116501	143	1308								
16	12.2	12.2	122000	140	1360								
17	12.4	12.5	124501	141	1386								
18	12.9	12.9	129000	146	1436								
19	13.3	13.4	133510	159	1494								
20	13.9	13.9	139000	180	1570								
g													

ch. P.C.

Monday January 25, 1915.

Scale R

Series 393. Copied Card.

		MC 7131			C1		1 + 15°					
					Alt. +17		P.C.					
		sc.1	sc.2		Curve	Magn	sc.1	sc.2		Curve	Magn	
	1	34 3.1					9.0 8.7	9.1	9.05 01	-1.84	7 8.21	
	2	38 3.5					9.1 8.8	9.2	9.15 1.0	-1.86	7.29	
	3	38 3.5					9.0 8.7	9.1	9.05 01	-1.84	7.21	
	4	48 4.5						10.2		-2.08	8.12	
	5	54 5.1						10.5		-2.13	8.37	
	6	54 5.1						10.6		-2.16	8.44	
	7	55 5.2						10.7		-2.18	8.52	
	7a	64 6.1			2.57	8.97		11.21		-2.29	8.91	
	8	65 6.2			2.56	9.06		11.7		-2.40	9.30	
	9	65 6.2			2.56	9.06		11.9		-2.44	9.46	
double.	10							12.5? (double)		-2.56	9.94?	
	11	74 7.1			2.37	9.77		12.2		-2.50	9.70	
	12	76 7.3	Ⓑ		2.32	9.92		12.5		-2.56	9.94	
	13	77 7.4	7.6	7.65 10	2.31	9.96		12.8		-2.61	10.19	
	13a	81 7.8	8.1	8.10 00	2.23	10.23		12.8		-2.61	10.19	
	14 ~~17~~	84 8.1	8.3	8.35 01	2.17	10.52		13.3		-2.69	10.61	
	15 18	91 8.8	9.1	9.10 00	2.00	11.10		13.9		-2.70	11.20	
	16 19	91 8.8	9.1	9.10 00	2.00	11.10		14.0?		2.70	11.30?	
	17 20		9.7		1.85	11.55						
	18 21		10.4		1.67	12.07						
	19 22		10.5		1.64	12.14						
	20 23		10.9		1.56	12.46						
	21 24		11.4		1.48	12.88						
	21a →		11.8		1.42	13.22						
	22 25		12.1		1.40	13.50						
	23 26		12.1		1.40	13.50						
	24 27		12.1		1.40	13.50						

Ch. F.C.

Monday January 25, 1915.

Scale R

Series 393.

Mc 7131 C1 cont

Alt. +17

		ac.		Curve	Magn
25	12.4			141	13.81
26	12.4	12.4	1240 00	141	13.81
27	12.9	12.9	1280 11	145	14.25
28	13.1	13.2	1315 10	151	14.66
29	13.4	13.4	1340 00	160	15.00
30	13.9	13.9	1390 00	..180	15.70
31	f.	f.	,	..	F

Ch. F.C.

Monday January 25, 1915

Scale R — Series 393. Copied.

Mc 7131 cont.

Alt. +17 — Diffraction Images.

		g sc.1	g sc.2	h. sc.1	h. sc.2		Curve.	Magn
	1			89 8.6			-1.68	7.22
	2	88 8.5			9.1	8.95 21	-1.70	7.25
	3	86 8.3		87 8.4		8.65 01	-1.63	7.02
too close to a star.	4	.		91 8.8			-1.73	7.37
	5		10.4		10.4	10.40 00	-1.98	8.42
	6		10.3		10.2	10.25 10	-1.94	8.31
	7		10.2		10.3	10.25 01	-1.94	8.31
	7a		10.5		10.5	10.50 00	-1.99	8.51
	8		11.4		11.6	11.50 11	-2.16	9.34
	9		10.9		11.3	11.10 22	-2.08	9.02
double.	10		.		.	.	.	.
	11		11.8		11.9	11.85 01	-2.19	9.66
	12		11.9		12.3	12.10 22	-2.22	9.88
	13		12.4		12.3	12.35 01	-2.24	10.11
	13a		12.4		12.7	12.55 21	-2.25	10.30
	14		12.9		12.9	12.90 00	-2.23	10.67
	15		13.1		13.3	13.20 11	-2.21	10.97
	16		13.4		13.4	13.40 00	-2.18	11.22
	17		13.4		13.9	13.65 28	-2.13	11.52
	18		13.8		14.0	13.90 11	-2.07	11.83
	19		f.			.	.	,

ch. F.C.

12125

Monday January 25, 1915.

Scale R

Series 393.

	Mc 7132			Pole -	P.C.	Diff. Ins. g		h		
	sc.1	sc.2	sc.2		sc.2	sc.1	sc.2	sc.1	sc.2	
5					8.2	79 7.6	B.	t.f.		
6					9.0	88 8.5	8.5	88 8.5	8.7	870 1 2 1 0
8					10.3		10.1		10.2	1015 1 0
9					11.1		10.8		10.8	1080 0 0
10	66 6.3				11.74		11.1		11.2	1115 1 0
11	74 7.1	B.			11.9		11.6		11.4	1150 1 1
12	78 7.5	7.5		7.65 2 1	12.5		12.2		12.3	1225 0 1.
13	84 8.1	8.1		8.25 2 1	13.3		12.5		12.6	1255 1 0
14	86 8.3	8.2		8.40 2 2	13.4		13.1		13.1	13.10 0 0
15	89 8.6	9.1		9.00 1 1	13.9		13.2		13.4	1330 1 1
16		9.6			F.		13.5		13.6	1355 1 0
17		10.1					13.9		t.f.	1390 2 A V
18		10.4					F.		F.	F
19		10.8								
20		11.3								
23		11.9								
25		12.6	12.6	1260 0 0						
26		12.9	12.7	1280 1 1						
27		13.2	13.1	13.15 0 1						
28		13.5	13.4	13.45 1 0						
29		13.6	13.9	1375 2 1	Ch. F.C.					
30		F.								

1.

1.10

Wednesday January 27, 1915.

Scale R. Series 426.

9:50. Mc 7515 Pole-

	sc.1	sc.2	sc.2			Magn.	mc 7520 p101	Mean	δ		P.C. sc.1	sc.2			mc 7520 p101	Mean	δ	Curve	Magn.
5											80 7.7	7.8	7.90	1 1	7.8	7.85	05 05	– 1.36	6.49
6											87 8.4	8.1	8.70	00	8.30	8.50	20 20	– 1.39	7.11
8											10.3				10.0	10.15	1 2	– 1.92	8.23
9											11.2				10.8	11.00	2 2	– 2.17	8.83
10	64 6.1					9.02 ~~8.67~~	5.70	6.05	35 35	2.97	11.3				11.0	11.15	1 2	– 2.13	9.02
11	67 6.4					9.55	6.7	6.70	0 0	2.85	11.9				12.0	11.95	1 0	– 2.40	9.55
12	76 7.3	7 8.1		7.35	23	9.86	7.1	7.22	13 12	2.64	12.4				12.2	12.30	1 1	– 2.44	9.86
13	79 7.6	8.1		8.00	1 1	10.30	7.7	7.85	15 15	2.45	12.6				13.0	12.80	2 2	– 2.50	10.30
14	84 8.1	8.5		8.45	01	10.65	7.90	8.18	27 28	2.47	13.2				13.1	13.15	0 1	– 2.50	10.65
15	90 8.1	8.9		8.95	01	11.08	8.70	8.82	13 12	2.26	13.5				13.7	13.60	1 1	– 2.52	11.08
16		9.2				11.40	9.10	9.15	05 05	2.25	f.				R.				
17		9.8				11.63	9.5	9.65	2 1	1.98									
18		10.4				12.06	10.2	10.30	1 1	1.76									
19		10.5				12.42	10.6	10.55	1 0	1.87									
20		11.0				12.73	11.3	11.15	2 1	1.58									
23		11.6				13.34	11.7	11.65	0 1	1.69									
25		12.2	12.1	12.15	01	13.87	12.35	12.25	10 10	1.62									
26		12.5	12.5	12.50	00	14.33	12.60	12.55	05 05	1.78									
27		12.9	12.9	12.90	00	14.69	13.10	13.00	10 10	1.69									
28		13.4	13.3	13.35	01	15.11	13.35	13.35	00 00	1.76									
29		13.5	13.5	13.50	00	15.66	13.85	13.68	18 17	1.98									
30		f.	f.																
31		m.s																	

See also next page- Ch. F.C.

Wednesday January 27, 1915.

Scale R –

Series 426.

	Mc 7515		Pole cont						
	Image g		Image h.			Diffraction Images.			
	sc.1	sc.2	sc.1	sc.2		mc 7520 p.101			
5	78 7.5	7.6	79 7.6	77 787	02 1m	780	778	01 02	– 129
6	88 8.5	8.7	88 8.5	77 887	0 1 0	825	851	26 26	– 140
8		10.1	sc.2 10.4	1025	1 2	990	1008	17 18	– 185
9		10.8	10.6	1070	1 1	1060	1065	05 05	– 182
10		11.3	11.4	1135	1 0	1085	1110	25 25	– 208
11		11.5	11.6	1155	1 0	1175	1165	10 10	– 210
12		12.1	11.9	1200	1 1	1210	1205	05 05	– 219
13		12.4	12.3	1235	0 1	1245	1240	05 05	– 210
14		12.5	12.9	1270	2 2	1290	1280	10 10	– 215
15		12.9	13.1	1300	1 1	1310	1305	05 05	– 197
16		13.4	13.4	1340	0 0	1366	1348	08 07	– 208
17		13.5	13.5	1350	0 0	1375	1362	12 13	– 199
18		13.7	f.	13.70	a 9	1400	1385	15 15	– 179
19		14.1	m.s.	1410	a .	.	1410	a .	– 168
20		m.s.							
23									

Ch. F. C.

Wednesday January 27, 1915

Card.

Scale R

Series 426.

Copied.

		Mcf 516				116 R			0 12 -14.9					
		Alt - 21					P.C.			g	h			
		sc.1	sc.2	sc.2	Cu.	Magn.	sc.2	Cu.	Magn.	sc.2	sc.2		Cu.	Magn.
	1	55 52			.		10.4	-2.01	8.39	10.4	10.5	1045 01	-1.89	8.56
	2	6.3 6.0			2.92	9.22	11.5	-2.27	9.23	11.3 ~~12.1~~	11.3	11.30 00	-2.05	9.25
	3	7.0 6.7			2.72	9.72	12.1	-2.39	9.71	11.1	t.f.	11.70 a.	-2.11	9.59
	4	7.4 7.1	B.		2.61	10.01	12.3	-2.40	9.90	12.1	12.2	12.15 1 0	-2.13	10.02
	5	8.7 8.4	8.4	8.55 12	2.30	10.85	13.5	-2.52	10.~~7~~98	13.4	13.3	13.35 0 1	-1.99	11.36
	6		9.6		2.00	11.60				½.	14.0	14.00 . a	-1.74	12.26
	7		10.6		1.74	12.34				m.s.		.	.	.
	8		11.4		1.6~~4~~5	13.0~~4~~5								
	9		11.9		1.64	13.54								
	10		12.4		1.66	14.06								
Remeas. Jan. 25. 1917.	11		12.6	12.5 12.55 01	1.68	14.23								
	12		13.1	13.1 13.10 00	1.76	14.86								
13.3	13		13.4	13.4 13.40 00	1.83	15.2~~0~~3								
12.6	14		12.5	12.6 12.55 1 0	1.68	14.23								
13.3	15		13.3	13.4 13.35 1 0	1.81	15.16								

Ch. F.C.

Wednesday January 27, 1915.

Card.

Scale R

Series 426 - Copied.

MC 7517 Carte 1.00-16.5

Alt -.23 P.C.

g h

	sc.1	sc.2	sc.2	Curve.	Magn.	sc.?	Cu.	Magn	sc.2 ~~sc.1~~	sc.2		Cu.	Magn
1	4.4 4.1			.		9.3	-1.70	7.60	8.8	8.9	0 1 8.85	-1.51	7.34
2	4.6 4.3			.		9.9	-1.87	8.03	9.5	9.4	1 0 9.45	-1.68	7.77
3	6.7 6.5 6.4 6.2		6.60 11	2.84	9.44	def. ~~#3~~	.	.	11.3	11.4	1 0 11.35	-2.06	9.29
4	6.6 6.7 6.3 6.4	sc.2	6.65 01	2.83	4 9.x8	12.1	-2.39	9.71	11.7	11.7	0 0 11.70	-2.11	9.59
5	7.8 7.5	7.5	7.65 21	2.55	10.20	12.9	-2.48	10.42	12.5	12.4	1 0 12.45	-2.13	10.32
6	8.7 8.4	8.6	8.65 10	2.28	10.93	13.7	-2.54	11.16	13.3	13.4	1 0 13.35	-1.99	11.36
7	8.8 8.5	8.7	8.75 01	2.23	10.98	13.8	.	.	13.4	13.7	2 1 13.55	-1.94	11.61
8	9.3 9.0	9.3	9.30 00	2.08	11.38	f.	..	.	13.6	13.7	0 1 13.65	-1.91	11.74
9		10.3		1.83	12.13	m.s.	..		14.0	f.	a 7 14.00	-1.75	12.25
10		10.8		1.72	12.52				m.s.		.	.	.
11		10.6		1.74	12.34								
12		10.8		1.72	12.52								
13		11.1		1.69	12.79								
14		11.4		5 1.6~~4~~	5 13.0~~4~~								
15		11.6	11.7 0 1 11.65	3 1.64	8 13.29								
16		12.3	12.1 1 1 12.20	1.64	13.84								
17		12.5	12.3 1 1 12.40	1.67	14.07								
18		12.6	12.8 1 1 12.70	1.69	14.39								
19		13.3	13.1 1 1 13.20	1.78	14.98								
20		f.	f. .	.	.								

Ch. F.C.

Wednesday January 27, 1915.

Card.

Scale R | Series 2426. | Copied

Mc 7518	117 R	1 12h - 14.7°

Alt .18

Pc.

Differ Inv.

	sc1	sc2	sc2		Cw.	Magn	sc2	Cw.	Magn	g sc1	h sc2		Cw.	Magn
1	6.7 6.4				2.82	9.52	12.2	-2.40	9.80	11.7	11.7	11.70 00	-2.11	9.59
2	7.2 6.9				2.68	9.88	12.7	-2.46	10.24	12.2	12.4	12.30 11	-2.14	10.16
3	7.8 7.5	B.			2.49	10.29	13.4	-2.51	10.89	12.5	12.6	12.55 10	-2.12	10.43
4	7.9 7.6	8.1		8.00 11	2.45	10.45	13.4	-2.51	10.89	12.8	12.6	12.70 11	-2.11	10.59
5	8.9 8.6	8.7		8.80 11	2.21	11.01	13.8	.	.	13.3	13.4	13.35 10	-1.99	11.36
6	~~9.9~~ 9.7	9.9			1.92	11.82	f	.	.	14.0	13.8	13.90 11	-1.81	12.09
7		10.5			1.78	12.28								
8		10.9			1.71	12.61								
9		11.4			1.65	13.05								
10		11.5			1.64	13.14								
11		11.6	11.6	11.60 00	16.4	13.24								
12		11.6	11.7	11.65 01	1.64	13.29								
13		11.9	11.7	11.80 11	1.63	13.43								
14		12.6	12.5	12.55 01	1.68	14.23								
15		12.8	12.9	12.85 01	1.71	14.56								
16		13.4	13.4	13.40 00	1.82	15.22								

Ch. F.C.

P.C. faint on this plate.

100

Wednesday January 27, 1915.

Card.

Scale R

Series 436 —

Copied

MC 7519 Carte 2 21 0 + 46.0

Alt. +61 OC.

Diffr. Im.

	sc.1	sc.2	sc.2	Cu.	Magn	sc.1	sc.2		Cu.	Magn	g sc.2	h sc.2		Cu.	Magn
1	33 3.0			.		87 8.4	8.5	8.60 11	-1.50	7.10	8.4	8.4	8.40 00	-1.41	6.99
2	54 5.1			.		10.6			-2.06	8.54	10.6	10.5	10.55 01	-1.92	8.63
3	60 5.7			2.97	8.97	1 18.5			-2.28	9.22	11.2	11.4	11.30 11	-2.05	9.25
4	71 6.8			2.70	9.80	12.5			-2.44	10.06	11.8	12.1	11.95 21	-2.13	9.82
5	73 7.0	Ⓑ		2.64	9.94	12.6			5 -2.46	10.15	12.4	12.4	12.40 00	-2.14	10.26
6	79 7.6	7.5	7. 8.70 22	2.52	10.22	12.8			-2.47	10.33	13.4 ~~10.1~~	13.5	13.45 01	-1.98	11.47
7	87 8.4	8.6	8.65 10	2.28	10.93	~~12.8~~			.	.	f. ~~13.1~~	f.	.	.	.
8		9.8		1.94	11.74						f.	f.	.	.	
9		10.1		1.87	11.97										
10		10.3		1.83	12.13										
11		10.1 ~~9.8~~		1.87	11.97										
12		10.7		1.74	12.44										
13		11.4		1.65	13.05										
14		11.7		1.64	13.34										
15		11.8		1.64	13.44										
16		11.8	11.9	11.85 01 1.63	13.48										
17		12.6	12.4	12.50 11 1.67	14.17										
18		12.6	12.6	12.60 00 1.68	14.28										
19		13.5	13.2	13.35 12 1.81	15.16										
20		14.0	14.0	14.00 00	.										

Ch. F. C.

Wednesday January 21, 1915

Scale R

Series 426 —

	MC 7 5 20			Pole —	P.C.		diffr. Im.				
	sc.1	sc.2	sc.2		sc.1	sc.2	g sc.1	~~g~~ sc.2	h sc.1	h sc.2	Mean
5					78 7.5	B.	78 7.5	B.	78 7.5	B.	7.80 00
6					83 8.0	8.3	84 8.1	8.1	84 8.1	8.1	5 82X 22 22
8						10.0		9.7		10.1	990 22
9						10.8		10.7		10.5	1060 11
meas. twice by mistake 10	56 53	58 5.5		570 11		11.0		10.8		10.9	1085 01
11	6.7 6.4					12.0		11.8		11.7	1175 01
12	7.1 6.8					12.2		12.3		11.9	1210 22
13	7.7 7.4					13.0		12.5		12.4	1245 10
14	7 80 8.1	7.8		790 11		13.1		12.9		12.9	1290 00
15	87 8.4	8.7		870 00		13.7		13.2		13.0	1310 11
16	91 8.8	9.1		910 00		nearly suf.		13.5		13.6	1355 10
17		9.5						13.7		13.8	1375 10
18		10.2						14.0		14.0	1400 00
19		10.6									
20		11.3									
23		11.7									
25		12.3	12.4	1235 10							
26		12.6	12.6	1260 00							
27		12.9	13.3 13.1	1310 220							
28		13.3	13.4	1335 10							
29		13.9	13.8	1385 10							
30		f.	f.								
31											

Ch. F.C.

12:11

Thursday January 28, 1915.

Scale R

Series 393. (2nd half)

9:05

	MC 7132			Pole.				P.C.					
	sc.1	sc.2	sc.2		mc 7138 p111	Mean	Diff.	sc.1	sc.2		mc 7138 p111	Mean	
5								8.4 8.1	8.0	8.20 2 2	.	8.20 a .	-471
6								9.1 8.8	8.9	9.00 1 1	9.1	9.05 05 05	-194
8									10.5		104	10.45 1 0	-222
9									11.2		111	11.15 0 1	-232
10	6.5 6.2				6.5	6.50 0 0	2.52		11.7		114	11.55 1 2	-253
11	7.4 7.1	B			7.4	7.40 0 0	2.15		11.8		118	11.80 0 0	-225
12	7.8 7.5	7.8^{6}		7.70 1 1	7.60	7.65 05 05	2.21		12.5		123	12.40 1 1	-254
13	8.5 8.2	8.4		8.45 1 0	8.25	8.35 10 10	1.95		13.0		128	12.90 1 1	-260
14	8.7 8.4	8.6		8.65 1 0	8.65	8.65 00 00	2.00		13.3		132	13.25 1 0	-260
15	9.2 8.9	9.2		9.20 0 0	9.25	9.22 02 03	1.86		13.6		137	13.65 0 1	-257
16		9.7			9.5	9.60 1 1	1.80		def?		g		
17		10.1			9.7	9.90 2 2	1.73		m.s.		n.s		
18		10.5			10.5	10.50 0 0	1.56						
19		10.8			10.7	10.75 0 1	1.67						
20		11.2			11.1	11.15 0 1	1.58						
23		12.1			11.8	11.95 1 2	1.39						
25		12.5	12.7	12.60 1 1	12.3	12.45 15 15	1.42						
26		12.7	13.1	12.90 2 2	12.70	12.80 10 10	1.53						
27		13.2	13.2	13.20 0 0	13.20	13.20 00 00	1.49						
28		13.4	13.5	13.45 0 1	13.40	13.42 03 02	1.69						
29		13.5	13.6	13.55 1 0	13.75	13.65 10 10	2.01						
30		m.s. f.			14.00	14.00 . a	2.04						
31					F								

Ch. F. C.

Thursday January 28, 1915.

Scale R. Series 393

MC 7132 Pole cont.

Diffraction Images.

	g sc1	g sc2	h sc1	h sc2			MC 7138 p111	Mean			
5	80. 7.7	7.8	80. 7.7	8 t.p.	7.93	1 1 1	7.80	7.86	07	06	– 1.37
6	8.7 8.4	8.7	9.0 8.7	8.7	8.78	1 1 2 1	8.62	8.70	08	08	– 1.59
8		10.3		10.4	10.35	1 0	10.00 8	10.18	17	18	– 1.95
9		10.7		10.8	10.75	1 0	10.50	10.62	13	12	– 1.79
10		11.4		11.2	11.30	1 1	10.90	11.10	20	20	– 2.08
11		11.7		11.8	11.75	1 0	11.55	11.65	10	10	– 2.10
12		12.2		close to defect			11.75	11.98	2 2~~4~~	23	– 2.12
13		12.6		12.5	12.55	0 1	12.40	12.48	07	08	– 2.18
14		12.9		12.8 ~~12.5~~ w.s.	12.86	1 0	12.75	12.80	05	05	– 2.15
15		13.3		13.5	13.40	1 1 2	13.05	13.22	18	17	– 2.14
16		13.6		13.4? poor	? 13.50	1 1	13.40	? 13.45	05	05	– 2.05
17		13.9		t.p.	13.90	a 8	13.65	13.78	12	13	– 2.15
18		f.		f.	F		14.05	14.05		a	– 1.99
19		m.s.		m.s.							
20											
23											
25											
26											
27											
28											

Ch. F. C.

Thursday January 28, 1916.

Scale 12 Series 393. Copied. Card.

Mc 133					Carte		1	0 +10.5						
		Alt. +13					P.C.			Differ Inst.				
					Curve.	Magn	sc. 2	Curve	Magn	sc.1 g 8.9	sc.2 h		Curve	Magn.
1	3.6 3.3						9.1	-1.93	7.17	86	t.p.	8.90 a .	-1.64	7.26
2	5.4 5.1						10.3	-2.21	8.09	10.2	10.2	10.20 00	-1.92	8.28
3	6.6 6.3				2.44	9.04	11.6	-2.46	9.14	11.4	11.5	11.45 01	-2.08	9.37
4	6.8 6.5	B			2.38	9.18	12.0	-2.50	9.50	11.4	11.5	11.45 01	-2.08	9.37
5	8.1 7.8	7.7		7.90 22	2.10	10.00	12.8	-2.54	10.26	12.4	12.5	12.45 01	-2.13	10.32
6	8.5 8.2	8.4		8.45 10	1.99	10.44	13.2	-2.54	10.66	12.6	12.5	12.55 01	-2.13	10.42
7	8.7 8.4	8.5		8.60 11	1.96	10.56	13.5	-2.54	10.96	12.9	12.8	12.85 10	-2.13	10.72
8		9.2			1.85	11.05	13.8	? -2.52	11.28	13.2	13.1	13.15 01	-2.11	11.04
9		9.4			1.81	11.21	f.	.	.	13.6	13.6	13.60 00	-2.08	11.52
10		9.9			1.72	11.62				13.6	13.8	13.70 11	-2.07	11.63
11		10.1			1.68	11.78				n.s.	n.s.	.	.	.
12		10.5			1.62	12.12								
13		10.9			1.57	12.47								
14		11.1			1.54	12.64								
15		11.6			1.49	13.09								
16		11.7	11.7	11.70 00	1.48	13.18								
17		12.0	12.1	12.05 01	1.46	13.51								
18		12.2	12.3	12.25 01	1.45	13.70								
19		12.9	13.1	13.00 11	1.49	14.49								
20		13.5	13.6	13.55 10	1.54	15.09								

Ch. F. C.

Thursday January 28, 1915.

Scale R. Series 393. Copied. Card.

MC 7134 Carte 1 +54.5

	Alt. +21					A.C.				Diffr. Im. g		h			
	SC.1	SC.2	SC.2	Curve	Magn	SC.1	SC.2	Curve	Magn	SC.1	SC.2	SC.1	SC.2	Curve	Magn
1	B. 4.					7.7 6.9	B.			7.0 6.7	B.	7.1 6.8	B.	7.05 01 -1.76	
2	4.5 4.1					9.6		-2.05	7.55		9.4		9.4	9.40 00	7.64
3	6.5 6.2			2.48	8.98	11.5		-2.44	9.06		11.4		11.3	11.35 01 -2.08	9.27
4	6.7 6.4.	B.		2.42	9.12	11.6		-2.46	9.14		11.3		11.5	11.40 11 -2.10	9.30
5	7.8 7.5	7.7	7.75 0 1	2.12	9.87	13.1		-2.54	10.56		12.5		12.5	12.50 00 -2.14	10.36
6		9.2		1.85	11.05	13.5		-2.54	10.96		13.4		13.5	13.45 01 -2.10	11.35
7		9.9		1.72	11.62	13.8		-2.52	11.28		13.6		13.8	13.70 11 -2.07	11.63
8		10.5		1.63	12.13	n.s.					14.0		t.f.	14.00 2 -2.04	11.96
9		10.6		1.61	12.21										
10		11.4		1.51	12.91										
11		11.6		1.49	13.09										
12		11.7		1.48	13.18										
13		12.0		1.46	13.46										
14		12.2		1.45	13.65										
15		12.6	12.4	1 1 12.50	1.46	13.96									
16		12.4	12.2	1 1 12.30	1.45	13.75									
17		12.9	12.8	1 0 12.85	1.49	14.34									
18		13.2	13.1	0 1 13.15	1.51	14.66									
19		13.6	13.5	0 1 13.55	1.55	15.10									
20		13.9	13.9	0 0 13.90	1.59	15.49									

Ch. F. C.

Thursday January 28, 1915.

Scale R

Series 393. Copied Card.

		Mc 7135			B1			1 20 + 45.0				
					Alt. + 2.2			P.C.				
		sc.1	sc.2	sc.2		Curve	Magn	sc.1	sc.2		Curve	Magn.
	1	B.						8.9 8.6.	8.7	8.80 11	-1.87	6.93
	2	3.4 3.1						9.1 8.8	9.1 8.8	9.00 112	-1.91	7.09
	3	3.8 3.5						8.9 8.6	9.0 8.9	893 010	-1.88	7.05
	4	3.9 3.6							9.6		-2.06	7.54
	5	4.4 4.1							9.7		-2.08	7.62
	6	5.2 4.9							10.2		-2.19	8.01
	7	5.6 5.3							10.7		-2.29	8.41
	8	5.5 5.2							10.8		-2.31	8.49
	8a	5.6 5.3							10.8		-2.31	8.49
	9	5.9 5.6							11.4		-2.41	8.99
double.	10	.							11.5		-2.43	9.07
	11	5.9 5.6							11.4		-2.41	8.99
	12	6.4 6.1				2.51	8.91		11.4		-2.41	8.99
	13	6.5 6.2				2.48	8.98		11.7		-2.47	9.23
	14	7.2 6.9	B.			2.25	9.45		12.3		-2.53	9.77
	15	7.6 7.3	7.6		7.60 00	2.16	9.76		12.7		-2.54	10.16
? not Error of unit. Reject. 1st Reading on 1st scale correct	16	8.7 8.4	~~4.7~~			1.94 ~~2.14~~	10.64 9.84		13.5		-2.54	10.96
	17	8.4 8.1	~~7.6~~ ~~8.1~~ 8.4		8.40 00	2.00	10.40		13.3		-2.54	10.76
	18	8.4 8.1	8.5		8.45 01	1.99	10.44		13.4		-2.54	10.86
	19		9.2			1.85	11.05		13.5		-2.54	10.96
	20		9.2	9.3	9.25 01	1.84	11.09					
	21	8 8.7 8.5	8.7		.5 1 8.70 00	1.94	9 10.64		7.			
	22		9.6			1.77	11.37					
	23		9.6			1.77	11.37					
	23a		9.7			1.74	11.44					
	24		10.5			1.62	12.12		Ch. F.C.			

Remeas. Monday Feb. 8, 1915

	sc 2
15	7.4
16	8.4
17	8.4

1st measures on 2nd scale ~~above~~ not error of unit. Must have been wrong later. Reject.

See P. 108

Thursday January 28, 1915.

Scale R

Series 393. Copied.

	Mc 7135		B1				
	g	alt + i 2	h			Diffr. Images.	
	sc.1	sc.2	sc.1	sc.2		Curve.	Magn.
1	8.9 8.6 ~~8.4~~	9.1	9.6 8.7	8.9	8.98 1 1 0 1	-1.66	7.32
2	8.6 8.~~7~~3	t.fr.	8.7 8.4	8.4	8.57 0 9 1 2	-1.57	7.00
3	7.7 7.4	7.8	7.9 7.6	7.6	7.7~~X~~5 1 0 1 2	-1.37	6.~~40~~38
4	8.9 8.6	8.7	8.9 8.6	9.1	8.90 0 2 0 2	-1.63	7.27
5		9.8 ~~10.1~~		10.1 ~~9.5~~	9.95 . 2 1	-1.88	8.07
6		9.8		10.1	9.95 2 1	-1.88	8.07
7		10.5		10.5	10.50 0 0	-1.98	8.52
8		10.4		10.4	10.40 0 0	-1.97	8.43
8a		10.7		10.6	10.65 1 0	-1.99	8.66
9		10.6		10.7	10.65 0 1	-1.99	8.66
10		11.5		11.4	11.45 1 0	-2.09	9.36
11		10.7		10.7	10.70 0 0	-2.00	8.70
12		11.1		11.1	11.10 0 0	-2.07	9.03
13		11.3		11.4	11.35 1 0	-2.09	9.26
14		11.8		11.7	11.75 0 1	-2.11	9.64
15		12.2		12.2	12.20 0 0	-2.12	10.08
16		12.9		12.9	12.90 0 0	-2.13	10.77
17		12.5		12.6	12.55 1 0	-2.14	10.41
18		12.6		12.6	12.60 0 0	-2.14	10.46
19		12.9		12.9	12.90 0 0	-2.13	10.77
20		13.3		13.5	13.40 1 1	-2.10	11.30
21		13.1		13.4	13.25 1 2	-2.11	11.14
22		13.5		13.8	13.65 1 2	-2.08	11.57
23		13.5		13.5	13.50 0 0	-2.09	11.41
23a		f		14.0	14.00 f 2	-2.04	11.96
24		f.		f.	,	,	,

Ch. F. C.

Thursday January 28, 1915.

Scale R.

Series 393 Copied. Card.

MC 7135 cont. from p. 106.

alt. + 2.22

	sc.2			Curve	Magn
25	10.7			160	12.30
26	10.6			161	12.21
26a	11.1			154	12.64
26b	11.2			152	12.72
27	11.8			147	13.27
28	12.1			146	13.56
29	12.3	12.3	12.30 00	145	13.75
30	12.6	12.6	12.60 00	147	14.07
31	12.9	12.9	12.90 00	149	14.39
32	13.4	13.4	13.40 00	153	14.93
33	13.5	13.6	13.55 10	154	15.09
34	f.	f.			*
35	ms.				

Ch. F. C.

Thursday January 28, 1915.

Scale R. Series 393. Copied Card.

MC 1 136 Carte 2 0.0+64.5 (1m overexposed) see also next pg.

Alt. +.19 B.C. Diffr. Image g h

Corr. for over-exp. +0.09 - Total corr. = +0.28

	sc.1	sc.2		Curve	Magn	sc.1	Sc.2		Curve	Magn	sc.2 g	h		Curve	
1	B.					7.9 7.6	7.6	7.75 i 2	-1.58	6.17	7.7	7.7	7.70 00	-1.33	6.37
2	B.					9.3			-1.98	7.32	9.6	9.4	9.50 11	-1.78	7.72
3	6.1 5.8			2.62	8.72	11.1			-2.36	8.74	11.1	t.p.	11.10 a.	-2.06	9.04
4	6.3 6.0			2.54	8.84	11.5			-2.43	9.07	11.4	11.5	11.45 01	-2.09	9.36
5	7.5 7.2	B.		2.18	9.68	11.8	12.1	11.95 2 1	-2.48	9.47 ~~9.62~~	11.8	11.7	11.75 01	-2.11	9.64
6	7.8 7.5	7.6	7.70 11	2.14	9.84	12.8			-2.54	10.26	12.4	12.4	12.40 00	-2.14	10.26
7	8.0 7.7	8.2	8.10 11	2.05	10.15	13.1			-2.54	10.56	12.6	12.5	12.55 01	-2.14	10.41
8	9.1 8.8	9.1	9.10 00	1.86	10.96	13.5			-2.54	10.96	13.3	13.5	13.40 11	-2.10	11.30
9		9.5		1.79	11.29	f.					13.9	13.9	13.90 00	-2.05	11.85
10		10.2		1.66	11.86						m.s.	n.s.			
11		10.4		1.63	12.03										
12		11.3		1.52	12.82										
13		11.4		1.52	12.91										
14		11.5		1.50	13.00										
15		11.6		1.49	13.09										
16		11.8 11.9	11.85 01	1.47	13.32										
17		12.3 12.2	12.25 10	1.45	13.70										
18		12.5 12.5	12.50 00	1.46	13.96										
19		13.3 13.1	13.20 11	1.51	14.71										
20		13.8 13.8	13.80 00	1.58	15.38										

Ch. F. C.

Thursday January 28, 1915

Scale R Series 393 Copied. Card

MC 7137 Carté 2 0 + 64.5

Alt.+19 Qc Diffr. Im

	sc.1	sc.2	sc.2	Curve	Magn	sc.1 7.9	sc.2 7.80	Curve. i2	Magn	g sc.2	sh sc.2	le ~~sc.2~~	Curve.	Magn
1	B			.		7.6	7.7	–1.59	6.21	7.7	7.5	7.60 11	–1.55	.
2	B			.			8.9	–1.88	7.02	8.9	9.3	9.10 22	–1.~~78~~ 68	7.42
3	5.8 5.5			.			11.1	–2.37	8.7~~4~~ 3	11.1	t.f.	11.10 2 :	–~~2.87~~ ~~1.90~~ 2.05	~~9.20~~ 9.05
4	5.8 5.5			.			11.6	–2.43	9.17	11.3	11.4	11.35 10	–2.~~44~~ 08	9.27
5	6.8 6.5	B.		2.38	9.18		12.1	–2.51	9.59	11.9	11.8	11.85 10	–2.~~48~~ 11	9.74
6	7.8 7.5	7.5	7.65 21	2.16	9.81		13.1	–2.54	10.56	12.1	12.4	12.25 12	–2.~~52~~ 13	10.12
7	7.9 7.6	8.1	8.00 11	2.07	10.07		13.1	–2.54	10.56	12.8	12.6	12.70 11	–2.~~54~~ 13	10.57
8	8.8 8.5	9.1	8.95 21	1.89	10.84		13.9?	,	.	13.5	13.4	13.45 10	–2.~~54~~ 09	11.36
9		9.4		1.81	11.21		f.	,	.	13.9	14.0	13.95 10	–2.04	11.91
10		10.1		1.68	11.78					f.		.	.	.
11		10.6		1.61	12.21					ms.		.	.	,
12		11.1		1.54	12.64									
13		11.4		1.51	12.91									
14		11.5		1.50	13.00									
15		11.6		1.49	13.09									
16		11.8 11.8	11.80 00	1.48	13.28									
17		12.5 12.4	12.45 10	1.46	13.91									
18		12.6 12.6	12.60 00	1.47	14.07									
19		13.3 13.4	13.35 10	1.53	14.88									
very ft. 20		14.0 14.1?	? 14.05 01	1.62	15? 14.67									

Ch. F. C.

Thursday January 28, 1915

Scale R

Series 393.

	MC 7138			Pole – Pc.		Diffr. Im. g		h		
	sc.1	sc.2	sc.2	sc1	sc2	sc1	~~sc2~~ sc2	sc.1	sc.2	
5						7.9° 7.6	B. ~~7.6~~	7.7° 7.4	B.	7.80 11
6				9.1		8.7° 8.4	8.5	8.8° 8.5	8.5	8.62 11 21
8				10.4			noon 9.9		10.1	10.00 11 9
9				11.1			10.5		10.5	10.50 00
10	6.5° 6.2			11.4			10.7		11.1	10.90 22
11	7.4° 7.1	B		11.8			11.5		11.6	11.55 10
12	7.7° 7.4	7.5	7.60 11	12.3			11.6		11.9	11.75 21
13	8.4° 8.1	8.1	8.25 21	12.8			12.4		12.4	12.40 00
14	8.7° 8.4	8.6	8.65 10	13.2			12.7		12.8	12.75 10
15	9.2° 8.9	9.3	9.25 01	13.7			13.1		13.0	13.05 10
16		9.5		f			13.4		13.4	13.40 00
17		9.7		n.s.			13.5		13.8	13.65 12
18		10.5					14.1		14.0	14.05 10
19		10.7								
20		11.1								
23		11.8								
25		12.3								
26		12.9 12.5	12.70 22							
27		13.4 13.0	13.20 22							
28		13.5 13.3	13.40 11							
29		13.7 13.8	13.75 10							
30		14.0 14.0	14.00 00							
31		f								

Ch. F. C.

Saturday, February 6, 1915.

Card

Scale R

Series 434 - Copied

9 —		MC 7616			a 1		4 +75°				
		Alt. +.14					P.C.				
		sc.1	sc.2		Curve.	Magn	sc.1	sc.2		Curve	Magn
	1	B.					8.8 8.5	8.6	8.70 11	-1.52	7.18
	2	B.					9.0 8.7	9.0	9.00 00	-1.56	7.44
	3	B.					8.6 8.3	8.7	8.65 01	-1.51	7.14
	4	B.					9.0 8.7	9.3	9.15 21	-1.58	7.57
	4a	3.6 3.3						9.3		-1.62	7.68
	4b	4.7 4.4						9.8		-1.71	8.09
	5	5.2 4.9			3.44	8.64 ε		10.3		-1.80	8.50
	6	5.4 5.1			3.39	8.79 ε		10.5		-1.84	8.66
	7	5.4 5.0			3.39	8.79 ε		10.4		-1.83	8.57
	8	5.3 5.0			3.42	8.72 ε		10.6		-1.86	8.74
	9	5.3 5.0			3.42	8.72 ε		10.6		-1.86	8.74
	9a	5.8 5.5			3.28	9.08		10.8		-1.89	8.91
	9b	5.9 5.6	—		3.26	9.16		11.4		-2.13	9.37
	10	6.5 6.2	—		~~2.48~~ 3.11	9.61		11.8		-2.23	9.67
	11	6.5 6.2			3.11 ~~2.48~~	9.61		11.5		-2.05	9.45
	12	7.1 6.8			93 2.88	10.03		12.5		-2.24	10.26
	13	7.1 6.8			93 2.28	10.03		12.5		-2.24	10.26
	14	7.8 5 7.4			70 2.72	10.50		13.1		-2.32	10.78
	15	7.8 7.5	B.		70 2.72	10.50		13.1		-2.32	10.78
	16	7.8 7.5	7.8	7.80 00	70 2.72	10.50		13.4		-2.36	11.04
	17	8.5 8.2	8.3	8.40 11	53 2.49	10.93		13.5		-2.37	11.13
	18	8.9 ~~8.6~~	8.8	8.85 10	38 2.42	11.23		13.7		-2.39	11.31
	19	8.9 8.6	8.7	8.80 11	0 2.42	11.20		13.7		-2.39	11.31
Image peculiar.	20		9.5?		2.19	11.69?		f.			
	21		9.6		2.15	11.75					
	22		10.6		1.88	12.48					
	23		10.6		1.88	12.48					
	24		11.2		1.72	12.92					

Saturday February 6, 1910.

Card.

Scale R

Series 434 - Copied.

	Mc 7616		a 1		
			alt. + 14		
~~24 a~~	sc. 2			Curve	Magn
25	11.7			1.63	13.33
26	11.9			1.61	13.51
27					
27 a	12.6	12.5	12.55 0 1	1.57	14.12
28	12.8	12.9	12.85 0 1	1.57	14.42
29	13.3	13.2	13.25 1 0	1.58	14.83
30	13.7	13.7	13.70 0 0	1.70	15.40
31	f.	f.			
~~31 a~~					
~~32~~					
e	11.3				
(27 b	12.8	12.6	12.70 1 1	1.56	14.26

Saturday February 6, 1915

Cont.

Scale R

Series 434.

copied.

MC 1616 cont

a1 alt + 14

Diffr. Images

		g sc.1	g sc.2	h sc.1	h sc.2				Curve	Magn.
poor.	1	85 8.2		88 8.5		8.65	1	2	-1.09	7.56
	2	88 8.5		88 8.5		8.80	0	0	-1.14	7.66
	3	79 7.6		t.f.		7.90	a	·	-0.94	6.96
	4	86 8.3	8.5	86 8.3 ~~86~~	8.6	8.58	0 1	0 0	-1.08	7.50
	4a	t.f.			9.3	~~8.70~~ 9.30	~~a~~ :	 a	~~1.11~~ -1.28	 8.02
	4 b	88 8.5	~~8~~8.5			8.65	2	1	-1.09	7.56
	5		9.6		9.6	9.60	0	0	-1.37	8.23
	6		10.4		10.4	10.40	0	0	-1.62	8.78
	7		10.4		10.3	10.35	0	1	-1.60	8.75
	8		10.1		10.2	10.15	1	0	1.53 -~~2.05~~	8.62
	9		10.4		10.4	10.40	0	0	-1.62	8.78
	9a	1	10.5		10.6	10.55	1	0	-1.67	8.88
	10		11.3		11.4	11.35	1	0	-1.88	9.47
	11		11.4		11.5	11.45	0	1	-1.92	9.53
	12		sup.		12.1	12.10	·	a	-2.04	10.06
	13		11.8		12.1	11.95	2	1	-2.01	9.94
	14		12.5		12.6	12.55	1	0	-2.11	10.44
	15		12.5		12.4	12.45	1	0	-2.08	10.37
	16		12.8		12.6	12.70	1	1	-2.12	10.58
	17		13.4		13.4	13.40	0	0	-2.14	11.26
	18		13.3		13.4	13.35	1	0	-2.15	11.20
	19		13.4		13.5	13.45	0	1	4 -2.1~~7~~	11.31
	20		13.8		13.8	13.80	0	0	-2.07	11.73
	21		14.0		14.0	14.00	0	0	-2.00	12.00
	22									

Ch. F.C.

Saturday February 6, 1915

Card.

Scale R

Series 434 Copied.

	MC 7617			Carte		4 + 64.5			
			Alt. +.19			P.C.			
	sc.1	sc.2		Curve	Magn.	sc.1	sc.2	Curve	Magn.
1	B.						9.6	-1.68	7.92
2	5.9 5.6			3.26	9.16		11.5+	-2.0~~7~~ 5	9.4~~7~~ 5
3	7.4 7.1			2.84	10.24		12.5	-2.23	10.27
4	7.7 7.4			2.73	10.43		13.1	-2.32	10.78
5	7.8 7.5			2.70	10.50		13.1	-2.32	10.78
6	7.9 7.6	8.1	8.00 ±.1	2.65	10.65		13.4	-2.37	11.03
7	8.5 8.2	8.4	8.45 .10	2.52	10.97		13.4	-2.37	11.03
8	8.9 8.6	9.1	9.00 ±.1	2.34	11.34		~~13.5~~ t.p.		
9	8.7 8.4	8.8	8.75 ±.0	2.41	11.16		14.0	-2.42	11.58
10		9.7		2.13	11.83				
11		10.2		1.98	12.18				
12		9.8		2.10	11.90				
13		10.5		1.91	12.41				
14		10.7		1.87	12.57				
15		10.9		1.81	12.71				
16		11.3	11.3 .00 11.30	1.70	13.00				
17		11.6	11.7 .01 11.65	1.64	13.29				
18		11.7	11.7 .00 11.70	1.63	13.33				
19		12.4	12.6 .11 12.50	1.57	14.07				
20		13.4	13.8 -.27 13.60	1.67	15.27				

Ch. F. C.

(See also next page.)

Saturday February 6, 1915.

Scale 12-

Series 434. Copied

Mc7617

g h Diffr Im. Alt +.19

	g sc.1	g sc.2	h sc.1	h sc.2		Curve	Magn
1		9.4		9.4	9.40 00	-1.31	8.09
2		11.1		11.1	11.10 00	-1.83	9.27
3		12.3		12.4	12.35 10	-2.08	10.27
4		12.5	+2	12.5	12.50 00	-2.10	10.40
5		12.5		12.6	12.55 10	-2.10	10.45
6		12.8		12.8	12.80 00	-2.12	10.68
7		13.2		12.9	13.05 21	-2.14	10.91
8		13.6		13.4	13.50 11	-2.13	11.37
9		13.4		13.3	13.35 01	-2.15	11.20
10		14.0		14.0	14.00 00	-2.00	12.00
11				f			
12							

Ch. F. C.

Saturday February 6, 1915.

Scale R

Series 434 Copied.

	Mc 7618			B2		4 +45°				
				Alt. +.22		O.C.				
	sc.1	sc.2		Curve		sc.1	sc.2		Curve	Magn
1	$\overset{4.5}{4.2}$			.		$\overset{8.9}{8.6}$	8.6	8.75 12	-1.52	7.23
2	B.			.		$\overset{8.9}{8.6}$	8.8	8.85 10	-1.54	7.31
3	B.			.		$\overset{9.1}{8.8}$	9.1	9.10 00	-1.58	7.52
4	$\overset{4.8}{4.5}$			.			9.6		-1.68	7.92
5	$\overset{4.3}{4.0}$			.			9.6		-1.68	7.92
6	$\overset{5.2}{4.9}$			.			10.2		-1.79	8.41
7	$\overset{4.6}{4.3}$ $\overset{4.8}{4.5}$		4.70 21	.			9.9		-1.72	8.18
8	$\overset{5.4}{5.1}$			3.40	8.80ε		10.4		-1.82	8.58
9	$\overset{5.5}{5.2}$			3.38	8.88ε		10.3		-1.80	8.50
10	$\overset{5.7}{5.4}$			3.32	9.02		11.2		-1.99	9.21
11	$\overset{5.8}{5.5}$			3.29	9.09		11.4		-2.03	9.37
12	$\overset{6.1}{5.8}$			3.23	9.33		11.5		-2.04	9.46
13	$\overset{6.4}{6.1}$			3.13	9.53		11.5		-2.04	9.46
14	$\overset{6.6}{6.3}$			3.07	9.67		11.8		-2.12	9.68
15	$\overset{6.9}{6.6}$			2.99	9.89		$\overset{3}{12.4}$		-2.21	10.09
16	$\overset{6.9}{6.6}$			2.99	9.89		12.3		-2.21	10.09
17	$\overset{7.9}{7.6}$			2.68	10.58		13.1		-2.32	10.78
18	$\overset{8.0}{7.7}$			2.64	10.64		12.5 7		-2.27	10.43
19	$\overset{8.3}{8.0}$			2.57	10.87		13.5		-2.38	11.12
20	$\overset{8.8}{8.5}$	8.5	8.65 21	2.44	11.09		13.6		-2.38	11.22
21	$\overset{8.8}{8.5}$	8.1	8.75 01	2.41	11.16		13.8	13.7 $\overset{.01}{13.75}$	-2.39	$\underline{11.36}$
22	$\overset{9.0}{8.1}$	9.1	9.05 01	2.32	11.37		13.7	13.6 $\overset{.10}{13.65}$	-2.38	11.27
23	$\overset{9.0}{8.1}$	9.0	9.00 00	2.33	11.33		def.		.	.
24		9.4		2.20	11.60					
24a		9.1		2.13	11.83			bh. P.C.		
25		10.3		1.95	12.25					

P.C. of no. 18 better than that of 17.

Saturday February 6, 1915

Scale α – R

Series 434 – Copied

MC 7618 B2 cont.

Alt. + .22

	sc2			Correc	Magn
26	10.5			1.91	12.41
27	10.8			1.82	12.62
28	11.1			1.75	12.85
29	11.5			1.67	13.17
30	12.2			1.58	13.78
31	12.7	12.9	12.80 .11	1.56	14.36
31a	13.3	13.2	13.25 .10	1.58	14.83
32	13.7	13.6	13.65 .10	1.68	15.33
33	13.7	13.6	13.65 .10	1.68	15.33
34	def.	def.	.	.	.
35	F.	F.	.	.	F

Ch. F. C.

Saturday February 6, 1915.

Scale H R — Series 434 — Copied. Card

		MC 1618		B2		cont			
		g		h	(Act. + .212)	Diffr. Images			
		sc.1	sc.2	sc.1	sc.2		Curve	Magn	
poor	1	8.1 7.8?	8.1		8.2	813 001	-098	7.15	
	2	86 83	8.6		8.6	860 000	-109	751	
	3	86 83	8.5	88 85	86	862 0120	-109	753	
	4		9.3		9.2	925 10	-128	797	
	5		9.4		9.5	945 01	-132	813	
	6		9.6		9.9	975 21	-142	833	
	7		9.4		9.4	940 00	-131	809	
	8		10.4		10.3	1035 01	-160	875	
	9		10.5		10.4	1045 10	-212	833	
	10		10.6		11.1	1085 23	-176	909	
	11		11.3		10.8	1105 32	-181	924	
	12		11.3		11.2	1125 10	-186	939	
	13		11.1		11.1	1110 00	-183	927	
	14		11.5		11.3	1140 11	-189	951	
	15		11.8		11.9	1185 01	-199	986	
	16		11.7		12.1	1190 22	-200	990	
	17		12.5		12.7	1260 11	-211	1049	
	18		12.6		12.6	1260 00	-211	1049	
	19		13.8^{0}		13.2	1310 11	-214	1096	
	20		13.1		13.2	1315 10	-214	1101	
	21		13.4		13.4	1340 00	-214	1126	ch. f. c.
	~~21a~~								
	22		13.8^{6}		13.7	1365 01	-211	1154	
	23		13.7		13.6	1365 10	-211	1154	
	24		13.9		13.8	1375 10	-208	1167	
	24a		13.9		13.9	1390 00	-204	1186	
	25		f.		y				

Saturday February 6, 1915.

Scale & R — Series 434. — Copied. — Card

MC 7619 — Carte — 4 0 +17.5

Alt +17 — Diffr. — O.C.

				Curve	Magn	g	h			Curve	Magn	oc.?	Curve	Magn
1	5.5 5.2			3.38	8.88	10.2	10.1	10.15	.01	-1.53	8.62	10.4	-1.82	8.58
2	6.8 6.5			3.01	9.81	11.6	11.7	11.65	.01	-1.94	9.71	12.3	-2.21	10.09
3	6.6 6.3			3.07	9.67	11.6	11.5	11.55	.01	-1.92	9.63	12.2	-2.20	10.00
4	7.3 7.0			2.86	10.16	11.8	11.9	11.85	.01	-1.99	9.86	12.4	-2.23	10.17
5	7.7 7.4			2.73	10.43	12.5	12.5	12.50	.00	-2.09	10.41	12.8	-2.29	10.51
6	7.9 7.6			2.68	10.58	12.8	12.6	12.70	.11	-2.12	10.58	13.4	-2.37	11.03
7	8.0 7.7	8.1	.01 8.05	2.63	10.68	12.7	12.7	12.70	.00	-2.12	10.58	13.6	-2.38	11.22
8	8.8 8.5	8.7	.01 8.75	2.41	11.16	13.4	13.4	13.40	.00	-2.14	11.26	13.8	-2.40	11.40
9	7 ~~9.5~~	9.5		2.19	11.69	14.0	14.0?	14.00?	.00	2.00	12.00	14.0 ?	-2.41	11.5$\overset{9}{1}$?
10		10.4		1.92	12.32	7								
11		10.4		1.92	12.32									
12		10.7		1.86	12.56									
13		11.1		1.75	12.85									
14		11.6		1.64	13.24									
15		11.9		1.61	13.51									
16		12.5	12.5 12.50 .00	1.57	14.07									
17		12.5	12.5 12.50 .00	1.57	14.07									
18		12.5	12.8 12.65 .12	1.56	14.21									
19		13.4	13.1 13.25 .21	1.59	14.84									
20		13.4	13.4 13.40 .00	1.61	15.01									

Ch. F. C.

Saturday February 6, 1915.

Scale R

Series 434 - Copied. Card

	MC 7620		Carte				5 +10.5				
			alt. +.14				B.C.				
	sc.1	sc.2			Curve	Magn	sc.1	sc.2		Curve	Magn
1	B.						9.1 8.8	9.2	9.15 10	-1.59	7.56
2	B.							10.5		-1.83	8.67
3	5.6 5.3				3.3~~3~~5	8.9~~3~~5		10.7		-1.88	8.82
4	6.7 5.9				3.1~~2~~9	9.3~~2~~9		11.8		-2.12	9.68
5	6.9 6.6				2.99	9.89		12.5		-2.23	10.27
6	7.2 6.9	7.1		7.15 01	~~3.10~~ 2.91	10.2~~5~~6		t.p.			
7	8.3 8.0	8.1		8.20 11	2.59	10.79		13.4		-2.37	11.03
8	8.9 8.6	8.9		8.90 00	2.37	11.27		f.			
9		9.4			2.20	11.60					
10		9.7			2.12	11.82					
11		10.6			1.89	12.49					
12		10.7			1.86	12.56					
13		11.2			1.72	12.92					
14		11.4			1.69	13.09					
15		11.7			1.63	13.33					
16		11.9	11.8	11.85 10	1.61	13.46					
17		12.5	12.5	12.50 00	1.57	14.07					
18		12.9	12.9	12.90 00	1.56	14.46					
19		13.4	13.4	13.40 00	1.61	15.01					
20		13.9	13.7	13.80 11	1.77	15.57					

Ch. F.C.

See also next page.

Saturday February 6, 1915.

Scale R

Series 434. Copied.

MC 7620 cont Curl? Aet. + .14

	g	h Diffr. Im.				
	sc.1 sc.2	sc.1 sc.2			Curve	Magn
1	9.1	8.8	8.95	1 2	-1.19	7.76
2	10.21	10.1	10.15	0 1	-1.54	8.61
3	10.4	10.5	10.45	0 1	-1.62	8.83
4	11.3	11.5	11.40	1 1	-1.89	9.51
5	11.6	11.9	11.75	2 1	-1.98	9.77
6	12.2	12.4	12.30	1 1	-2.07	10.23
7	13.4	13.4	13.40	0 0	-2.15	11.25
8	13.5	13.9	13.70	2 2	-2.09	11.61
9	f.	f.				
10						
11						

Ch. F. C.

Saturday February 6, 1916.

Scale R

Series 434.

	Mc 7621	Pole.	Mean	Diff.	Pc.	Diff.	g	h	Mean	Diff.
					sc.1		sc.1			
5					79 7.6	– 1.41	78 7.5	7.4	7.60 22	– 1.11
6					87 8.4	– 1.59	81 7.8	7.7	7.90 22	– 0.79
					sc.2		sc.2	sc.2		
8					9.7	– 1.47	9.5	9.5	9.50 00	– 1.27
9					10.7	– 1.87	10.5	10.4	10.45 10	– 1.62
10	57 5.4			3.32	10.9	– 1.88	10.8	10.8	10.80 00	– 1.78
11	65 6.2			3.05	11.7	– 2.15	11.4	11.6	11.50 11	– 1.95
12	68 6.5			3.06	11.8	– 1.94	11.7	11.8	11.75 10	– 1.89
13	77 7.4	7.4	7.55 12	2.75	12.6	– 2.30	12.4	12.5	12.45 01	– 2.15
14	80 7.7	8.0	8.00 00	2.65	Badly Scratched.		12.5	12.6	12.55 10	– 1.90
15	87 8.4	8.6	8.65 10	2.43	t.p.		13.3	13.4	13.35 10	– 2.27
16	90 8.7	9.0	9.00 00	2.40	13.8	2.40 – ~~1.40~~	13.4	13.6	13.50 11	– 2.10
17		9.3		2.33			13.6?	13.9	? 13.75 21	– 2.12
18		10.1		1.96			from 14.0?	14.0?	14.00 00	– 1.94
19		10.6		1.82						
20		10.7		2.03						
23		11.7		1.64						
25		12.3		1.57						
26		12.8	12.8 12.80 00	1.53						
27		13.3	13.3 13.30 00	1.39						
28		13.4	13.6 13.50 11	1.61						
29		13.8	13.8 13.80 00	1.86						
30		14.0	14.0 14.00 00	2.04						
31		f.	f.							

Ch. F. C.

Centre of plate is scratched!

12:34.

Monday February 8, 1915.

Scale R

Series 434

10:22 MC 7621 Pole.

	sc.1	sc.2	sc.2		MC 7626 p130	Mean		Diff
5								70
6								
8								
9								
10	5.6 5.3				5.7	565	0 1	3.37
11	6.5 6.2				6.6	6.55	1 0	3.00
12	6.7 6.4				6.9	6.80	1 1	3.06
13	7.7 7.4				7.7	7.70	0 0	2.60
14	7.9 7.6	7.9		7.90 0 0	7.85	7.88	02 03	2.77
15	8.7 8.4	8.5		8.60 1 1	8.60	8.60	00 00	2.48
16	8.9 8.6	8.8		8.85 1 0	8.80	8.88	03 02	2.58
17		9.2			9.05	9.12	08 07	2.51
18		9.9			9.9	9.90	0 0	2.16
19		10.5			10.5	10.50	0 0	1.92
20		10.8			10.7	10.75	0 1	1.98
23		11.6			11.6	11.60	0 0	1.74
25		12.2			12.30	12.25	05 05	1.62
not comp. 26			12.8		12.75	12.78	02 03	1.55
27		13.1	13.3	13.20 1 1	13.05	13.12	08 07	1.57
28		13.5	13.4	13.45 1 0	13.40	13.42	03 02	1.69
29		13.8	13.7	13.75 0 1	13.75	13.75	00 00	1.91
30		14.0	14.0	14.00 0 0	F	14.00	2 .	2.04
31		f.						

P.C.

	sc.1	sc.2		MC 7626 p130	Mean		Diff.
5	7.8 7.5			7.8	7.80 ~~7.65~~	0 0 ~~1 2~~	-1.31 ~~-1.16~~
6	8.8 8.5	8.5	~~8.65~~ 2 1 ~~00~~	8.60	8.62	03 02	-1.51
8		9.7		10.2	9.95	3 2	-1.72
9		10.1		10.7	10.70	0 0	-1.87
10		10.1		11.1	10.90	2 2	-1.88
11		11.7		11.8	11.75	1 0	-2.20
12		12.2		12.1	12.15	0 1	-2.29
13		12.6		12.6	12.60	0 0	-2.30
14		sou.		12.8	12.80	. 2	-2.15
15		13.5		tp	13.50	2 .	-2.42
16		13.7		13.5	13.60	1 1	-2.20
17		14.0		tp	14.00	2 .	-2.37
18		f.					

Ch. F. C.

Monday February 8, 1915.

Scale R

Series 434.

Mc 7621 Pole ~~cont~~

	g		h		mc 7626		p130	Mean			Diff
	PC.1	PC.2	PC.1	PC.2							
5	76 7.3	B	76 7.3		7.60	0 0	7.15	7.38	22	23	−0.89
6	82 7.7	7.8	85 8.2	8.3	8.20 0 4 3 1 ~~8.35 2 1~~		0 8.25	2 8.30	0 05	0 05	0 −1.19
8		9.1	9.4		9.70	0 0	9.27	9.48	22	21	−1.25
9		10.4	10.4 ~~9.4~~		10.40	0 0	9.85	10.12	28	27	−1.29
10		10.8	10.8		10.80	0 0	10.60	10.70	10	10	−1.68
11		11.3	11.5		11.40	1 1	11.10	11.25	15	15	−1.70
12		11.8	11.8		11.80	0 0	11.70	11.75	05	05	−1.89
13		12.3	12.5		12.40	1 1	12.40	12.40	00	00	−2.10
14		12.9	12.7		12.80	1 1	? 12.60	? 12.70	10	10	−2.05
15		13.1	13.4		13.25	1 2	12.85	13.05	20	20	−1.97
16		13.4	13.5		13.45	0 1	13.40	13.42	03	02	−2.02
17		13.6	13.8		13.70	1 1	13.70	13.70	00	00	−2.07
18		13.8	14.0		13.90	1 1	.	13.90	a	.	−1.84
19		f.			.		.	.			.
20		m.s.			.		.	.			.

Ch. F.C.

Monday February 8, 1915.

Scale R

Series 434. Copied. Card

Mc 76221 Carte 6 + 46.5

Alt. + .221

g ~~sc.1~~ sc.2 h ↓ Q.C.

	sc.1	sc.2			Curve	Magn	sc.1	~~Q.C.~~ sc.2	sc.2		Curve	Magn	sc.1 sc.2	Curve	Magn
1	Q.						t.p. ~~7.6~~		too long.				7.9 7.6	-1.30	6.60
2	4.5 4.2							9.4	9.4	9.40 00	-1.30	8.10	9.6	-1.70	7.90
3	5.6 5.3				3.32	8.92		10.6	10.5	10.55 01	-1.59	8.96	10.8	-1.99	8.81
4	5.8 5.5				3.28	9.08		10.8	10.8	10.80 00	-1.66	9.14	11.2	-2.07	9.13
5	6.9 6.6				2.99	9.89		11.9	12.3	12.10 22	-1.96	10.14	12.6	-2.31	10.29
6	6.8 6.5				3.01	9.81		11.8	11.9	11.85 01	-1.89	9.96	12.3	-2.27	10.03
7	7.8 7.5	7.3		7.55 2 3	2.82	10.37	partly	sup? ~~12.1~~	12.4	12.40 .2	-2.00	10.40	13.2	-2.34	10.86
8	8.4 8.1	8 7.3		8.35 0 1	2.60	10.95		12.8	13.0	12.90 21	-2.02	10.88	13.5	-2.33	11.17
9	8.7 8.4	8.5		8.60 1 1	2.53	11.13		13.2	13.5	13.35 21	-2.00	11.35	13.7	-2.32	11.38
10		9.6			2.26	11.86		f.		.	.	.	f.	.	.
11		9.9 8			2.20	12.00									
12		10.6			1.94	12.54									
13		10.6			1.94	12.54									
14		10.9			1.86	12.76									
15		11.4			1.76	13.16									
16		11.5	11.6	1.0 11.55	1.73	13.28									
17		12.3	12.3	0 0 12.30	1.61	13.91									
18		12.7	12.8	1.0 12.75	1.60	14.35									
19		13.3	13.3	0 0 13.30	1.68	14.98									
20		14.0	13.9	0 1 13.95	2.00	15.95									

Ch. F. C.

Monday, February 8, 1915.

Scale R   Series 434.   Copied.   Card

Mc 7621 z^4 Arte   7   -7.5°

Alt. + .01

		sc.1	sc.2	sc.2		Curve	Magn	P.C. sc.1	sc.2		Curve	Magn.
	1	B.						7.9 7.6	B.		-1.30	6.60
	2	3.4 3.1						8.7 8.4	8.6	8.65 10	-1.49	7.16
	3	3.6 3.3						8.9 8.6	9.0	8.95 10	-1.55	7.40
not comp. with sc.	4	5.6 5.3				3.32	8.92		10.6		-1.8~~6~~3	8.7~~4~~7
	5	5.9 5.6				3.26	9.16		11.5		-2.13	9.37
	6	6.9 6.6	B.			2.99	9.89		sup.			
	7	7.7 7.4	7.4	7.55	12	2.82	10.37		12.6		-2.31	10.29
	8	8.6 8.3	8.2	8.40	22	2.59	10.99					
Im. peculiar. def?	9											
	10		10.2			2.08	12.2~~3~~8					
	11		10.3			2.05	12.3~~8~~5					
	12		10.3			2.05	12.3~~8~~5					
	13		11.1			1.82	12.92					
poor	14		11.4?	10.9?	11.15 23	1.80	12.95					
poor	15		11.3?	11.0?	11.15 12	1.80	12.95					
	16		11.7	11.9	11.80 11	1.69	13.49					
	17		12.5	12.5	12.50 00	1.60	14.10					
	18		12.7	12.6	12.65 10	1.60	14.25					
	19		13.3	13.4 ~~12.6~~ wc	13.35 10	1.70	15.05					
	20		13.6	13.7	13.65 01	1.82	15.47					

Ch. F. C.

See also next page.

Images are poor, especially ft. stars.

Monday February 8. 1915.

Scale R.

Series 434 - Copied.

Mc 7624 | Cont. | Carte.

Diffr. Images. Alt +.01

	g sc.1	g sc.2	h sc.1	h sc.2	Diffr. Images	Curve.	Magn
1	7.9 7.6		7.8 7.5		7.85 1 0	-1.00	6.85
2	8.1 7.8	7.9	8.4 8.1	8.4	8.20 1 3 2 2	-1.07	7.13
3	8.8 8.5	8.4	8.8 8.5	8.9	8.72 1 3 1 2	-1.17	7.55
4		10.6 10.6	$1\overset{0}{4}.4$		10.53 1 1	-1.58	8.95
5		10.5 10.7	11.1		10.77 3 1 3	-1.64	9.13
6		12.2	12.4		12.30 1 1	-1.98	10.32
7		12.3	12.4		12.35 1 0	-1.99	10.36
8		13.3	13.4		13.35 1 0	-2.00	11.35
9		13.7	13.8		13.75 1 0	-1.95	11.80
10		14.0	f.		14.00 a	-1.91	12.09
11		f.	n.s.				
12							
13							
14							

Ch. F. C.

Monday February 8, 1915

Scale R. Series 434-

	Mc 7625			Carte	7h - 16.5 P.C.		
	sc.1	sc.2	sc.2		sc.1	sc.2	
1	B.				8.6		
2							
3							
4	6.3?					~~11.6~~?	
5							
6	6.5						
7	7.8					$\boxed{139}$	
8							
9							
10							
11							
12							
13							
14							quality changed to B.
15							
16							plate is poor.
17							
18							
19							
20							

Images on this plate are very poor. Comparison with scale is difficult.

See also next page.

Monday February 8, 1915.

Scale R.

Series 434-

	~~Scale~~ Mc			7626	Pole.			Diff.	
					P.C.			g	h
	sc.1	sc.2	sc.2		sc.1	sc.2		sc.1 sc.2	sc.1 sc.2
5					7.8 7.5				
6					8.7 8.4	8.5	86011		
8						10.2			
9						10.7			
10	5.7 5.4					11.1			
11	6.6 6.3					11.8			
12	6.9 6.6					12.1			
13	7.7 7.4					12.6			
14	8.0 7.7	7.7	78521			12.8			
15	8.6 8.3	8.6	86000			t.p.			
16	8.8 8.5	8.8	88000			13.5			
17	9.0 8.7	9.1	90501			t.p.			
18		9.9							
19		10.5							
20		10.7							
23		11.6							
25		12.3 12.3	123000						
26		12.6 12.9	127521						
27		13.0 13.1	130501						
28		13.4 13.4	134000						
29		13.7 13.8	137510						
30		f. f.							
31		m.s. m.s.							

Ch. F. C.

Monday February 8, 1915

Scale R. Series 434 -

	Mc 7626		cont			Pole -
	g		h			Diffr. Im.
	sc.1	sc.2	sc1	sc2		
5	7.1 6.8		7.2 6.9		7.15 1 0	
6	8.1 7.8	8.1	8.4 8.1		8.2~~8~~0 1 1 2	
8	9.1 8.8	9.2		9.5	9.27 2 1 2	
9		10.1		9.6	9.85 3 2	
10		10.6		10.6	10.60 0 0	
11		11.1		11.1 ~~11.6~~ w.s.	11.10 0 0	
12		t.f.		11.7	11.70 · a	
13		t.f.		12.4	12.40 . a	
14		12.5?		12.7	? 12.60 1 1	
15		12.8		12.9	12.85 0 1	
16		13.4		13.4	13.40 0 0	
17		13.7		13.7	13.70 0 0	
18		f.		f.	,	
19		m.s.			.	

Ch. F.C.

12:15

Monday February 15, 1915.

Scale S.R | Series 294. YELLOW | Copied Card.

10:05 | *MC 5949 | D9 | 17 – 15

P.C. | alt. -11

	sc.1	sc.2			Curve	Magn	sc.2	sc.2 A		Curve	Magn
1	t.f.				.	.	12.2	12.3	12.25 01	-5.19	7.06
2	6.6? 6.3?				1.12	7.72?	.	def.	.	.	.
3	def.				.	.	12.5	12.6	12.55 10	-5.31	7.24
4	def.				.	.	12.4	12.4	12.40 00	-5.2~~7~~5	7.13
6	7.5 7.2				0.65	8.15	.	def?		.	.
6	8.3 8.0				0.22	8.52	13.5	13.5?	13.50? 00	.	.
7	8.6 8.3				0.06	8.66		m.s.		.	.
8	t.f.				.	v		12.5		-5.29	7.21
9	t.f.				.	v		12.4		-5.2~~7~~5	7.13
10		9.4			-0.37	9.03		.		.	.
11		9.9			-0.62	9.28					
12		10.5			-0.90	9.60					
13	8.9 8.6	8.8		8.85 10 ~~8.70 1 1~~	-0.06	8.79					
14		10.5			-0.90	9.60					
15		10.6			-0.95	9.65					
16	def.				.	.					
17	8.8 8.5	8.6		8.70 11	0.01	8.71					
18		def?			.	.					
19		11.5			-1.33	10.17					
20		12.6			-1.78	10.82					
21		12.4			-1.70	10.70			Ch. F.C.		
22		10.7	10.7	10.70 00	-0.99	9.71					
23		12.2	12.1	12.15 01	-1.60	10.55					
24		12.6? n.f.	12.8	12.70 1 1	-1.80	10.90?					
25		12.1	12.0	12.05 10	-1.55	10.50					
26		13.2	12.8	13.00 22	-1.90	11.10					

* Plate is covered with fine holes

Monday February 15, 1915.

Scale R Copied Series 294 YELLOW

MC 5949 29

Remeas. July 12, 17.

		sc.2					
too close to def.	27	.	.	.			
	28	f.	.	..	$2\overset{6}{\cancel{5}}$	12.9	no error in orig. meas. 29 appears slightly brighter than 26.
	29	12.6	−1.78	10.82	29	12.7	
	30	f.	.	.	$2\overset{5}{\cancel{7}}$	12.2	
	31	n.s.	.	.			
	32	n.s.	.	.			

Ch. E.C.

Monday February 15, 1915

Copied

Sect R — Series 4294 - YELLOW — Card

	Mc 5950			Near Sect. Sat. 17 00 00			OC.	alt. +0.02			
	SC.1	SC.2	SC.2		Curve.	Magn	SC.1	SC.2			
1	B.							t.p.			
2	B.						10.4	10.6	10.50 11		
3	62 59				1.33	7.53	12.5	12.4	12.45 10	−5.28	7.17
4	78 7.5				0.49	8.29	13.5	13.5	13.50 00		
5	76 7.3				0.59	8.19	13.7	13.5	13.60 11		
6		9.3			−0.30	9.60		m.s.			
07	89 8.6	8.8		8.85 10	−0.07	.78 8.~~92~~		f.			
08		11.2			−1.21	9.99 ~~12.41~~					
09		11.3			−1.25	10.05 ~~12.55~~					
010		11.1			−1.17	9.93 ~~12.27~~					
011		12.3			−1.67	10.63 ~~13.97~~					
012		12.1			−1.58	10.52 ~~13.68~~					
013		12.9	13.1	13.00 11	−1.91	11.09 ~~14.91~~					
014		13.4	13.5	13.45 01	−2.04	11.41 ~~15.49~~					
015		12.5	12.5	12.50 00	−1.73	10.77 ~~14.23~~					
016		13.4	13.3	13.35 01	−2.02	11.83 ~~15.37~~					
017		14.0	14.0	14.00 00							
018		m.s.									
019		f.									
020		f.									

ch. F.C.

Monday February 15, 1915.

Scale R Series 294- YELLOW Copied Card

Mc 5951 C9 17 + 15°

Qual. "B" Overlooked qual. of plate when measuring. P.C. alt. +0.9

	sc.1	sc.2	sc.2			Curve	Magn	sc.1	sc.2	sc.2			Curve	Magn	
1	t.fo.					.		12.3	12.2	12.25	10	-5.19	7.06	
2	B.					.		11.5	11.5	11.50	00	-4.91	6.59	
3	B.					.		11.4	11.4	11.40	00	-4.88	6.52	
3 a	B.					.		11.8	11.7	11.75	01	-5.01	6.74	
4	5.9 5.6					1.46	7.36	12.2	12.2	12.20	00	-5.18	7.02	
5	7.4 7.1					0.70	8.10	13.6				.	.	
6	6.7 6.4					1.09	7.79	13.1				-5.49	7.61	
6a	6.8 6.5					1.02	7.82	13.1				-5.49	7.61	
7	6.5 6.2					1.19	7.69	12.9				-5.35	7.35	
8	7.9 7.6					0.45	8.35	14.0?				.		
8a		9.2				25 -0.~~77~~	8.95	m.s.				.		0
9		10.5				-0.90	9.60							0
10		11.4				-1.30	10.10							0
11		9.2				-0.25	8.95							0
12		10.2				-0.77	9.43							0
13		10.1				-0.99	9.71							0
14		11.9? from				-1.50? ~~-1.41~~	0 10.49 ?q							0
15		11.1				-1.17	9.93							0
16		13.1	13.1	13.10	00	-1.94 ~~-1.55~~	16 11.52							0
17		13.5	13.4	13.45	10	-2.05 ~~-1.71~~	.40 11.74							0
18		13.9	13.7	13.80	11	-2.16 ~~-1.84~~	.64 ~~11.96~~	Ch. F.C.						
19		13.5?	t.fo			-2.08	11.42?							
20		13.8	13.8	13.80	00	-2.18 6	4 11.62							
21		m.s.	m.s.	.		.	.							
22		m.s.		.		.	.							
23		m.s.		;		.	.							
24		m.s.												

Monday February 15, 1915.

Scale R

Series 294 - YE[illegible]V Copied Card

Mc 5952			B7				17 20+45					
							P.C.				alt +12	
	sc.1	sc.2			Curve	Magn	sc.2	sc.2			Curve	Magn
1	B.				.		11.5	11.5	11.50	0 0	-4.91	6.59
2	t.f.				.		12.6	12.6	12.60	0 0	-5.32	7.28
3	B.				.		10.2	9.9	10.05	2 1	.	.
4	B.				.		12.3	12.4	12.35	1 0	-5.22	7.13
5	B.				.		11.7	11.9	11.80	1 1	-5.04	6.76
6	t.f.				.		12.7				-5.35	7.35
7	6.8 6.5				1.02	7.82	13.4				.	.
8	4.3 4.0				2.34	6.64	11.7				-5.00	6.70
9	5.9 5.6				1.48	7.38	12.4				-5.26	7.14
10	7.8 7.5				0.49	8.29	13.5				.	.
11	7.8 7.5				0.49	8.29	f.				.	.
12	6.6 6.3				1.12	7.72	13.5				.	.
13	6.9 6.6				0.98	7.88	13.8				.	.
14	8.9 8.6	9.1	9.00	1 1	.15 -0.86	8.85 ~~9.15~~	m.s.				.	.
15	8.8 8.5	8.5	8.65	2 1	.005	60 ~~8.70~~						
16		10.2			-0.78	9.42 ~~10.98~~						
17		11.2			-1.21	9.99 ~~12.41~~						
18		11.1			-1.18	9.92 ~~12.28~~						
19		10.3			-0.80	9.50 ~~11.10~~						
20		10.6			-0.96	9.64 ~~11.56~~						
21		11.7			-1.41	10.29 ~~13.11~~	Ch. F.C.					
22		11.5			-1.33	10.17 ~~12.83~~						
23		12.1	12.2	12.15 1 0	-1.60	10.55 ~~13.75~~						
24		13.1	13.1	13.10 0 0	-1.93	11.17 ~~15.03~~						
25		12.4	12.5	12.45 0 1	-1.70	10.75 ~~14.15~~						
26		13.9 ? poor	13.8	12.85 1 0	-2.18	11.67 ~~16.03~~						
27		m.s.	m.s.									
28		4	1									

Monday February 15, 1915.

Scale R. Series 294 YELLOW

	Mc 5953			Pole								
	sc.1	sc.2	sc.2			Diff.	Cu.	Magn	sc.2	Diff	Cu.	Magn
5	$\overset{3.3}{3.0}$					3.13	2.83	6.13	11.2	-4.77	-4.79	6.41
6	$\overset{5.3}{5.0}$					1.68	1.79	7.09	12.4	-5.42	-5.25	7.15
8	$\overset{7.1}{6.8}$					0.93	0.87	7.97	13.2	-5.17	-5.51	7.69
9	$\overset{8.9}{8.6}$	8.7		8.80	11	-0.06	$-0.\overset{0}{\cancel{7}}5$	8.75	f.	,	,	,
10	$\overset{8.9}{8.6}$	9.1		9.00	11	-0.12	-0.14	8.86				
11		10.4				-1.04	-0.86	9.54				
12		10.4				$-0.\overset{82}{\cancel{87}}$	-0.86	9.54				
13		11.5				-1.42	-1.34	10.16				
14		11.7	11.7	11.70	00	-1.46	-1.42	10.28				
15		12.4	12.3	12.35	01	-1.71	-1.68	10.67				
16		12.5	12.7	12.60	11	-1.66	-1.77	10.83				
17		$\overset{12.8}{\cancel{13.6}}$	13.0	12.90	11	-1.86	-1.86	11.04				
18		13.6	13.8	13.70	11	-2.14	-2.13	11.57				
19		f.		.								
20		m.s.		.								
21		m.s.		.								
22		m.s.		.								
23		m.s.		.								

		sc.1	sc.2	Cu.	Magn.			
+87	15	$\overset{7.4}{7.1}$		0.69	8.09	13.5	.	Ch. F.C.
+88	80	$\overset{8.9}{8.\cancel{5}6}$		-0.08	8.82	f	.	
	86	$\overset{8.8}{8.5}$		-0.05	8.75	f.	.	
	115		9.3	-0.30	9.00			

Monday February 15, 1915

Scale R.

Series 294 YELLOW

MC 5953 Pole cont.

	sc.1	sc.2		Curve	Magn	Qc. sc.1 sc.2	Curve	Magn
2r	3.8 3.5			2.59	6.39	11.3	-4.82	6.48
3r	6.4 6.1			1.22	7.62	12.1	-5.35	7.35
4r	7.4 7.1			0.69	8.09	13.6		
5r	8.0 7.7	7.9	7.95 0	0.41 ~~0.59~~	8.36 ~~8.54~~	14.0		
6r		9.6		-0.49	9.11 ~~10.09~~			
7r		10.5		-0.90	9.60 ~~11.40~~			
8r		11.6		-1.39	10.21 ~~12.99~~			
9r		12.1		-1.58	10.52 13.68			
10r		13.8		-2.16	11.64 ~~15.96~~			
11r		13.6		9 -2.0~~4~~	11.51 15.64			
12r		F.		.	.			
+87 12	6.9 6.6.			0.99 ~~1.01~~	7.89 ~~7.91~~	13.1	-5.49	7.61
+88 9.0	8.9 8.6			-0.10	8.80	m.s.		
10.5	7.5 7.2			0.65	8.15	13.8		
2	7.5 7.2			0.65	8.15	13.6		
4r		10.7		-0.99	9.71			
5r		10.6		-0.95	9.65			
6r		11.8		-1.48	10.32			
7r		14.0				Ch.F.C.		
8r		F.		.	.			
9r		m.s		.	.			
10r		m.s.		.	.			
11r		m.s		.	.			

12 10

Friday. February 19, 1915.

Examination of Discordant measures in K Regions

34K 34K. Sequence from 12-15 was changed on Feb. 21, 1914, and all three plates were measured before that date. No plate yet measured with new sequence. ~~Mss~~ ∴ Reason for discordance.

59K. MC 5229 Ld 48.30.

Star no. 16. Accidental error in measuring? Image is elongated and does not compare well with scale. I measured this star as 8.1 but on acc't of elongation of image, can see how it could be measured 7.7.

Star no. 18. wrong star marked, selected new 18 on this plate, but 18 had already been selected on MC 5339. 18 rejected

61K. MC 3145 MX 3:125

Star no. 15. Wrong star measured. Probably brighter star north of 15 measured. Reject.

63K SMC

Star no. 13. Looked up on MC 3575, 5764, 5881. Discordant on MC 5881. Can find no reason for discordance. Plates examined with scale and found previous scale measures correct. There seems to a large difference between 12 and 13 on MC 5881, but with the scale, ~~there there does not seem~~ the difference does not appear large. No error in reduction, and do not think it is variable.

Saturday February 20, 1915.

Series R   Series 268

10:00   Mc 5665   Pole

YELLOW

P.C.

Cu.	Magn		sc.1	sc.2	sc.2		MC 5670 p146	Mean	Diff	sc.2	sc.2		MC 5670	Mean			Cm.
10 4.08	5 6.4~~8~~	5	24 21.1				2.3	01 2.35	4.08	11.4	11.4	11.40 00	10.75	11.08	32 33	-4.65	-4.64
303 ~~2.95~~	698 ~~7.85~~	6	41 3.8				3.8	12 3.95	3.03	11.8	11.8	11.80 00	11.70	11.75	05 05	-4.77	-4.82
143 ~~1.32~~	08 8.~~22~~	8	69 6.6				6.4	32 6.65	1.38	13.4	13.4	13.40 00	13.00	13.20	20 20	~~-5.77~~ ~~-5.17~~	-5.17
71 0.5~~8~~	76 8.8~~8~~	9	85 8.2	8.1		8.30 22	7.80	25 25 8.05	0.69	f?	f.	F					
61 0.5~~2~~	86 8.~~82~~	10	85 8.2	8.3		8.40 11	8.10	15 15 8.25	0.63	f.?	f.						
08 0.~~12~~	3 9.4~~2~~	11		9.3			9.4	10 9.35	0.01								
-0.05	9.55	12		9.6			9.6	00 9.60	-0.02								
49 -0.5~~2~~	6 10.0~~8~~	13		10.6			10.5	01 10.55	-0.47								
78 -0.8~~8~~	37 10.~~42~~	14		11.2			11.1	01 11.15	-0.91								
8 -0.9~~2~~	62 10.5~~8~~	15		11.5			11.7	11 11.60	-0.96								
-1.24	11.01	16		12.2	12.3	12.25 01	12.25	00 00 12.25	-1.31								
6 -1.2~~4~~	11.07	17		12.2	12.3	12.25 01	12.30	03 02 12.28	-1.24								
-1.65	11.70	18		13.3	13.4	13.35 10	13.40	03 02 13.38	-1.82								
0 -1.7~~2~~	5 11.8~~8~~	19		13.6	13.6	13.60 00	13.50	05 05 13.55	-1.61								
-1.81	12.19?	20		14.0	14.0	14.00 00	? 14.00	? 14.00	-1.81								
		21		f.	f.												
		22		f.	f.												
		23		m.s.	m.s.												

Cu.	Magn				~~Cu.~~	~~Magn~~			Mean	
1.24	8.19	+87	15	7.4 87.1	~~1.03~~	~~8.43~~	66	6.5	6.95	ft.
0.31	9.11	+88	80	89 8.6				8.7	8.80	
0.48	9.03 poor	+88	86	8.5 8.2?				8.6	8.55	
0.38	9.08	+88	115	8.6 8.5				8.6	8.70	

Saturday February 20, 1915.

Series Q

Series 268. YELLOW

Mc 5665. Pole

P.C.

Magn.		sc 1	sc 2	sc 2	Mc 5670 p.147			Curve	Magn	sc 2	Mc 5670			
6.44	2r	B.			2.3			4.15	6.45	10.6	10.6	0 0 10.60.	.	.
6.93	3r	57 5.4			5.8	5.75	1 0	1.92	7.67	12.3	12.6	1 2 12.45.	9 -4.97	6 7.48
8.03	4r	66 6.3			6.6	6.60	0 0	1.46	8.06	13.3	13.5	1 1 13.40	-5.19	8.21ε
.	5r	75 7.2			7.7	7.60	1 1	0.94	8.54	13.7? poor F			.	F
	6r	89 8.6	8.5	8.70 2 2	8.55	8.62	1 0	0.41	9.03					
	7r		9.6		9.7	9.65	0 1	-0.07	58 9.72					
	8r		10.6		10.8	10.70	1 1	-0.58	10.12 ~~10.28~~					
	9r		11.6		11.7	11.65	0 1	-0.99	10.66 ~~12.64~~					
	10r		13.3		13.5	13.40	1 1	-1.66	11.74 ~~15.06~~					
	11r		13.4		13.5	13.45	0 1	-1.67	11.78 ~~15.12~~					
	12r		13.7		t.p.	13.70	a.	-1.74	11.96					
	4a		9.7		9.7	9.70	0 0	-0.10	9.60					
	5a		10.4		9.85	28 27 10.12		-0.27	9.85					
	6a		11.3		11.2	11.25	1 0	-0.81	10.44					
	7a		13.2?		13.4	? 13.30	1 1	-1.62	11.68?					
	8a		m.s.		F	.		.						
	9a		m.s.		.	.		.						
	10a		m.s.		.			.						
+88	2 ~~+2~~	6.7 6.4			6.7	6.70	0 0	1.41	8.11	13.3	13.4	1 0 13.35	-5.18	8.17ε
+87	12	6.5 2 6.8			6.3	6.40	1 1	7 1.55	7 7.95	13.3	12.9	2 2 13.10	5 -5.14	5 7.96
+88	90	8.5 8.2			8.1	8.30	2 2	0.59	8.89		.	.	.	.
+88	105	72 6.9			6.9	7.05	2 1	1.22	8.27		13.4		5.19	8.21ε

Ch. F. C.

Saturday February 20, 1915.
copied

Scale R

Series 268 YELLOW Copied Card.

MC 5666 | Rich Scut Sob. 18 45 − 8.0

Alt −.02 Bc.

	sc.1	sc.2	sc.2		Curve.	Mag.	sc.1	sc.2			
1	B.						·89 86	86	8.75 1 2		
2	4.4 4.1				2.76	7.16	11.5			−4.73	6.77
2a	5.2 4.1				2.28	7.48	12.2			−4.9~~7~~ 3	7.2~~7~~ 7
3	6.8 6.5				1.34	8.14					
4	7.4 7.1				1.04	8.44					
5	8.3 8.0	8.2		8.25 1 0	0.62	8.87					
6	9.0 8.1	9.2		9.10 1 1	0.20	9.30					
7		9.6			−0.06	5. 9.~~4~~4					
7a		10.3			−0.37	9.93					
7b		10.6			−0.52	10.08					
8	8.1 7.8	~~7.8~~ 7.8		7.95 1 2	+0.78	8.13 ~~7.17~~					
9	8.8 8.5	8.5		8.65 2 1	+0.41	9.06 ~~8.24~~					
10		11.1			−0.74	10.36					
11		11.2			−0.80	10.40					
12		12.1			−1.18	10.92					
13		12.4			−1.30	11.10					
14		12.6			−1.38	11.22					
15		12.3			−1.27	11.03					
poor image 16		13.1 ~~12.8~~ a.s.	4 13.~~5~~	13.25 1 2	−1.60	11.65					
17		13.5	13.1	13.30 2 2	−1.62	11.68					
18		13.3	13.4	13.35 1 0	−1.63	11.72					
19		13.7	13.6	13.65 1 0	−1.73	11.92				Ch. F.C.	
20		13.6	13.4	13.50 1 1	−1.68	11.82					
21		f.	f.								
22.		f.									

Remeasured. Apr. 8. 1915

7b	10.5
8	8.1
9	8.4
10	11.1

Saturday February 20, 1915.

Scale R

Series 268 YELLOW Copied Card

MC 5667 Nova Aq. No. 2 19 0 -5.0

P.C. alt .00

		sc.1	sc.2			Curve.	Magn.	sc.2	sc.2		Curve.	Magn.
	a	39 36				3.09	6.99	11.2	11.2	11.20 0 0	-4.6~~8~~6	6.5~~2~~4
	b	88 85	8.6		8.70 1 1	0.36	9.06	f.	f.			
	c	87 84	8.5		8.60 1 1	0.41	9.01	m.s.	m.s.			
	d	f.	9.2			0.16	9.36					
	e		10.1			-0.28	9.82 ~~10.38~~					
	f		10.2			-0.32	9.88 ~~10.52~~					
	g		9.6			-0.05	9.55					
	h		11.1			-0.75	10.35					
	k		10.9			-0.66	10.24					
	l		10.2			-0.32	9.88					
	m		11.1			-1.02	10.68					
	n		12.4			-1.30	11.10					
	o		13.5	13.4	13.45 1 0	-1.68	11.77					
	p		13.7	13.9	13.80 1 1	-1.79	12.01					
	q		13.5	13.5	13.50 0 0	-1.68	11.82					
	r		13.4	13.4	13.40 0 0	-1.66	11.74					
	s		f.									
	t		m.s.									
ft.	u		13.8?	13.7	13.75 0 1 ?	-1.77	11.98?					
	w		m.s.									
	x		m.s.									

Ch. F. C.

Saturday February 20, 1915

Scale R :

Series 268. YELL W Copied. Card

MC 5668 SS Lyrae 19 2441

P.C.

Alt +12

	sc.1	sc.2	sc.2		Curve	Magn	sc.1	sc.2			
a	7.6 7.3				0.94	8.54	13.5	13.6	13.55 1.0		.
b	7.7 7.4				0.90	8.60	13.5	13.7	13.60 1 1		.
c	7.5 7.2				0.99	8.49	13.4	13.5	13.45 0 1		.
d	9.0 8.7	9.1		9.05 0 1	0.20	9.25		4.			
e	8.7 8.4	8.4		8.55 1 2	0.43	8.98		14.0			
f	8.9 8.6	8.6		8.75 1 2	0.34	9.09		ms.			
g		10.1			−0.28	~~9.38~~ 82					
h		9.3			0.10	9.40					
k		10.6			−0.52	~~10.12~~ 08					
l		9.5			0.01	9.51					
m		11.8			−1.08	10.72					
n		11.9			−1.10	10.80					
o		12.2			−1.22	10.98					
poor image. p		11.9?	11.7	11.80 1 1 2	−1.08	9.72					
q		12.5	12.6	12.55 1 0	−1.37	11.18					
r		13.4	13.4	13.40 0 0	−1.6~~7~~ 5	11.7~~3~~ 5					
s		13.5	13.6	13.55 1 0	~~−1.66~~ 70	11.8~~4~~ 5					
t	.	13.8	13.8	13.80 0 0	−1.78	12.02					
μ	7.9 7.6				0.80	8.70		def?			
α	4.9 4.6				2.46	7.36	12.2	11.7	11.95 2 3	−4.8~~3~~ 7	7.~~12~~ 08
β	5.8 5.5				1.90	7.70	12.6	12.7	12.65 0 1	−5.0~~1~~ 2	7.6~~4~~ 3
γ	6.0 5.7				1.78	7.78	12.8	13.0	12.90 1 1	−5.08	7.82
Var.	9.0 8.7	89.1		9.05	0.20	9.25		ms.			

Ch. F. C.

Saturday February 20, 1915

Scale R — Series 268. YELLOW Copied Card

MC 5669 — B7 — 17 20 +45.0

Oc. alt. +09

		sc.1	sc.2	sc.2	Curve.	Magn.	sc.1	sc.2	sc.2		
	1	3.1 2.8			3.61	6.71	10.8	10.7	10.75 0 1	3 -4.9~~4~~	
	2	t.p.			.	.	12.2	12.2	12.20 0 0		27 7.3~~0~~
	3	B			.	.	9.4	9.3	9.35 0 1	.	.
	4	t.p.			.	.	12.3	12.2	12.25 1 0	4 -4.9~~x~~	1 7.3~~4~~
Edge	5	t.p.			.	.	11.6	11.6	11.60 0 0	-4.77	6.83
	6	t.p.			.	.	13.21			5 -5.1~~7~~	5 8.0~~3~~
	7	6.1 5.8			1.73	7.83	13.3			.	.
	8	3.7 3.4			3.20	6.90	11.3			69 -4.7~~0~~	1 6.6~~0~~
	9	5.4 5.1			2.13	7.53	12.4			8 -4.9~~5~~	2 7.4~~5~~
	10	7.0 6.7			5 1.2~~3~~	5 8.2~~3~~	13.5			.	.
	11	7.2 6.9			1.13	8.33	13.5			.	.
	12	6.5 6.2			1.51	8.01	13.0			-5.11	7.89
	13	6.7 6.4			1.41	8.11	13.4			.	.
	14	8.7 7.9	8.3	8.25 0 1	0.62	8.87	f.			.	.
	15	8.0 7.7	8.0	8.00 0 0	0.74	8.74	f.			.	.
	16		9.6		-0.05	9.55					
	17		10.7		-0.57	3 10.1~~7~~					
	18		10.2		-0.33	9.87					
	19		9.2		0.14	9.34					
	20		10.3		-0.38	9.92					
	21		10.9		-0.66	10.24					
	22		10.8		-0.61	10.19					
	23		11.3	11.2 11.25 1 0	-0.81	10.44					
	24		12.5	12.5 12.50 0 0	-1.34	11.16					
	25		11.6	11.8 ~~12.1~~ 11.70 L i	-1.03	10.67	Ch. F.C.				
	26		13.3	13.3 12.30 0 0	-1.62	11.68					
	27		13.5	13.5 13.50 0 0	-1.68	11.82					
	28			30 m.s.							

Saturday February 20, 1915.

Scale R Series ~~9~~268 YELLOW

	Mc 567.			Pole		P.c		
	sc1	sc2	sc2		Curve	sc2	sc2	
5	2.3 2.0				4.15	10.8	10.7	10.75 01
6	3.8 3.5				3.13	11.7	11.7	11.70 00
8	6.4 6.1				1.57	13.0	13.0	13.00 00
9	7.9 7.6	7.7		7.80 11	0.84	f.		
10	8.1 7.8	8.1		8.10 00	0.69	m.s.		
11		9.4			0.05			
12		9.6			-0.05			
13		10.5			-0.47			
14		11.1			-0.75			
15		11.7			-1.02			
16		12.2	12.3	12.25 01	-1.24			
17		12.2	12.4	12.30 11	-1.27			
18		13.4	13.4	13.40 00	-1.66			
19		13.5	13.5	13.50 00	-1.69			
20		14.0?	14.0?	14.00? 00	-1.84?			
21		f.						
22		m.s.						
23								
24								
+87 15	6.5 6.2					13.2		
+88 80	8.7 8.4							
86	8.6 8.3							
115	8.6 8.3							

Sep 140

Saturday February 20, 1915

Scale R [illegible] Series 268. YELLOW

	MC 5670			Pole		Q.C
	sc.1	sc.2	sc.2		Curve Magn	sc.2 sc.2
2r	2.3 2 8.0				4.15	10.6
3r	5.8 5.5				1.90	12.6
4r	6.6 6.3				1.46	13.5
5r	7.7 7.4				0.89	f
6r	8.7 8.4	8.4		8.55 1 2	0.44	
7r		9.7			-0.10	
8r		10.8			-0.62	
9r		11.7			-1.02	
10r		13.5			-1.69	
11r		13.5			-1.69	
12r		t.p.				
4r		9.7			-0.10	
5r		9.8	9.9	9.85 0 1	-0.14	
6r		11.21			-0.80	
7r		13.4			-1.67	
8r		.f				
9r		m.s.				
+87 12	6.3 6.0					12.9
+88 2	6.7 6.4					13.4
+88 90	8.1 7.8					.
+88 105	6.9 6.6					13.4

See p. 141

Tuesday February 23, 1915.

Scale A

Series 280. YELLOW

10 — MC 5197 Pole

Q.C.

Curve	Magn.		Sc.1	Sc.2	Sc.2		MC 5802 p154	Mean	Diff Sc.2	Sc.2		MC 5802 p154	Mean	Cu.	mo
. .		5	B				3.1	.	333 10.9	11.0	10.95 1 0	11.5	11.22	27 28 -4.79 -4.87	6.3
2.26	7.01	6	45 4.2				5.0	3 2 4.75	223 12.3	12.4	12.35 1 0	12.4	12.38	03 02 -5.40 -5.31	7.0
1.22	8.02	8	6.5 6.2				7.1	3 3 6.80	123 13.4	13.4	13.40 00	.	13.40	ω . -5.37 -5.58	78
0.49	8.74	9	80 7.7	7.8		7.90 11	8.60	35 35 8.25	0.49 f.	f.	,	.	.		
0.27	8.87	10	85 8.2	8.2		8.35 12	8.85	25 25 8.60	0.28	m.s.	.	.	.		
-0.59	9.41	11		9.6			10.4	4 4 10.00	-0.64						
-0.78	9.57	12		10.2			10.5	2 1 10.35	-0.77						
-1.28	10.07	13		11.1			11.6	3 2 11.35	-1.27						
-1.42	10.23	14		11.6	11.6	11.60 00	11.70	05 05 11.65	-1.41						
-1.79	10.63	15		12.4	12.4	12.40 00	12.45	02 03 12.42	-1.78						
-1.97	10.93	16		12.4	12.5	12.45 01	13.35	45 45 12.90	-1.96						
-2.04	11.04	17		12.7	12.7	12.70 00	13.45	38 37 13.08	-2.04						
-2.26	11.52	18		13.7	13.8	13.75 1 0	13.80	03 02 13.78	-2.22						
		19		f.	f.	,	F	.	,						
		20		f		.	F	.	.						
		23		m.s.	.	,	,	,	,						
		25		m.s.		,	,	,	,						
		26													
		27													
		28													
		29													
		30.													
1.31	7.96 +87	15	64 6.1				6.9	2 3 6.65		13.4	-5.58	7.82			
-0.10	9.10 +88	80	90 8.7				9.4	2 2 9.20		f m.s.	,				
0.18	8.93 +88	86	87 8.4				8.8	1 0 8.75		m.s.	,				
0.18	8.93 +88	115	85 8.2				9.0	3 2 8.75							

Ch. F. C.

Tuesday February 23, 1915.

Scale 12

Series 280. YELLOW

MC 5797

Pole

B.C.

Magn		sc.1			mc 5802 pu155	Mean	Cu.	Mag.	sc.1	sc.2			Ci.	Magn
6.35	2r	2.8 2.5			3.6	4 4 3.20	310	6.30	11.1	11.6	11.35	3 2	-4.91	6.44
7.07	3r	5.6 5.3			bp	2 5.60	182	7.42	12.8	13.0	1290	1 i	-5.45	7.45
7.82	4r	6.5 6.2			7.6	5 6 7.05	111	8.06	13.8?	f	? 1380	2 7		
	5r	7.8 7.5			7.90	0 1 7.85	072	8.57	m.s.					
	6r	9.0 8.7	8.8	8.90 i i	9.4	25 3 25 9.15	008	9.07						
	7r		10.0		10.5	2 3 10.25	.71 ~~060~~	9.65						
	8r		11.3		11.7	2 2 11.50	135	10.15						
	9r		12.3		12.4	1 0 12.35	176	10.59						
	10r		13.8 ~~11.7~~ w.s. 13.8	13.80 0 0	f	2 7 13.80	226	11.54						
	11r		13.4 13.6	13.50 1 i	f	2 7 13.50	217	11.33						
	12r		m.s. m.s.		f									
	5a		10.5		10.6	1 0 10.55	090	9.65						
	6a		11.7		10.7	5 5 11.20	120	10.00						
	7a		13.9		12.0	9 10 12.95	199	10.96						
	8a		f		14.0? 2	2 14.00?	231	11.69? 8						
	9a		m s											
	10a		m.s.											
	11a		m s											
+87	12	5.5			6.6	5 6 6.05	161	7.66	12.8	13.5	4 3 13.15		-5.51	7.64
+88	2	6.1			7.1	5 5 6.60	131	7.91	13.4	Sc.			-5.58	7.82
	90	8.4			8.9	2 3 8.65	024	8.89						
	105	6.7			7.7	5 5 7.20	102	8.22	13.1	f				

Ch. F. C.

Tuesday February 23, 1915

Scale R

Series 280 YELLOW Copied Card

MC 5798 M13 163836

P.C. alt -.04

Ref. Seq.

	sc.1	sc.2	sc.2		Curve	Magn	sc.2	sc.2		Magn
1	4.5 4.2				2.41	6.91	12.3	12.3	12.30 00 -5.27	7.03
2	7.6 7.3				0.83	8.43	f.			
3	7.0 6.7				1.12	8.12	m.s.			
4	7.1 6.8				1.08	8.18	f.	f.		
5	7.9 7.6				0.69	8.59				
6	8.5 8.2				0.31	8.81				
7	7.9 7.6	7.6		7.75 12	0.74	8.49	f.	f.		
8	9.2 8.9	9.1		9.15 01	-0.08	07 9.~~23~~				
9		10.2	10.0	10.10 11	-0.64	9.46 ~~10.74~~				
10		11.7	11.8	11.75 10	-1.48	10.27 ~~13.23~~				
11		13.5	13.9	13.70 22	-2.23	11.47 ~~15.93~~				
12		13.4	13.5	13.45 01	-2.14	11.31 ~~15.59~~				
13		f.	m.s.							
14		m.s.								
15		m.s.								
16		m.s.								
17		m.s.								
18										
19										
a		m.s.						Ch. F.C.		
b		"								
c		"								
d		m.s.								
e		m.s.								

Tuesday February 23, 1915.

Scale R. Series 380. **YELLOW** Copied. Card

SMC 5199 Δ9 17 - 15°

P.C. alt -.10

	sc.1	sc.2	sc.2			Curve	Magn	sc.2	sc.2			Cu.	Magn
1	4.6 4.3					2.34	6.94	12.6	12.5	12.55	0 1	-5.36	7.19
2	5.0 4.7					2.12	7.12	12.8	13.1	12.95	2 1	-5.47	7.48
3	5.5 5.2					1.88	7.38	13.4	13.3	13.35	0 1	-5.56	7.79
4	4.7 4.4					2.29	6.99	12.3	12.4	12.35	1 0	-5.29	7.06
5	6.3 6.0					1.48	7.78	13.4	13.5	13.45	0 1	-5.59	7.86
6	7.1 6.8					1.08	8.18	f.					
7	7.9 7.6	7.6		7.75	1 2	0.76	51 8.~~4~~8	m.s.					
8	4.9 4.6					2.18	7.08	12.7				-5.39	7.31
9	5.2 4.9					2.03	7.23	12.7				-5.39	7.31
10	8.8 8.5	8.7		8.75	0 1	0.18	8.93	m.s.					
11	9.2 8.9	8.9		9.05	2 1	-0.02	9.03						
12	.	9.6				-0.36	9.24						
13	7.9 7.6	7.7		7.80	1 1	0.73	8.53						
14		9.9				-0.51	9.39						
15		9.5				-0.30	9.20						
16	.	10.4				-0.81	9.59						
17	7.9 7.6	7.7		7.80	1 1	0.73	8.53						
18		10.5				-0.86	9.64						
19		11.4				-1.30	10.10						
20		12.4				-1.78	10.62						
21		12.2				-1.70	10.50			Ch. F. C.			
22		9.9				-0.51	9.39						
23		11.7	11.8	11.75	1 0	-1.48	10.27						
24		13.2	12.8	13.00	2 2	-2.01	10.99						
25		11.9 ~~13.4~~	11.9	11.90	0 0	-1.55	10.35						
26		13.3	13.6	13.45	1 2	-2.14	11.31						
27		12.5	12.7	12.60	1 1	-1.85	10.75	29 13.6	13.6	13.60	0 0	-2.20 ~~-5.61~~	14.40 ~~7.99~~
28	f.	x f.		F				30 m.s.					

152

Tuesday February 23, 1915.

Copied

Scale R [illegible] Series 280 YELLOW Copied Card

Mc 58 00 | 17 00 | 0.0 Near Scutum Sob.

Alt. +0.3 | P.C.

	sc.1	sc.2	sc.2		Cw.	Magn	sc.2	sc.2				
1	B.				.		9.8	10.3	10.05	2 3	.	
2	1.9 1.6				.		10.4	10.5	10.45	0 1	.	
3	5.3 5.0				1.98	7.28	12.7	12.8	12.75	1 0	-5.41	7.34
4	7.1 6.8				1.08	8.18	.	13.7			.	
5	6.8 6.5				1.23	8.03	def.?	def.?			.	
6	9.1 8.8	9.1		9.10 0 0	-0.05	9.05						
7	8.3 8.0	8.2		8.25 1 0	0.50	8.75						
8		11.2			-1.20	10.00						
9		11.4			-1.30	10.10						
10		10.8			-1.00	9.80						
11		12.1			-1.65	10.45						
12		12.1			-1.65	10.45						
13		13.5	13.4	13.45 1 0	-2.14	11.31						
14		13.7	13.9	13.80 1 1	-2.26	11.54						
15		12.6	12.6	12.60 0 0	-1.85	10.75						
16		13.8	13.7	13.75 0 1	-2.25	11.50						
17		13.7? r.p.	14.0?	13.85? 1 2	-2.28	11.57?						
18			14.0		-2.31	11.69						
19			m.s.		.							
20			m.s.		.							

Tuesday February 23, 1915

Scale R Series 280 – YELLOW Copied Card

Mc 5801 C9 17 +15°

G.C. alt. +09

	sc.1	sc.2	sc.2		Cu.	Magn	sc.2	sc.2		Cu.	
1	44 4.1				2.45	6.85	12.3	12.4	12.35 1 0	-5.29	7.06
2	t.p.				.	.	11.9	11.9	11.90 0 0	-5.13	6.77
3	33 3.0				3.06	6.36	11.4	11.5	11.45 0 1	-4.94	6.51
3a	t.p.				.	.	12.0	12.4	12.20 2 2	-5.24	6.96
4	44 4.1				2.45	6.85	12.4	12.4	12.40 0 0	-5.30	7.10
5	59 5.6			6.40 1 1	1.68	7.58	13.4			-5.58	7.82
6	6.5 6.3 6.2 6.0				1.42	7.82	13.4	13.4	13.40 0 0	-5.58	7.82
6a	6.0 6.1 5.7 5.8			6.05 0 1	60 ~~1.51~~	6 7.55	13.7	13.4	13.55 1 2	-5.61	7.94
7	59 5.6				1.68	7.58	13.3			-5.55	7.75
8	78 7.5	7.4		7.60 2 2	0.84	8.44					
8a	88 8.5	8.7		8.75 0 1	0.18	8.93	~~13.8~~				
9		10.4			-0.81	9.59					
10		10.9			-1.05	9.85					
11	82 7.9	8.2		8.20 0 0	0.51	8.71					
12		10.1			-0.64	9.46					
13		10.3			-0.75	9.55					
14		11.4	11.3	11.35 0 1	-1.28	10.07					
15		10.8 ~~11.3~~	10.8	10.80 0 0	-1.01	9.79					
16		13.3	12.9	13.10 2 2	-2.04	11.06					
17		13.4	13.5	13.45 0 1	-2.14	11.31					
18		13.5	13.7	13.60 1 1	-2.20	11.40			Ch. F.C.		
19		m.s.		,							
20		t.p.		,							
21		m.s.		,							
22		m.s.		,							
23		m.s.		,							

Tuesday February 23, 1915.

Scale R Series 780 YELLOW

	Mc 5802			Pre.	P.C.
	sc.1	sc.2	sc.2		scr.sc.
5	3.1 2.8				11.5
6	5.0 4.7				12.4
8	7.1 6.8				scr. ~~m.s~~
9	8.7 8.4	8.5		8.60 11	m.s.
10	9.0 8.7	8.7		8.85 21	
11		10.4			
12		10.5			
13		11.6			
14		11.7	11.7	11.70 00	
15		12.4	12.5	12.45 01	
16		13.4	13.3	13.35 01	
17		13.4	13.5	13.45 01	
18		13.8	13.8	13.80 00	
19		f.	f.	,	
20		f.		,	
23		m.s		,	
25		m.s		,	
26					
+87 15	6.9 6.6				13.8
+88 80		9.4			
86	8.8 8.5				
115	9.0 8.7				

Ch. F.C.

Sep. 148

Tuesday February 23, 1915.

Scale R

Series 280 YELLOW

	Mc5802		Pole.	P.C.
	sc.1	sc.2		sc.2
2r	3.6 3.3			11.6
3r	t.f.			13.0
4r	7.6 7.3			f.
5r	8.0 7.7	7.8 7.90 0 0		
6r		9.4		
7r		10.5		
8r		11.7		
9r		12.4		
10r		f.		
11r		f		
12r		f.		
4a		10.6		
5a		10.7		
6a		12.0		
7a		14.0?		
8a		m.s.		
9a		m.s.		
10a		m.s.		
11a				
+87 12	6.6 6.3			13.5
+88 2	7.1 6.8			scr.
90	8.9 8.6			
105	7.7 7.4			f.

Sep 149

1:10

Wednesday February 24, 1915.

Scale R. Series 280. YELLOW

9:13 mc 5802 Pole.

P.C.

Cu.	Magn		sc.1	sc.2	sc.2		mc 5808 p163	Diff	sc.2	sc.		mc 5808			Cu.	Mag
3.44	6.24	5	28 2.5				00 2.8 280	363	11.6	11.6	11.60 00	11.75	11.68 08 07	-5.25	-5.28	6.40
2.35	7.00	6	5.1 4.8				54 4.2 465	233	12.4	12.4	12.40 00	12.40	12.40 00 00	-5.42	-5.42	6.98
1.21 ~~7.00~~	8.06	8	7.0 6.7				21 6.7 685	118	f.	f.	.	13.55	13.55 . a	-5.52	-5.54	8.01
0.37	8.75	9	8.7 8.4	8.6		865 10	27 28 8.10 838	036	m.s.		.	.		.	.	.
0.19	8.89	10	9.0 8.7	8.9		8.95 01	25 25 8.45 870	018								
-0.47	9.43	11		10.3			44 9.5 990	-054								
x -0.53	3 9.52	12		10.4			43 9.7 1005	-047								
-1.19	10.06	13		11.6			43 10.9 1125	-117								
-1.38	10.22	14		11.7	11.7	1170 00	10 10 11.5 1160	-136								
-1.74	10.64	15		12.4	12.5	1245 01	07 08 12.30 1238	-174								
-1.94	10.98	16		13.3	13.2	1325 10	33 32 12.60 1292	-198								
-1.97	11.03	17		13.4	13.3	1335 01	35 35 12.65 1300	-196								
-2.00	11.60	18		13.7	13.9	1380 11	20 20 13.40 1360	-204								
-2.00	11.55?	19		f.	f.	.	? ? 13.85 1385	-191								
		20		f.												
		23		m.s.												
1.17	8.07	+87 15	69 6.6				6.9 6.90	00	13.4			F.			-5.53	7.87
0.02	9.02	+88 80	.	9.3			8.7 9.00	33								
0.39	1 87~~4~~	+88 86	8.8 8.5	8.1		875 01	2.43 7.9 83~~5~~	42 ~~45~~				Ch. P.C.				
0.00	9.05	+88 115		9.3			8.8 9.05	32								

Wednesday February 24, 1915.

Scale R

Series 280. YELLOW

MC 5802 Pole.

P.C.

	sc.1	sc.2	sc.2	5808 p 164	Mean			sc.1	sc.2	Magn	Curve	Magn	P.C. 5808, p.164	Mean		Curve	Magn
2r ✻	37 3.4			3.1	3.40	3	3	11.5	-5.24	6.26	3.09	6.49	11.40	11.45	1 0	-0.72	10.73
in fogged part of plate 3r	t.f.			.	.	.		13.2?	-5.52	? 7.68	.	.	12.5	12.85	4 3	-0.99	11.86
4r	70 6.7			7.0	7.00	0	0	13.8	-5.54	8.26	1.11	8.11	14.0?	13.90?	⊥ 1	.	.
5r	80 7.7	7.8	7.90 1 1	7.6	7.75 ~~7.82~~	15 ~~18 02~~	15 ~~08 22~~				72 ~~0.89~~	8.47 ~~8.51~~					
6r		9.5		8.90	9.20	30	30				-0.08	9.12					
7r		10.5		9.9	10.20	3	3				-0.61	9.59					
8r		11.5		11.4	11.45	1	0				-1.29	10.16					
9r		12.5		12.4	12.45	1	0				-1.77	10.68					
10r		f.		14.00	14.00	7	0				.	.					
11r		f.		n.s	.						.	.					
12r		n.s.		n.s	.						.	.					
5a		10.7		10.5	10.60	1	1				-0.84	9.76					
6a		11.9		11.7	11.80	1	1				-1.48	10.32					
7a		f.		13.8?	? 13.80	7	a				-2.00	11.80?					
8a				f.	.						.	.					
9a				n.s	.						.	.					
10a				n.s	.						.	.					
+87 12	65 6.2			6.4	6.45	1	0	13.5	-553 7.97 8.06 1.39	7.84	1.39	7.84	13.9	13.70	2 2	-1.04	12.66
+88 2	69 6.6			6.8	6.85	1	0	13.6 -554	1.20	8.05	1.20	8.05	7'	13.6	a ?	-1.04	12.56
+88 90	89 8.6	8.7	8.80 1 1	8.1	8.45 ~~8.57~~	4 ~~3~~	3 ~~1 5~~		0.26	8.83	32 ~~0.26~~	77 ~~8.83~~	.	.			
+88 105	78 7.5			7.0	7.40	4	4	f.	0.90	8.30	0.90	8.30	13.5	13.5	? a	-1.03	12.47

Wednesday February 24, 1915.

Scale R. | Series 280. YELLOW Copied. Card.

MC 5803 | Cq B1 | 17 20 + 45°

P.C. | Alt +12

		sc.1	sc.2	sc.3		Curve.	Magn.	sc.1	sc.2	sc.3		Cu.	Magn.	
	1	3.3 30				3.15	6.45	11.7	11.7		11.70 00	-5.27	6.43	
poor	2	4.7? 4.4?				2.31	7.01?	12.6	12.9		12.75 21	-5.48	7.27	
	3	Ⓑ				.	.	9.7	10.1	10.1	9.97 3 11	:	.	
Plate fogged in corner →	4	.				.	.	12.8?	12.7		12.75? 0 1	-5.48	7.27 ?	
on edge. also in fogged part of plate }	5	.				.	.	12.6	12.5		12.55 0 1	-5.46	7.09	
" "	6	f.p.				.	.	13.5?				-5.53	7.97?	
	7	6.8 6.5				1.21	8.01	13.9				.	. remeas. July 12, 17.	
	8	4.4 4.1				2.48	6.88	11.8				-5.30	6.50	11.8
	9	5.9 5.6				1.70	7.60	13.5				-5.53	7.97	13.4
	10	7.8 7.5				0.69	8.49	m.s.				.	.	
	11	7.8 7.5				0.69	8.49	f.				.	.	
	12	6.7 6.4				1.28	7.98	13.5				-5.53	7.97	13.5
	13	7.1 6.8				1.06	8.16	13.7				-5.54	8.16	
	14	8.9 8.6	9.1		9.00 1 1	0.02	9.02	m.s.				.	.	
	15	8.8 8.5	8.6		8.70 1 1	0.19	8.89							
	16		10.4			-0.73	9.67							
	17		11.6			-1.38	10.22							
	18		10.7			-0.89	9.81							
	19		10.3			-0.67	9.63							
	20		10.8			-0.95	9.85							
	21		11.7			-1.42	10.28							
	22		11.6	11.7	11.65 0 1	1.39	10.26							
	23		12.2	12.2	12.20 00	-1.66	10.54							
	24		13.1	13.3	13.20 11	-1.99	11.21							
	25		12.7	12.8	12.75 10	-1.88	10.87							
	26		13.8	13.8	12.80 00	-2.00	11.80	28 m.s.						
	27		f	f			.	29 m.s.						

no error in orig. measures.

Star 9 is brighter than 12, but there is not much difference in the P.C's.

Ch. F. C.

Wednesday February 24. 1915.

Scale R: . Series 280. **YELLOW** Copied Card.

Mc 5804 RS Ophiuchi 17 4406

P.C. Alt. -02

Ref. Seq.		sc.1	sc.2	sc.2	Curve	Magn	sc.1	sc.2			
	1	4.1 3.8			2.65	6.75	12.2	12.3	12.25 01	~~1.66~~ -5.89	~~10.59~~ 6.86
	2	5.7 5.4			1.80	7.50	13.4	13.3	13.35 01	~~2.00~~ -5.51	~~11.35~~ 7.84
	3	6.7 6.4			1.27	7.97	f.				
	4	8.0 7.7	7.8	7.90 1 1	0.64	8.54					
	5		9.6		-0.31	9.29					
	6	9.0 8.7	9.2	9.10 1 1	-0.03	9.07					
	7		11.2		-1.18	10.02					
	8		9.7		-0.8~~9~~7	8.8~~1~~3					
	9		12.6		-1.83	10.77					
poor.	10		12.7	12.65 10 12.6	-1.84	10.81					
	11		13.4	13.40 0 0 13.4	-2.00	11.40					
	12		m.s.	m.s.							
	13		~~13.5~~ w.s.	f.							
	14		m.s.	m.s.							
	~~15~~										
Seq for R.S.	a ~~16~~	6.0 5.7			1.64	7.64	13.4			-5.52	7.88
	b ~~17~~		9.4		-0.19	9.21	m.s.				
	c		9.6		-0.31	9.29					
	d	8.9 8.6	8.9	8.90 00	0.10	9.00					
	e		11.6		-1.38	10.22					
	f		11.6		-1.38	10.82					
	g		12.2		-1.64	10.56					
	h		12.4		-1.75	10.65					
	k		13.4		-2.00	11.40					
	l		13.1		-1.98	11.12					
	m		f.								
Var	n		13.5								

Wednesday February 24, 1915.

copied.

Scale R.

Series 280 - YELLOW Card

MC 5805 | Poor Scint. Sob. 18 ~~45~~ 50 - 2.5

alt. +.02 | B.C.

	sc.1	sc.2	sc.2	Cu.	Magn	sc.2 sc.2		
1	1.9 1.6			.		10.1	.	
2	1.8 1.5			.		10.5	.	
3	3.7 3.4			2.90	6.60	11.6	-5.26	6.34
4	6.0 5.7			1.64	7.64	13.5	5.53 -2.99	~~.44~~ 11.50 7.97
5	6.9 6.6			1.18	8.08	14.0? f	.	.
6	7.4 7.1			0.90	8.30			
7	8.0 7.7			0.58	8.58			
8	7.6 7.3			0.79	8.39			
9	8.9 8.6	9.1	9.00 1 1	0.02	9.02			
10	9.0 8.7	8.9	8.95 0 1	0.05	9.00			
11	8.5 8.2	8.4	8.45 1 0	0.33	8.78			
12		10.4		-0.73	9.67			
13		11.4		-1.28	10.12			
14		11.7		-1.42	10.28			
15		12.7		-1.88	10.82			
16		13.~~5~~4		-2.00	11.40			
17		13.~~7~~6		-2.00	11.60			
18		f.		.	.			
19		f.		.	.			
20		13.3		-2.00	11.30			
21		f		.	.			
22		m.S.		.	.			

Ch. F.C.

Wednesday February 24. 1915.

Scale R

Series 280. YELLOW Copied. Card

Mc 5806 U Scuti? 18 50 - 12.5

P.C. alt. -.07

	sc.1	sc.2	sc.2			Cu.	Magn	sc.v	sc.2
a	6.8 6.5					1.21	8.01	f	
b	7.8 7.5	7.5		7.65	21	0.78	8.43		
c	8.8 8.5	8.1		8.75	01	0.16	8.92		
d		10.1				-0.55	9.55		
d'		10.6				-0.84	9.76		
e		10.5				-.078	9.72		
e'		12.9 ~~13.2~~	12.6	12.75	12	-1.89	10.86		
f		12.5	12.5	12.50	00	-1.80	10.70		
g		13.4	13.1	13.25	21	-.199	11.26		
h		m.s.	m.s.						
k		f.	m.s.						
l		13.8	13.9	13.85	01	-2.00	11.85		
m		m.s.	m.s.						
n		m.s.							
o		m.s.							
p		m.s.							
q									
r									
s									
t									
u									

Ch. F.C.

Wednesday February 24, 1915.

Scale R — Series 280. YELLOW Copied

MC 5807 — Nova Aquilae No. 2 — $19^h - 50^\circ$

P.C. — att .00

		sc.1	sc.2	sc.2	Cw.	Magn	sc.2	sc.2		
	a	3.8 3.5			2.82	6.62	12.1	11.8	11.75 1/2 0 -5.28 6.47	wr unit.
	b	8.7 8.4	8.5	8.60 1 1	0.24	8.84	St.			
	c	8.6 8.3	8.5	8.55 0 1	0.28	8.83				
	d		9.4		-0.19	9.21				
	e		9.6		-0.31	9.29				
	f		10.5	10.50 0 0 10.5	-0.78	9.72				
	g		10.3	10.35 1 0 10.4	-0.70	9.65				
	h		Scratched.							
poor	k		11.6?	11.55 0 1 11.5?	-1.36	10.19?				
	l		10.5	10.45 1 0 10.4	-0.74	9.71				
	m		def?							
	n		13.3	13.35 1 0 13.4	-2.00	11.35				
	o		f.							
	p		m.s.							
	q		m.s.							
	r		m.s.							
	s		m.s.							
	t									

All images are elongated — Ch. P.C.

Wednesday February 24, 1915.

Scale R

Series 280. YELLOW

		MC 5808			Pole.	P.C.		
		sc.1	sc.2			sc.2	sc.2	
	5	2.8 2.5				11.7	11.8	11.75 10
	6	4.7 3.9				12.4	12.4	12.40 00
	8	6.7 6.4				13.5	13.6	13.55 10
	9	8.7 7.9	8.0		8.10 11	m.s.		
	10	8.6 8.3	8.3		8.45 21	m.s.		
	11		9.5					
	12		9.7					
	13		10.9					
	14		11.5					
	15		12.4	12.2	12.30 11			
	16		12.7	12.5	12.60 11			
	17		12.7	12.6	12.65 10			
	18		13.5	13.3	13.40 11			
Close to def. region.	19		13.8?	13.9	? 13.85 01			
	20		m.s.	m.s.				
	23		m.s.					
	25		m.s.					
	26							
	27							
	28							
+87	15	6.9 6.6				f.		
+88	80	8.7 8.4						
	86	7.9 7.6						
	115	8.8 8.5						

Ch. F.C.

Wednesday February 24, 1915.

Scale R

Series 280 - YELLOW

		Me 5808			Pole	cont Pc.
		sc.1	sc.2	sc.2		sc.2
	2n	3.1 2.8				11.3 11.5 11.40 ⊥ 1
Fogged?	3n					12.5
	4n	7.0 6.7				14.0? ft.
	5n	7.6 7.3				
	6n	9.0 8.7	8.8	8.90		
	7n		9.9			
	8n		11.4			
	9n		12.4			
	10n		14.0			
	11n		m.s.			
	12n		m.s.			
	5p		10.5			
	6p		11.7			
	7p		13.8?			
	8p		f			
	9p		m.s.			
	10p		m.s.			
	+87 12	6.4 6.1				13.9
	+88 2	6.8 6.5				f.
	+88 90	8.1 7.8				
	+88 105	7.0 6.7				13.5

See p. 157

12:40

February 25, 1915.

Examination of discordant measures.

C 3 P.C. star 13. Mc 6915.
Wrong unit. Corrected in books.

C8 Star 21. Mc 5773.
Observation correct. Error in reduction. Corrected.
Star 27. Mc 5481.
magn. rejected by H.S.L. defect. see also Bk 10 : 216 (6)

C 12 Stars 16, 17.
16, 17 rejected. see O Bk 10: 140.

D 3. P.C. star 13. Mc 6914.
assume faint star image north of P.C. measured for P.C. Rejected by H.S.L.

Sheet. No 138

Friday February 26, 1915

Reduction delayed for discordance.

To be reduced.
H.S.L. Jan 28, 1916

Scale R

Series 171

9:35 MC 4441 Pole-

P.C

		sc.1	sc.2	sc.2		MC 4446 p171			sc.1	sc.2		MC 4446 p171			
	5	.							90 8.7	8.8	8.90 1 1	7.65	8.28	62 63	-179
	6									9.2		8.40	8.80	40 40	-169
	8									10.7		10.10	10.40	30 30	-217
	9									11.4		10.50	10.95	45 45	-212
	10	72 6.9 76				5.9	67 6.55	2.47		11.4		10.7?	? 11.05	4 35 30	-203
	11	3 7.5 7.9	7.2		7.40 2 2	6.8	30 30 7.10	2.45		11.8		12.0	11.90	1 1	-235
	12	7.6 8.7	7.5		7.70 2 2	7.0	35 35 7.35	2.51		12.3		vf	12.30	a .	-244
	13	8.4	8.5		8.60 1 1	7.9	35 35 8.25	2.05		12.7?		12.7	? 12.70	0 0	-240
	14		9.2			8.5	43 8.85	1.80		13.5		13.1?vf	13.30	2 2	-265
	15		9.4			8.8	33 9.10	1.98		13.6		13.4	13.50	1 1	-242
	16		10.1			9.0	56 9.55	1.85		t.f.					
	17		10.4			9.7	43 10.05	1.58							
	18		10.6			10.4	11 10.50	1.56							
	19		11.3			10.7	33 11.00	1.42							
	20		11.4			11.1	21 11.25	1.48							
	23		12.1	11.7	11.90 2 2	11.65	12 13 11.78	1.56							
	25		12.7	12.5	12.60 1 1	12.45	08 07 12.52	1.35							
	26		12.9	12.9	12.90 0 0	12.70	10 10 12.80	1.53							
	27		13.1	13.4	13.25 1 2	0 12.85	20 20 13.05	1.64							
	28		13.9	13.5	13.70 2 2	13.40	15 15 13.55	1.56							
also t.f.	29		m.S.?	f.		13.95	a 13.95	1.71		ch P.C.					
	30		m.s.												
	31														

Images are poor.

Friday February 26, 1915

Scale R. Series 171. Copied B10:29

	Mc 4442			Carte			7 +54.5				
				Alt + 21			Q.C.				
	sc.1	sc.2	sc.2		Cu.	Magn	sc.1	sc.2	sc.2	Cu.	Magn
1	B.						10.3	10.2	10.25 10	-2.01	8.24
2	6.2 5.9				2.53	8.73	11.1	11.1	11.10 00	-2.17	8.93
3	7.7 7.4				2.15	9.85	12.1	12.1	12.10 00	-2.35	9.75
4	8.0 7.7	7.8		7.90 1 1	2.11	10.01	12.4	12.3	12.35 01	-2.40	9.95
5	8.9 9.2 8.6 8.9	9.3		9.13 2 1 2	1.83	10.96	13.8	13.8	13.80 00	-2.58	11.22
6		10.0	10.1	10.05 01	1.62	11.67					
7		9.8	10.1	9.95 21	1.64	11.59					
8		10.3			1.58	11.88					
9		10.6			1.52	12.12					
10		10.8			1.50	12.30					
11		11.4			1.46	12.86					
12		11.6	11.4	11.50 11	1.46	12.96					
13		11.5	11.5	11.50 00	1.40	12.96					
14		11.6			1.46	13.06					
15		11.7			1.46	13.16					
16		12.3	12.3	12.30 00	1.49	13.79					
17		12.3	12.3	12.30 00	1.49	13.79					
18		12.3	12.4	12.35 10	1.49	13.84					
19		12.5	12.4	12.45 10	1.50	13.95					
20		13.5	13.5	13.50 00	1.50	$\overset{5}{14.00}$					

Friday February 26, 1915

Scale R

Series 171.

Copied B 10: 18

Mc 4443 | Carte | 8 +64.5

Alt + 19 | P.C

	sc1	sc2	sc2		Cu.	Magn	sc	v sc2		Cu	
1	6.9 6.6				2.34	9.24	11.4	11.5	11.45 01	-2.24	9.21
2	7.0 6.7				2.31	9.31	11.5	11.5	11.50 00	-2.25	9.25
3	8.0 7.7				2.09	10.09	12.3	12.4	12.35 10	-2.40	9.95
4	8.1 7.8	7.8		7.95	2.10	10.05	12.4	12.4	12.40 00	-2.41	9.99
5	8.1 7.8	7.8		7.95	2.13	10.08	12.5	12.5	12.50 00	-2.42	10.08
6	9.0 8.7	8.9		01 8.95	1.87	10.82	13.3			-2.54	10.76
7		9.3			1.76	11.06	13.6			-2.57	11.03
8		10.2			1.60	11.80	f.				
9		10.4			1.56	11.96					
10		10.7			1.51	12.21					
11		10.8			1.50	12.30					
12		11.2			1.47	12.67					
13		11.4			1.46	12.86					
14		11.5			1.46	12.96					
15		12.2			1.47	13.67					
16		12.2	12.2	12.20 00	1.47	13.67					
17		12.5	12.4	12.45 10	1.49	13.94					
18		12.4	12.4	12.40 00	1.49	13.89					
19		12.8	12.9	12.85 01	1.52	14.37					
20		13.8	13.5	13.65 21	1.63	15.28					

P.C. poor

Friday February 26, 1915

Scale R. Series 171. Copied B10:90

	MC4444			Carte		8 +17.5				
				Ret. +18		P.C.				
	sc.1	sc.2	sc.2	Cu.	Magn	sc.1	sc.2		Cu.	Magn
1	5.5 5.2					4 10.8	10.5	10.45 01	-2.05	8.40
2	6.0 5.7			2.59	8.59	11.1	11.1	11.10 00	-2.18	8.92
3	6.0 5.7			2.59	8.59	11.2?	11.2	11.20? 00	-2.20	Im. P.C. from 9.00?
4	6.8 6.5			2.36	9.16	11.6?	11.5?	11.55 01	-2.26	9.29?
5	7.9 7.6	7.7	7.80 11	2.13	9.93	12.5	12.4	12.45 10	-2.41	10.04
6	8.4 8.1	8.3	8.35 01	2.00	10.35	12.6?			-2.45	10.15?
7		9.3		1.76	11.06	14.0?			-2.50	11.50?
8		9.5		1.72	11.22					
9		10.5		1.54	12.04					
10		11.1		1.48	12.58					
11		11.3		1.47	12.77					
12		11.4		1.46	12.86					
13		11.8		1.46	13.26					
14		11.7		1.46	13.16					
15		12.1		1.47	13.57					
16		12.3		1.48	13.78					
17		12.5		1.50	14.00					
18		12.5		1.50	14.00					
19		13.1		1.55	14.65					
20		13.6		1.62	15.22					

Images elongated.

Friday February 26, 1915.

Scale R — Series 171 — Copied B10:66

Mc 4445 Carte 8h. +31.5

Alt +22

S.C.

	sc.1	sc.2	sc.2		Cu.	Magn	sc.1	sc.2		Cu	
1	5.2 4.9						10.1	10.1	10.10 00	-1.99	8.11
2	6.6 6.3				2.40	9.00	11.4	11.5	11.45 01	-2.24	9.21
3	7.9 7.6				2.11	10.01	12.2	12.3	12.25 01	-2.39	9.86
4	8.1 7.8	8.3		8.20 11	2.05	10.25	12.6	12.6	12.60 00	-2.44	10.16
5	8.8 8.5	8.8		8.80 00	1.90	10.70	12.1?	tp.		-2.42	10.28?
6	8.9 8.6	9.0		8.95 10	1.86	10.81	13.0			-2.50	10.50
7		9.3			1.76	11.06					
8	9.8	9.8			1.66	11.46					
9		9.7			1.69	11.39					
10		10.4			1.56	11.96					
11		10.6			1.53	12.13					
12		10.8			1.50	12.30					
13		11.2			1.47	12.67					
14		11.5			1.46	12.96					
15		11.6			1.46	13.06					
16		11.9	11.8	11.85 10	1.46	13.31					
17		12.1	11.9	12.00 11	1.47	13.47					
18		12.4	12.5	12.45 01	1.49	13.94					
19		12.9	12.8	12.85 10	1.52	14.37					
20		13.5	13.5	13.50 00	1.60	15.10					

Friday February 26, 1915.

Scale R

Series 171 –

		MC 4446			Pole	P.C.			
		sc.1	sc.2	sc.2		sc.1	sc.2	sc.2	
	5					7.8 7.5	7.5		7.65 21
	6					8.6 8.3	8.2		8.40 22
	8						10.1	10.1	10.10 00
	9						10.4	10.6	10.50 11
	10	5.9 5.6					10.7? poor.		
	11	6.8 6.5					12.0		
	12	7.0 6.7					t.p.		
	13	7.9 7.6					12.7		
	14	8.5 8.2					13.1? v.p.		
	15	8.8 8.5					13.4		
	16	9.0 8.7							
	17		9.7						
	18		10.4						
	19		10.7						
	20		11.1						
	23		11.6	11.7	11.65 01				
	25		12.5	12.4	12.45 10				
	26		12.7	12.7	12.70 00				
poor	27		12.9	12.8?	12.85? 10				
	28		13.4	13.4	13.40 00				
	29		13.9	14.0	13.95 10		Ch. P.C		
	30		f.	f.					

See p 166

11:22

Saturday February 27, 1915-

Scale R. Series 171-

9: ~~20~~ 18

Mc 4446 Pole.

B.C.

	RC.1	RC.2	RC.2			MC 4452 p 177				Diff	RC.1	RC.2			MC 4452 p 177				
5											7.7 7.4	7.2	7.45	32	7.45	7.45	00	00	-0.96
6											8.2 7.9	8.2	8.20	00	7.90	8.05	15	15	-0.94
8											10.1	9.9	10.00	11	10.10	10.05	05	05	-1.82
9											10.5	10.6	10.55	10	10.60	10.58	03	02	-1.75
10	5.9 5.6					5.7	5.80	1	1	3.22	10.6?	[illegible]	10.65?	01	10.60	10.62?	03	02	-1.60
11	6.8 6.5					6.2	6.50	3	3	3.05	12.1				11.6	11.85	3	2	-2.30
12	6.9 6.6					6.4	6.65	3	2	3.21	12.1				Def.	12.10	a		-2.24
13	7.9 7.6	7.6		7.75	12	7.6	7.68	07	08	2.62	12.6				12.6	12.60	0	0	-2.30
14	8.5 8.2	8.2		8.35	12	7.8	8.08	27	28	2.57	13.2				13.2	13.20	0	0	-2.55
15	8.6 8.3	8.5		8.55	01	8.30	8.42	13	12	2.66					13.8	13.80	a		-2.72
16		9.3				8.70	9.00	30	30	2.40					13.9?	13.90?	a		-2.50
17		9.6				9.05	9.32	28	27	2.31									
18		10.3				9.9	10.10	2	2	1.96									
19		10.5				10.4	10.45	1	0	1.97									
20		10.8				10.6	10.70	1	1	2.03									
23		11.6				11.6	11.60	0	0	1.74									
25		12.4	12.3	12.35	01	12.30	12.32	03	02	1.55									
26		12.6	12.5	12.55	01	12.90	12.72	17	18	1.61									
27		12.7	12.7	12.70	00	13.20	12.95 ~~13.45~~	25	25	1.74 ~~1.24~~									
28		13.4	13.4	13.40	00	13.60	13.50	10	10	1.61									
29		f.	f			13.85	13.85	a		1.81	Cl. B.C.								
30		m.s.	m.s.																
31																			

Saturday February $2\overset{7}{4}$, 1915

Scale R. Series 171 Copied

Mc 4447 Carte $9^h + 10^\circ.5$

Alt. + 15 P.C.

	sc.1	sc.2	sc.2		Cu.		sc.2	sc.2		Cu.	Magn.
1	$\overset{50}{4.7}$				.	.	9.8	10.2	10.00 2 2	− 1.63	8.37
2	$\overset{56}{5.3}$				3.35	8.95	10.5	10.4	10.45 1 0	− 1.76	8.69
3	$\overset{65}{6.2}$				3.11	9.61	11.6	11.6	11.60 0 0	− 2.11	9.49
4	$\overset{66}{6.3}$				3.09	9.69	11.6	11.8	11.70 1 1	− 2.14	9.56
5	$\overset{70}{6.7}$				2.97	9.97	12.2	12.2	12.20 0 0	− 2.28	9.92
6	$\overset{84}{8.1}$	8.2		8.30 1 1	$2.5\overset{8}{7}$	10.88	t.fr.		.	.	.
7	$\overset{89}{8.6}$	8.7		8.80 1 1	$2.\overset{44}{\cancel{50}}$	$11.\overset{24}{\cancel{30}}$	13.9			−2.69	11.21
8	$\overset{96}{8.7}$	8.8		8.90 1 1	$2.4\overset{1}{\cancel{5}}$	$11.3\overset{1}{\cancel{5}}$	13.9			−2.69	11.21
9		10.4			1.99	12.39					
10		10.7			1.92	12.62					
11		11.2			1.81	13.01					
12		11.2			1.81	13.01					
13		11.2			1.81	13.01					
14		11.7			1.72	13.42					
15		11.8			1.70	13.50					
16		12.2	12.1	12.15 0 1	1.66	13.81					
17		12.4	12.3	12.35 0 1	1.64	13.99					
18		t.fr.	13.1	13.10 . a	1.64	14.74					
19		13.1	13.2	13.15 1 0	1.65	14.80					
20		13.5	13.5	13.50 0 0	1.68	15.18					

Ch. F. C.

P.C. very poor. Images large and hazy.

Saturday February 27, 1915

Scale R

Series 171–

	Mc 4448			Carte.				
*						R.C.		
	sc.1	sc.2	sc.2			sc.	sc.	
1								
2								
3								
4								
5	7.6 7.3			280	10.40			
6								
7	8.1			264	10.74			
8								
9								
10		9.4		226	11.66			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

* See note on cover which says plate need not be measured if comparison with scale is found to be too difficult.

Images are elongated.

Saturday February 27, 1915

Scale R. Series 171- Copied

	Mc 4449			Carte			9 — 25					
	Alt. +0.4						P.C.					
	sc.1	sc.2	sc.2		Cu.	Magn	sc.1	sc.2	sc.2		Cu.	Magn
1	44 4.1						89 86	9.1		9.00 1 1	-1.29	7.71
2	55 5.2						~~10.6~~	10.5	10.4	10.45 1 0	-1.77	6 8.~~7~~8
3	59 5.6				3.27	9.17		10.8	10.8	10.80 0 0	-1.89	8.91
4	67 6.4				3.06	9.76		t.p.				
5	76 7.7	7.4		7.50 1 1	2.83	10.33		12.7	12.7	12.70 0 0	2.41 -~~1.64~~	10.29 ~~11.06~~
6	86 8.3	8.5		8.55 0 1	2.50	11.05		13.5			-2.59	10.91
7		9.4			2.26	11.66		f.				
8		9.4			2.26	11.66						
9		9.7			2.17	11.87						
10		10.4			1.99	12.39						
11		10.5			1.96	12.46						
12		10.5			1.96	12.46						
13		10.7			1.91	12.61						
14		10.9			1.87	12.77						
15		11.1			1.84	12.94						
16		11.4	11.2	11.30 1 1	1.80	13.10						
17		12.1	12.1	12.10 0 0	1.66	13.76						
18		12.4	12.3	12.35 0 1	1.64	13.99						
19		12.8	12.7	12.75 0 1	1.63	14.38						
20		13.6	13.6	13.70 1 1	1.70	15.40						

Ch. F. C.

Images of P.C. poor. large + difficult to compare with scale-

Saturday February 21, 1915

Scale R

Series 171 -

Copied

	NGC 4451			Carte		9 +5 45°				
				Alt. 22		O.c.				
	sc. 1	sc. 2	sc. 2	Cu.	Magn.	sc. 1	sc. 2		Cu.	Magn.
1	54 5.1			.		10.5	10.5	10.50 00	-1.77	8.73
2	65 6.2			3.12	9.62	11.4	11.3	11.35 01	-2.04	9.31
3	72 6.9			2.91	10.11	12.5	12.4	12.45 10	-2.34	10.11
4	73 7.0			2.88	10.18	12.7	12.7	12.70 00	-2.41	10.29
5	80 7.7	7.8	7.90 11	2.70	10.60	13.2	13.4	13.30 11	-2.55	10.75
6	90 8.7	9.0	9.00 00	2$\overset{3}{\cancel{8}}$8	11.$\overset{3}{\cancel{8}}$8	t. f.	.	.	.	.
7		9.3		2.30	11.60					
8		10.4		1.99	12.39					
9		10.4		1.99	12.39					
10		11.2		1.81	13.01					
11		11.1		1.84	12.94					
12		11.5		1.75	13.25					
13		11.7		1.71	13.41					
14		11.8		1.69	13.49					
15		11.9		1.69	13.59					
16		12.1	12.15 1 0 12.2	1.66	13.81					
17		12.4	12.40 0 0 12.4	1.64	14.04					
18		12.5	12.50 0 0 12.5	1.64	14.14					
19		13.2	13.25 0 1 13.3	1.66	14.91					
20		13.4	13.45 0 1 13.5	1.67	15.12					

Ch. P. C.

Saturday February 27, 1915

Scale R

Series 171 –

	MC 445 2			Pole.	P.C.			
	sc.1	sc.2	sc.2		sc.1	sc.2	sc.2	
5					7.7 7.4	7.2		7.45 32
6					8.0 7.7	7.8		7.90 11
8						10.1	10.1	10.10 00
9						10.6	10.6	10.60 00
10	5.7 5.4					10.5	10.7	10.60 11
11	6.2 5.9					11.6		
12	6.4 6.1					def.		
13	7.6 7.3					12.6		
14	7.8 7.5					13.2		
15	8.2 7.9	8.4		8.30 11		13.8		
16	8.8 8.5	8.6		8.70 11		13.9? ~~13.5~~	Very poor.	
17	9.1 8.8	9.0		9.05 10				
18		9.9						
19		10.4						
20		10.6						
23		11.6						
25		12.3	12.3	12.30 00				
26		12.9	12.9	12.90 00				
27		13.3	13.1	13.20 11				
28		13.6	13.6	13.60 00				
29		13.8	13.9	13.85 01		Ch. P.C.		
30		f.	f.					
31		n.s.	n.s.					

10:26

Tuesday March 2, 1915.

Scale — wrong plate. Series 304 –

			Mc ~~6068~~ 6079			Pole	P.C.	
			sc.1	sc.2	sc.2		sc.2	sc.2
		5	2.7				11.8	11.9
		6	4.8				12.8	12.7
		8	6.5				13.9	13.9
		9	8.1	8.4			m.s.	
		10	8.7	8.8				
		11		10.4				
		12		~~11.4~~ 10.8				
		13		11.5				
		14		11.4				
		15		12.3	12.4			
		16		12.7	12.7			
		17		12.9	12.8			
		18		13.5	13.4			
not comp.		19		14.0?	13.9			
		20		f.	f.			
		23		m.s.				
		25		m.s.				
	+87	15	6.8				13.5	
near edge.	+88	80		10.2?			m.s.	
" "		86		9.5				
		115		9.5				

14 slightly brighter than 13.

Tuesday March 2, 1915

Scale — Series 304-

Scale	Mc ~~6068~~ 6079. sc.1	sc.2	Cont	B.C. sc.1	sc.2
2r	3.6				11.7
3r	6.4				13.4?
4r	7.5				
5r	8.3	8.5			
6r	8.8	9.2			
7r		10.5			
8r		11.6			
9r		12.2			
10r		13.6			
11r		13.8			
12r		f.			
4s		10.6			
5s		10.6			
6s		12.2			
7s		13.6			
8s		f.			
9s		m.s.			
10s					
+87 12	6.2				13.5
+88 2	6.6				13.6
9o					
105′	7.6				

Tuesday March 2, 1915.

Scale R

Series 70.4 3 **YELLOW**

10:45			Mc 6068			Pole.												
												P.c.						
Cu.	Magn		sc.1	sc.2	sc.2			Mc 6073 p185		Diff		sc.2 sc.2	Mc 6073 p185			Diff		Cu.
2.50	6.00	5	33 30					37	2, 2 3.50	299	293	115	11.8	11.65	15 25	-516	-5.22	-5.23
1.46	7.11	6	55 52					58	1 2 565	1.46	133	124	12.5	12.45	0 1	-534	-547	-546
0.70	8.02	8	7.1 6.8					7.55	3 3 7.32	091	071	134	14.0?	? 1370	3 3	-547	-5.67	-567
-0.07	8.71	9	8.7 8.4	8.6		8.65	10	8.90	13 12 8.78	0.05	-0.04	f.						
-0.39	8.91	10	9.0 8.7	9.2		9.10	11	9.5	20 20 9.30	-028	-~~028~~ 42							
-0.90	9.30	11	9.9 7.1	9.9				10.5	3 3 10.20	-065	-084							
-1.29	9.66	12		10.7				11.2	3 2 10.95	-109	-137							
-1.58	10.07	13		11.5				11.8	1 2 11.65	-135	-157							
-1.68	10.24	14		11.8	11.7	11.75	01	12.10	17 18 11.92	-127	-168							
-1.92	10.66	15		12.4	12.4	12.40	00	12.45	18 17 12.58	-150	-194							
-2.01	10.89	16		12.8	12.8	12.80	00	13.00	10 10 12.90	-150	-196							
-2.08	11.07	17		13.2	13.0	13.10	11	13.20	05 05 13.15	-152	-211							
-2.24	11.56	18		13.7	13.6	13.65	10	13.95	15 15 13.80	-174	-224							
.	.	19		f.		.		.		.								
.	.	20		n.s.		.		.		.								
		23																
		25																
		26																
		27																
		28																
		29								Ch. F.C.								
		30																
+81	15	~~81~~	7.4 7.1							13.5								
+88°	80			10.3														
+88	86			9.2														
+88	115			9.2														

Tuesday March 2, 1915

Scale R

Series 304. YELLOW

		MC 6068				Pole.	P.C.							
		sc.1	sc.2	sc.2	Curve	Magn	sc.2	sc.2 Cu.	Magn	p186	MC 6073 p186	Mean	Cu.	Magn
6.42	2r	3.8 3.5			2.36	6.16	11.5	-5.20	6.30	11.7	4.1	3.95	2.30	6.25
6.99	3r	6.4 6.1			1.09	7.49	13.2	-5.59	7.51	129	6.5	6.45	1.06	7.51
8.03 ?	4r	7.8 7.5			0.42	8.22	13.5	-5.65	7.85	f	7.45	7.62	0.54	8.16 ~~7.99~~
	5r	8.2 4.9	8.2	8.20 00	0.22	8.42					8.20	8.20	0.22	8.42
	6r		9.5		-0.56	8.94 ~~10.06~~	Mean 1160	Cu. -5.23	Magn 6.37		9.8	9.65	-0.57	08 9.28
	7r		10.5		-1.05	9.45 ~~11.55~~	1300	-5.58	7.42		10.7	10.60	-1.11	9.49
	8r		11.6		-1.58	02 ~~10.xx~~	1350	-5.64	7.86		11.9	11.75	-1.63	10.12
	9r		12.4		-1.86	10.54 ~~14.26~~					12.6	12.50	-1.89	10.61
	10r		f.		.	.					f.	.	.	.
	11r		n.s.		.	.					n.s	.	.	.
	12r										.	.	.	.
	4a		10.6		-1.11	49 ~~9.7x~~					10.8	10.70	-1.15	9.55
	5a		10.7		-1.16	54 ~~9.8x~~					10.8	10.75	-1.19	9.56
	6a		12.3		-1.82	10.48 ~~14.12~~					12.4	12.35	-1.85	10.50
	7a		13.7		-2.21	11.49 ~~15.91~~					n.s	13.70	-2.21	11.49
	8a		f.		.	.					.	.		
	9a		m.s.		.	.					.	.		.
	10a				.						.			
	+87 12	6.9 6.6			0.87	7.77	13.4	13.4 -5.64	7.76	Mean 1340.00	7.0	6.95	0.83	7.78
	+88 2	7.4 7.1			0.63	8.03	13.5	-5.65	7.85		7.7	7.55	0.56	8.11
	+88 90	.	9.2		-0.32	8.88					9.3	9.25	-0.33	8.92
	105	7.9 7.6			0.39	8.29	13.9	.	.		7.80	7.85	0.41	8.26

Cu.	Magn
-5.64	7.86
-5.65	7.85

Ch. P.C.

Tuesday March 2, 1915.

Copied

Scale $\overset{R}{\text{Y}}$.   Series 304.   YELLOW

MC 6069   RS Oph.   17 50 -7.5

Alt .05   P.C.   alt. -03

		sc.1	sc.2	sc.3	Cu.	Magn.	sc.1	sc.2		Cu.	Magn.
Ref. Seq. for centre	1	5.3 5.1 5.0 4.8		5.20 1 1	1.69	6.89	12.3	12.2	12.25 1 0	-5.40	6.85
	2	6.8 6.5 6.5 6.2		6.65 2 1	0.96	7.61	12.6	12.8	12.70 1 1	-5.51	7.19
	3	7.7 7.4			0.49	8.19	13.8	13.5	13.65 2 1	-5.68	7.97
	4	8.9 8.6	8.8	8.85 1 0	-0.10	8.75	14.1?	14.0?	14.05? 1 0	↘	.
	5		10.4		-1.01	9.39					
	6		10.1		-0.85	9.25					
	7		11.4		-1.50	9.90					
	8		10.5		-1.05	9.45					
	9		12.65 0 1 12.6	12.7	-1.93	10.72					
	10		12.50 0 0 12.5	12.5	-1.88	10.62					
	11		13.10 1 1 13.0	13.2	-2.06	11.04					
	12		13.95 0 1 14.0	13.9	.	.					
	13		m.s.	m.s. ~~13.4~~	.	.					
	14		m.s.		.	.					
poor	15		13.80? 1 1 13.9?	13.7?	-2.24	11.56?					
	16		1	.	.	.					
Var. Seq	a	7.4 7.1	7.3	7.35 0 1	0.67	8.02	13.4			-5.64	7.76
	b		10.4		-1.01	9.39	m.s.			.	.
	c		10.6		-1.11	9.49					
	d		10.1		-0.85	9.25					
	e		12.2		-1.78	$\overset{4}{10.52}$					
	f		12.1		-1.74	10.36					
	g		12.4		-1.87	10.53					
	h		12.1		-1.74	10.36					
	k		13.5? v.p.		-2.16?	11.34?					
	l		1.								

Var. Seq. copied

Ch. P.C.

Tuesday March 2, 1915.

Scale R | Series 304 | YELLOW | Copied

MC 6070 | Poor Scut. Sob. | 1850-25

+ ~~Alt. +.04~~ | P.C. – | Alt. +.02

	sc.1	sc.2	sc.2	Cu.		sc.2	sc.2			
1	3.1 3.0 2.8 2.1		3.05 1 0			10.1	10.8	10.75 1 0		
2	2.3 2.4 2.0 2.1		2.35 1 0			10.1	10.8	10.75 ~~4~~ 1 0		
3	t.f.					11.9	12.1	12.00 1 1	-5.34	6.66
4	6.9 6.6			0.8~~7~~ 2	7.77	12.8	13.2	13.00 2 2	-5.58	7.42
5	8.0 7.7			0.32	8.32	13.5	13.4	13.45 1 0	-5.64	7.81
6	8.5 8.2	8.2	8.35 1 2	0.14	8.49	13.6			-5.66	7.94
7	8.9 8.6	9.1	9.00 ~~8.95~~ 1 1	.20 -0.~~14~~	0 88~~1~~	f.				
8	8.1 7.8	8.0	8.05 1 0	0.30	8.35	13.1	~~13.4~~		-5.67?	8.03?
9		9.6		-0.55	9.05	m.s.				
10		9.3		-0.39	8.91					
11		9.4		-0.44	8.96					
12		10.5		-1.05	9.45					
13		11.6		-1.57	10.03					
14		11.8		-1.66	10.14					
Im. peculiar shape 15		12.6?		-1.92	10.68?					
16		13.3	13.30 0 0 13.3	-2.11	11.19					
17		13.5	13.45 1 0 13.4	-2.14	11.31					
18		13.2	13.20 0 0 13.2	-2.09	11.11					
19		13.4	13.40 0 0 13.4	-2.14	11.26					
20		def?	~~14.0?~~							
21		f.								
22		n.s.								
23		n.s.								

Ch. F. C.

Images of 2 is ~~decid~~ larger than 1, but 1 is decidedly brighter, although it does not appear so from scale [illegible]

Plate scratched

184

Tuesday March 2, 1915.

Scale R

Series 304- YELLOW- Copied.

		Mc # 6072			C 10.		19 +15°				
					~~att. +.14~~		P.C.		att. +0.10		
		sc.1	sc.2	sc.2	Cu.	Magn	sc.2	sc.2		Cu.	Magn
	1	4.8 4.5			1.88	6.68	12.3	12.3	12.30 00	-5.41	6.89
	2	5.7 5.4			1.44	7.14	12.6	12.5	12.55 01	-5.49	7.06
	3	5.1 4.8			1.74	6.84	12.2	12.3	12.25 01	-5.40	6.85
	4	6.7 6.4			0.94	7.64	not comp.			.	.
	5	7.9 7.6			0.39	8.29	13.8	13.8	13.80 00	-5.69	8.11
dbl.	6	.			.	.	.			.	.
	7	6.0 5.7			1.29	7.29	13.3			-5.62	7.68
	8		9.4		-0.45	8.95					
	9	8.5 8.2	8.5	8.50 00	0.08	8.58					
	10		10.5		-1.05	9.45					
	11		10.7		-1.16	9.54					
	12		11.8		-1.66	10.14					
	13		12.3		-1.82	10.48					
	14		12.5		-1.89	10.61					
	15		12.60 00 12.6	12.6	-1.92	10.68					
	16		13.10 11 13.2	13.0	-2.06	11.04					
	17		13.45 10 13.3	13.4	-2.14	11.31					
	18		13.40 00 13.4	13.4 ~~12.6~~	-2.14	11.26					
	19		13.70 11 13.8	13.6	-2.21	11.49					
	20		f.	f.	.	.					
	21		13.9		.	.					
	22		m.s.		.	.					
	23		m.s.		.	.					
	24										

Remeas. July 5, 1917.

3 12.2

5 13.7

7 12.9 P.C. image is sharper than image on scale. Orig. measure is faint, but not incorrect. May be 13.1 on second examination.

O.

Ch. P.C.

Tuesday March 2, 1915.

Scale R

Series 304 - YELLOW

	MC 60 13			Pole -	P.C.
	sc.1	sc.2	pc.2		sc.2 sc.2
5	3.7 3.4				11.8
6	5.8 5.5				12.5
8	7.7 7.4	7.4		7.55 12	14.0?
9	9.0 8.1	8.8		8.90 11	
10		9.5			
11		10.5			
12		11.2			
13		11.8			
14		12.1	12.1	12.10 00	
15		12.8	12.7	12.75 01	
16		12.9	13.1	13.00 11	
17		13.2	13.2	13.20 00	
18		14.0	13.9	13.95 01	
19		m.s.			
20		m.s.			
23					
25					
+87 15	7.8 7.5				13.4
+88 80		10.1			n.s Ch. P.C.
+88 86		9.2			
+88 115		9.5			

Tuesday, March 2, 1915.

Scale R

Series 304 - YELLOW

	MC 6073			cont.	Pole			
					P.C.			
	sc.1	sc.2	sc.7		sc.2	sc.7	Corr. Cm.	Magn
2n	4.1 3.8				11.7		3.28	6.43
3n	6.5 6.21				12.9		1.72	7.07
4n	7.7 7.4	7.2	7.45 25 25		F.		0.58	7.98
5n	8.1 7.8	8.3	8.20 1 1		m.s.		-0.20	8.58
6n		9.8					-0.37	8.71
7n		10.7					-1.09	9.36
8n		11.9					-1.42	9.68.
9n		12.6					-1.62	10.03
10n		F.					-1.69	10.16
11n		m.s.					-1.89	10.61
12n		n.s.					-2.01	10.97
4p		10.8					-2.04	11.08
5p		10.8					-2.18	11.54
6p		12.4						
7p		n.s.						
8p		n.s.						
9p		n.s.						
10p								
+87 12	7.0 6.7				13.4			
+88 2	7.7 7.4				F.			
+88 90		9.3						
+88 105	7.9 7.6	7.7	7.80 1 1		m.s.		0.52	8.02
							-0.84	9.11?
							-0.55	8.85
							-0.62	8.93

See p 181

12:50

Wednesday March 3, 1915

Scale R | Series 304. YELLOW

9:16 | MC 6073 | Pole.

P.C.

Cu.	Magn		sc 1	sc 2	sc 2		MC 6079 p194		Diff
3.28	6.43	5	3.4 3.1				2.9	3.15 2 3	3.28
1.70	7.05	6	5.7 5.4				5.0	5.35 3 4	1.63
0.58	7.98	8	7.7 7.4				7.1	7.40 3 3	0.63
-0.05	8.73	9	8.9 8.6	9.1		9.00 1 1	8.55	8.78 22 23	-0.04
-0.19	8.89	10	9.2 8.9	9.3		9.25 0 1	8.90	9.08 17 18	-0.20
-0.70 ~~-1.00~~	7 9.25	11		10.5			10.4	10.45 1 0	-1.09
0.93 ~~-1.43~~	1 9.67	12		11.4			10.8	11.10 3 3	-1.52
1 -1.61	5 10.04	13		11.8			11.5	11.65 2 1	-1.57
1 -1.67	6 10.18	14		12.3	12.4	12.35 1 0	11.35	11.85 50 50	-1.61
3 -1.86	11 10.64	15		12.9	12.7	12.80 1 1	12.20	12.50 30 30	-1.86
-1.50 ~~-2.00~~	14 10.88	16		13.2	13.4	13.30 1 1	12.65	12.98 32 33	-2.04
-1.53 ~~-2.03~~	5 11.29	17		13.4	13.4	13.40 0 0	12.85	13.12 28 27	-2.08
-1.67 ~~-2.17~~	12.05 ~~11.55~~	18		14.0?	13.9	13.95 0 1	13.50	13.72 23 22	-2.16
		19		F.					
		20		m.s.					
		23							
		25							
		26							
		27							
		28							
		29							
		30							
0.51	8.01 +8 15	31	7.8 7.5				p194 7.2	7.50 3 3	
-0.52 ~~-1.02~~	8.93? +.88	80		9.7			10.2?	9.95 3 2	
~~-0.29~~	9.11 +.88	86		9.3			9.5	9.40 1 1	
-0.39	9.16 +.88	115		9.6			9.5	9.55 0 1	

sc 1	sc 2		MC 6079		Diff.
11.7	11.8	11.75 1 0	11.75	11.75 00 00	-5.82
12.8	12.7	12.75 0 1	12.90	12.82 07 08	-5.84
13.6	13.6	13.60 0 0	13.9	13.75 15 15	-5.72
m.s.			F.		

Cu.	Magn
-5.39	6.86
-5.64	7.18
-5.82	7.43

Ch. F. C.

13.6	13.7	13.65 0 1	-5.79	7.86
m.s.				

Wednesday, March 3, 1915.

Scale R

Series 304 - YELLOW

Mc 6073 Pole-

P.C.

Cu.	Magn.		sc.1	sc.2	sc.2	mc 6079 p 195			sc.2	sc.2 p.195			Cu.	Magn	Corr. Cu.	
2.58	6.58	2n	4.1 3.8			3.9	4.00	1 1	11.8	11.7	11.75	0 1	-5.39	6.36	2.62	6.62
1.00	7.55	3n	6.4 6.1			6.7	6.55	2 1	13.21	13.5	13.35	2 1	-5.76	7.59	1.04	7.59
0.44	8.14	4n	7.7 7.4			7.7	7.70	0 0	m.s.	.	.		.	.	4 0.51	1 8.21
0.06	8.58	5n	8.6 8.3	8.3	8.45 21	8.60	8.52	07 08							-0.03	8.49
4 -0.70	2 9.55	6n		10.2		9.10	9.65	55 55							-0.69	8.96
-0.78 ~~-1.28~~	8.82 ~~9.32~~	7n		10.7		10.5	10.60	1 1							-1.19	9.41
1 -1.60	5 10.25	8n		11.7		11.6	11.65	1 0							62 -1.20	10.03
8 -1.85	11.10 ~~10.60~~	9n		12.7		12.2	12.45	3 2							-1.88	10.57
-1.65 ~~-2.15~~	9 11.45	10n		m.s		13.6	13.60	. a							-2.16	11.44
.		11n		m.s.		13.8	13.80	. a							-2.20	11.60
.		12n		m.s.		?	.								.	.
-0.87 ~~-1.37~~	10.05 ~~9.55~~	4s		11.75 10 11.3 11.2		10.6	10.92	33 32							-1.32	9.60
-0.83 ~~-1.33~~	9 9.47	5s		11.00 1 10.9 11.1		10.6	10.80	20 20							-1.28	9.52
8 -1.80	11.00 ~~10.50~~	6s		12.4		12.2	12.30	1 1							-1.83	10.47
-1.65 ~~-2.15~~	9 11.45	7s		m.s.		13.6	13.60	. 00							-2.15	11.45
.	.	8s		m.s.		?	.								.	.
.	.	9s		m.s.		.	.								.	.
0.93	7.63	+87 12	6.7 6.4			6.7	6.70	0 0	13.5	13.6	13.55	1 0	-5.79	7.76	0.96	7.66
0.58	7.78	+88 2	7.7 7.4			7.1	7.40	3 3	.	13.7	13.70	. a	-5.81	7.89	0.58	7.98
-0.36	14 9.86	+88 90	.	9.5		.	9.50	. 0		.	.				-0.60	8.90
32 0.48	8.27	+88 105	8.0 7.7			7.9	7.95	0 1	m.s.?	.					0.29	8.24

Ch. F.C.

Wednesday, March 3, 1915

Scale R WOLLEY Series 30 f YELLOW Copied

	Mc 6074			Nova Aq. No.2		19h -5.0		
						alt. -.01	Corr	
	sc1	sc2	sc2	Cu.	Magn.	sc2 sc2	Cu.	Magn
	5.6							
a	5.3			1.54	7.14	12.2 12.4 12.30 1 1 -5.51 6.79 ~~-1.80 10.50~~	1.60	7.20
b		9.6		-0.40	9.20	n.s.	-0.67	8.93
c		9.6		-0.40	9.20	n.s.	-0.67	8.93
d		10.4		-0.69 ~~-1.19~~	9.71 ~~9.21~~		-1.08	9.32
e		10.7		-0.80 ~~-1.30~~	9.90 ~~9.40~~		-1.22	9.48
f		11.3		-0.99 ~~-1.49~~	9.31 ~~9.81~~		-1.50	9.80
g		10.8		-0.83 ~~-1.33~~	9.97 ~~9.47~~		-1.28	9.52
h		11.5		0 -1.57	10.43 ~~9.93~~		-1.58	9.92
k		12.1		2 -1.74	10.86 ~~10.36~~		-1.70 8	10.40 32
l		11.2 1100 2 2	10.8	-0.90 ~~-1.40~~	10.10 ~~9.60~~		-1.38	9.62
m		12.6 1260 0 0	12.6	3 -1.89	11.21 ~~10.71~~		-1.91	10.69
n		13.5 1355 1 0	13.6	-1.63 ~~-2.15~~	11.92 ~~11.40~~		-2.15	11.40
o		13.7 1380 1 1	13.9				-2.20	11.60
p		n.s.	n.s.					
very ft. q		14.0? 14.00? 0 0	14.0				-2.21	11.79?
r		f.						
s								
t								

Ch. F.C.

Wednesday March 3, 1915 —

Scale R

Series 304. YELLOW

Mc 6075 Nova Aq. No. 1 19 20 0.0

P.C.

alt. +0.3

Ref. Seq. for centre.

Corr Cu.	Magn		sc.1	sc.2	sc.2	Cu.	Magn	sc.2	sc.2					
0.79	7.79	1	7.0 6.7			0.77	7.77	13.5	13.4	13.45 10	-5.77	7.68		
-0.38	8.72	2	9.1 8.8	9.1	9.10 00	-0.19	8.91	f.?	.	.	.	.		
0.52	8.02	3	7.5 7.2			0.52	8.02	13.5	13.6	13.55 10	-5.79	7.76		
-0.40	8.75	4	9.1 8.8	9.2	9.15 10	-0.21	8.94							
-0.22	8.63	5	9.9 8.7	8.7	8.85 21	-0.08	8.77							
-1.50	9.80	6		11.3		-0.99 ~~-1.49~~	10.31 ~~9.81~~							
-1.83	10.47	7		12.3		3 -1.80	11.00 ~~10.50~~							
-1.64	10.06	8		11.7		1 -1.63	5 10.07							
-1.93	10.77	9		12.7		4 -1.91	12 10.79							
-2.11	11.29	10		13.4 13.40 00	13.4	-1.60 ~~-2.10~~	11.80 ~~11.30~~							
-2.20	11.65	11		13.8 13.85 01	13.9									
-2.21	11.69	12		13.8 13.90 21	14.0									
-2.14	11.41	13		13.7 13.55 12	13.4	-1.63 ~~-2.15~~	92 11.~~42~~							
.	.	14		m.s	f.	.	.							
-2.22	11.78	15		f	14.0	.	.							
.	.	16		f.		.	.							
.	.	a	2.8 2.5			.	.	10.7	10.6	10.65 10	.	.		Var. Seq. copied.
0.10	8.35	b	8.4 8.1	8.1	8.25 21	0.19	8.44	f.		.				
-0.15	8.55	c	8.7 8.4	8.7	8.70 00	-0.01	8.69	f.		.				
34 -0.~~40~~	71 ~~64~~ 8.~~66~~	d	9.0 8.7	9.1	9.05 01	-0.18	8.87	f.		.				
-0.44	8.76	e		9.2 v.f.		-0.24	8.96						Ch. F.C.	
									sc.2				Cu.	Magn
-1.13	9.37	f		10.5		-0.73 ~~-1.23~~	7 9.27	m	13.6	-1.64 ~~-2.15~~	96 11.~~45~~		-2.15	11.45
-1.65	10.05	g		11.7		1 -1.63	5 10.07	o	11.8	-1.15 ~~-1.66~~	65 10.~~14~~		-1.69	10.11
-1.54	6 9.84	h		11.4		0 -1.53	10.37 ~~9.87~~	p	13.1	-1.53 ~~-2.03~~	5 11.07		-2.04	11.06
-1.93	10.77	k		12.7		4 -1.92	11.28 ~~10.78~~	q	13.3	-1.58 ~~-2.08~~	11.22		-2.10	11.20
-1.83	10.47	l		12.3		3 -1.80	11.00 10.50	r	m.s.	.	.		.	.
-2.12	11.88	m.		13.5		-1.63 ~~-2.13~~	8 11.37	s	m.s	.	.		.	.
								n t	m.s					

Wednesday March 3, 1915.

Scale R. Series 304 YELLOW Copied

MC 6076 U Sagittae 19 20 + 20°

P.C. Alt. +.10

Corr Cu	Magn		sc.1	sc.2	sc.2	Cu.	Magn	sc2	sc.2			
.	.	a	B.	~~10.8~~		.	.	10.8	10.8	10.80 00	.	.
.	.	b	29 26			3.50	6.40	11.4	11.4	11.40 00	.	.
1.64	7.14	c	55 52			1.60	7.10	12.4	12.5	12.45 01	-5.56	6.89
1.13 poor	7.53	d	6.4 6.1			11 2.60	7.50	12.9	13.2	13.05 12	-5.69	7.36
0.96	7.66	e	6.7 6.4			0.92	7.62	13.* 2.1 not comp.			-5.73	7.47
0.58	7.98	f	7.4 7.1			0.58	7.98	13.4			-5.76	7.64
4 0.~~3~~2	8.12	g	7.7 7.4			0.44	8.14	13.7			-5.81	7.89
0.36	8.16	h	7.8 7.5			3 0.49	8.19 ~~8.29~~	13.8			-5.83	7.97
0.36 poor	8.16	k	7.8 7.5	t.p.		3 0.49	8.19 ~~8.29~~	14.0			,	,
0.24	8.24	l	8.0 7.7	8.0	8.00 00	0.30	8.30	13			.	.
-0.43	8.77	m		9.2		-0.24	8.96					
-1.08	9.32	n		10.4		-0.69 ~~-1.19~~	71 ~~9.21~~					
-1.13	9.37	o		10.5		-0.72 ~~-1.22~~	7 9.28					
-1.19	9.41	p		10.6		-0.77 ~~-1.27~~	8 9.33					
-1.28	9.52	q		10.8	10.80 00 10.8	-0.83 ~~-1.33~~	9 9.47					
-1.52	9.83	r		11.3	11.35 10 11.4	0 -1.50	10.35 ~~9.85~~					
-1.99	10.91	s		12.9	? 12.90 00 12.9?	1.8 ~~-1.37~~	42 ~~11.53~~					
-2.01	10.99	t		13.1	13.00 11 12.9	-1.5~~8~~0 ~~-2.00~~	.50 ~~11.00~~					
-2.21	11.74	u		13.9	13.95 10 14.0	.	.					
2.70	6.60	Var.	39 36			2.66	6.56	11.7			,	,
.	.	w		f.								
.	.	y		n.s.		,						
.	.	z		n.s.		.						

Ch. F. C.

Seq not in centre, so but no reference sequence selected for DM Region as per instructions.

Wednesday March 3, 1915

Scale R　　Series 304 – **YELLOW**　Copied

MC 6077　　R Cygni　19 30 +50°

alt. +12

off plate.

	sc.1	sc.2	sc.2	Corr Cu.	Magn	P.C. sc.2				
a										
b	7.1 6.8					10.6	10.6	10.60 0 0		
c	2.9 2.6			3.50	6.40	11.3	11.2	11.25 1 0	~~-1.48~~	
d	3.3 3.0			3.15	6.45	11.5	11.6	11.55 1 0		
e	t.p.			q		11.8	12.1 scr.	11.95 2 1	-5.43	6.52
f	4.8 4.5			5 2.03	5 6.83	12.2	12.4	12.30 1 1	-5.52	6.78
g	5.4 5.1			70 1.66	10 7.06	12.5			-5.57	6.93
h	5.6 5.3			1.60 ~~1.54~~	20 7.xx	12.8			-5.64	7.16
k	6.8 6.5			90 0.88	90 7.88	13.8			-5.83	7.97
l	7.4 7.1			0.58	7.98	m.s.				
m	8.4 8.1	8.1	8.25 2 1	10 0.x9	35 8.xx					
n	8.7 8.4	8.6	8.65 1 0	-10 0.0x	55 8.66					
o		10.15 0 1 10.2	10.1	-0.96 ~~-0.60~~ ~~1.10~~	5 9.19 ~~9.05~~					
p		10.55 1 0 10.5	10.6	-1.16 ~~-0.74~~ ~~-1.24~~	8 9.39 9.3x					
q		11.70 0 0 11.7	11.7	x-1.64 -x.63	5 10.06 x0.0x					
r		11.90 0 0 11.9	11.9	x-1.70 -x.6x	7 10.20					
s		12.50 1 1 12.6	12.4	8-1.89 -x.86	11 10.61 x0.64					
t		f.	f.							
u		m.s.								
v		m.s.								
x		m.s.								
y		m.s.								
Var		12.5		8-1.89 -x.86	11 10.61 x4.64					

Ch. F. C.

Wednesday, March 3, 1915.

Scale R. [illegible] Series 304– YELLOW Copied.

MC 6078 | V Delphini. 20 40 + 20

P.C. Alt. +11

		sc.1	sc.2	sc.2		Cu.	sc.	sc.	Corr. Cu.	Magn.
	a		9.3			-0.27	9.03		-0.50	8.80
	b		9.1			-0.20	8.90		-0.38	8.72
	c		10.1			-0.58 ~~-1.08~~	5 9.62		-0.94	9.16
	d		10.4			-0.69 ~~-1.19~~	7 9.21		-1.08	9.32
	e		10.4			-0.69 ~~-1.19~~	7 9.21		-1.08	9.32
	e'		11.2			-0.96 ~~-1.48~~	10.24 ~~9.72~~		-1.48	9.72
	f		10.1			-0.58 ~~-1.08~~	5 9.62		-0.94	9.16
	g		11.4			-1.12 ~~-1.53~~	10.28 ~~9.37~~		-1.54	9.86
	h		11.8			-1.15 ~~-1.66~~	65 ~~10.14~~		-1.68	10.12
	k		12.2			-1.28 ~~-1.79~~	92 10.41		-1.81	10.39
	l		12.3			3 -1.80	11.00 ~~10.50~~		-1.84	10.46
	m		12.2			-1.28 ~~-1.79~~	92 10.41		-1.81	10.39
	n		12.7	12.8	12.75 1.0	4 -1.93	1.3 10.82		5 -1.97	10.80
	n'		12.6	12.8	12.70 1.1	4 -1.91	11.29 ~~10.79~~		-1.94	10.76
	o		13.8	13.6	13.70 1.1	-1.67 ~~-2.17~~	12.03 ~~11.53~~		-2.18	11.52
	p		12.5	12.7	12.60 1.1	3 -1.89	11.21 ~~10.71~~		-1.91	10.69
	p'		13.1	13.2	13.15 1.0	-1.54 ~~-2.05~~	61 11.10		-2.07	11.08
	p²		13.2	13.0	13.10 1.1	-1.53 ~~-2.03~~	5 11.07		-2.05	11.05
poor	Var.		12.2	12.4	12.30 1.1	3 -1.80	11.00 10.50		-1.83	10.47
	q		m.s.							
	q'		m.s.							
	r		m.s.							
	s		m.s.							
11:19	t									

Ch. F.C.

Wednesday Mar. 3, 1915

Scale R

Series 304 - YELLOW

12:20	Mc6079			Pole-	P.C		
	sc.1	sc.2	sc.2		sc.2	sc.2	
5	7.9 2.6				11.6	11.9	11.75 2
6	5.0 4.1				12.9	12.9	12.90 00
8	7.1 6.8				13.9		
9	8.7 8.4	8.4		8.55 12	f.		
10	9.0 8.7	8.8		8.90 11			
11		10.4					
12		10.8					
13		11.5					
14		11.3	11.4	11.35 10			
15		12.2	12.2	12.20 00			
16		12.6	12.7	12.65 01			
17		12.8 12.7	12.9	12.85 01			
18		13.5	13.5	13.50 00			
19		f.	f.				
21		m.s.					
+87 15	7.2 6.9				13.7		
+88 80		10.2?			m.s.		
+88 86		9.5					
+88 115		9.5					

Cole P.C

See p. 188

Wednesday March 3, 1915

Scale R.

Series 304 – YELLOW

	MC 6079			Pole	cont.
					P.C.
	sc.1	sc.2	sc.2		sc.2
2r	3.9 36				11.7
3r	6.7 6.4				13.5?
4r	7.7 7.4				
5r	8.6 8.3	8.6	8.6000		
6r	9.1 8.8	9.1	9.1000		
7r		10.5-			
8r		11.6			
9r		12.2			
10r		13.6			
11r		13.8			
12r		f.			
4r		10.6			
5r		10.6			
6r		12.2			
7r		13.6			
8r		f			
9r		m.s.			
+87 12	6.7 6.4				13.6
+88 2	7.1 6.8				13.7
+88 9o					
+88 105	7.9 7.6				

Ch. F. C.

See p. 187

12:35

Friday, March 5, 1915.

Scale R — Series 346. YELLOW

1:30 — Mc 6565 — Pole.

Curve		Magn		SC.1	SC.2	SC.?	Mc 6570 p201		Diff	P.C. SC.2	SC.?		6570 p201		Curve
4.54	Image poor	6.44	5	B.			→	1.9 1.90 : a	4.53	10.1	10.1	10.70 0 0	10.55	10.62 08 07 −4.19	−4.17
3.24		6.99	6	3.8 3.5				3.7 3.75 0 1	3.23	11.4	11.6	11.50 1 1	11.40	11.45 05 05 −4.47	−4.41
1.62	" poor	8.07	8	6.6 6.3				6.3 6.45 2 1	1.58	12.8	12.8	12.80 0 0	12.40	12.60 20 20 −4.57	−4.63
0.82		8.77	9	8.2 7.9 8.5	8.2		8.20 0 0	7.7 7.95 25 25	0.79	13.4	13.4	13.40 0 0	13.35	13.38 02 03 −4.64	−4.74
0.70		8.88	10	8.2	8.3		8.40 1 1	7.95 8.18 22 23	0.70	14.0	13.9	13.95 0 1	13.5	13.72 23 22 −4.84	−4.79
0.24		9.36	11		9.3			8.95 9.12 18 17	0.24						
0.02		9.62	12		9.7			9.5 9.60 1 1	−0.02						
−0.32		10.08	13		10.4			10.4 10.40 0 0	−0.32						
−0.43		10.17	14		10.7			10.5 10.60 1 1	−0.36						
−0.79		10.71	15		11.5			11.5 11.50 0 0	−0.86						
−0.94		10.94	16		12.0	12.2	12.10 1 1	11.65 11.88 22 23	−0.94						
−0.94		10.94	17		12.1	12.2	12.15 1 0	11.60 11.88 27 28	−0.84						
−1.23		11.62	18		12.8	12.8	12.80 0 0	12.90 12.85 05 05	−1.29						
−1.31		11.94	19		13.3	13.3	13.30 0 0	13.20 13.25 05 05	−1.31						
−1.36		12.02	20		13.4	13.3	13.35 0 1	13.40 13.38 03 02	−1.19						
			21		t.p.										
			22		t.p.										
			23		t.p.										

Curve		Magn			SC.1	SC.2					Cu.	Magn
1.49	poor	8.19 ?	+87	15	6.7 6.4 ?		? 6.70 a . 1.2	12.6	12.5	12.55 0 1	−4.62	7.93
0.43		9.13	+88	80	t.p.		8.7 8.70 . a	13.5	F 13.6	13.58 a 7	−4.76	8.74
0.53		9.03	+88	86	8.6 8.3		8.4 8.50 1 1	f.	Ch. F.C.	13.60 7 a	−4.78	8.82
0.50		9.05 2	+88	115	8.6 8.3 8.55	0 1 8.5	8.5 8.55 05 05 2 3 02		13.5	13.50 . a	−4.76	8.74
				24		~~t.p.~~ n.s.						
				25		n.s.						
				26		n.s.			Ch. F.C.			

Friday March 5, 1915 -

Scale R Series 346. YELLOW

MC 6565 Pole -

Magn.		sc.1	sc.2		MC 6570 p.202		sc.2	MC 6570 p.202		Cu.	Magn.	Cu.	Magn.
6.45	2n	3.0 2.7			B	3.00 a :	10.5	10.5	10.50 0 0	.	.	3.76	6.76
7.04	3n	4.7 4.4			9	4.70 a :	12.3	12.3	12.30 0 0	-458	7.72	2.66	7.36
7.97	4n	6.8 6.5			6.7	6.75 0 1	12.8	12.7	12.75 0 1	-466	8.09	1.46	8.21
8.64	5n	7.8 7.5			7.7	7.75 0 1	13.4	13.3	13.35 0 1	-473	8.62	0.92	8.67
8.93	6n	8.7 8.4	8.5	8.60 1 1	8.45	8.52 08 07	13.7? poor.		? 13.70 a :	-479	? 8.91	0.52	9.04
	7n		9.6		9.6	9.60 0 0						0.02	9.62
	8n		10.7		10.5	10.60 1 1						-0.42	10.18
	9n		11.6		11.4	11.50 1 1						-0.79	10.71
	10n		13.3		12.7	13.00 3 3						-1.27	11.73
	11n		9 12.8		12.7	12.80 1 1						-1.22	11.58
very poor	12n		13.4?		13.4	? 13.40 0 0						-1.36	12.04?
	4s	o	9.8		9.6	9.70 1 1						-0.02	9.68
	5s		10.3		9.8	10.05 3 2						-0.16	9.89
	6s		11.3		10.8	11.05 3 2						-0.61	10.44
	7s		12.8		12.7	12.75 0 1						-1.20	11.55
	8s		m.s.		7	.							.
	9s		m.s.		7	.							.
	10s		m.s.		ns	.							.
	+87 12	6.1 5.8			5.7	5.90 2 2	12.5	12.3	12.40 1 1	-460	7.80	1.93	7.83
	+88 2	6.6 6.3			6.4	6.50 1 1	12.8	12.6	12.70 1 1	-465	8.05	1.60	8.10
	+88 90	8.5 8.2	8.3	8.40 1 1	8.1	8.25 15 15 ~~8.30 2 0 2~~	14.0?	13.4	2 13.70 3 3	-479	? 8.91	7 0.6~~2~~	8.92
	+88 105	7.3 7.0			6.6	6.95 3 4	13.3	13.1	13.20 1 1	-471	8.49	1.34	8.29

Ch. F. C.

Friday March 5, 1915

Card.

Scale R

Series 346 – YELLOW

		Mc 6566			U Cephei			0 + 80°					
								P.C.				alt. +.06	
Ref. Seq. for		sc.1	sc.2	sc.2		Curve	Magn	sc.2	sc.2		Cu.	Magn	
Centre	1	8.7 8.4	8.6		865 10	0.46	9.11	13.8	13.8	1380 00	–4.80	9.00	
	2	8.9 8.6	8.8		885 10	0.36	9.21	13.9	13.9	1390 00	–4.80	9.10	
	3		9.5			0.07	9.57						
	4		11.1			–0.64	10.46						
	5		10.4			–0.32	10.08						
	6		10.6			–0.42	10.18						
	7		12.2			–1.05	11.15						
	8		12.6	12.7	1265 01	–1.18	11.47						
	9		def?	def?	.	.	.						
	10		12.6	12.6	1260 00	–1.17	11.43						
very poor	11		13.4?	13.4?	1340? 00	–1.36	12.04?						
	12		13.7	13.8	1375 10	–1.43	12.32						
	13		f		.	.	.						
	14		m.s.		.	.	.						
	15		m.s.		.	.	.						
	16		m.s.		.	.	.						
Seq. for Var. (off plate)	α	.			.			.					
"	b'	.			.			.					Var. Seq. copied.
"	c'	.			.			.					
	β	B.			.			10.4			.	.	ch. P.C
	a	15 1.2			.			10.8			–4.25	6.55	
	b	t.f.			.			10.8			–4.25	6.55	
	c	t.f.			.			11.7			–4.47	7.23	
near edge.	d	t.f.			.			12.5			–4.61	7.89	
	d'	6.7 6.4			670 0 .	1.49	8.19	12.8			–4.66	8.14	

Seq. for Var. is in corner of plate

Friday March 5, 1915.

Card.

Scale R. Series 346 – YELLOW Copied

Me 6566 cont.

P.C. alt. +.06

		sc. 1	sc. 2		Curve.	Magn	sc. 2		
Var. Seq.	e	5.6 5.3	.		2.09	7.69	12.7	– 4.64	8.06
	f	6.8 6.5			1.43	8.23	3 12.2	7 – 4.61	4 8.59
	g	t.p.			q	.	13.4	–4.74	8.66
poor.	h	7.4? 7.1?			1.10	8.50	13.2	–4.61	8.59
	h'	9	9.3		0.14	9.44	f.	,	,
	k	8.4 8.1	8.2	8.30 1 1	0.62	8.92	13.7	–4.79	8.91
	l	8.7 8.4	8.5	8.60 1 1	0.48	9.08	f.	,	,
	m		10.1		–0.20	9.90			
	m'		t.p.		q.	q.			
	n		10.7		–0.46	10.24			
	o		11.4		–0.77	10.63			
	p		11.5		–0.79	10.71			
	q		11.7		–0.87	10.83			
	r		11.8		–0.91	10.89			
	t		12.2		–1.04	11.16			
	u		13.2		–1.30	11.90			
	s		12.5		–1.13	11.37			
	w		13.5		–1.37	12.13			
	x		f.			,			
	y		f.			,			
	z		f.			..			
	y'		m s.			..			
	Var	8.1 7.8			0.74	8.84	13.8	4.80	9.00

Ch. F. C.

Friday March 5, 1915

Card.

Scale R

Series 346. YELLOW

Copied

MC 6568 S Androm.

								Rc.		alt. +13		
		sc.1	sc.2	sc.2		Cu.	Magn	sc.2	sc.2		Cu	Magn
	1	B.						129	~~12.7~~ 130	1295 10	-468	827
	2	7.8 7.5				090	8.70	13.1	12.7? poor.	1290 22	-467	8.23?
	3	7.9 7.6				084	8.74	13.5	13.5	1350 00	-477	8.73
	4	8.6 8.3	8.4		50 11 835 22	0.52	9.02	t.fn.				
	5		9.4			0.11	5 9.81	f.				
	6	8.5 8.2	8.2		835 12	0.60	8.95	def?				
	7		10.4			-0.32	10.08					
	8		9.8			-0.08	9.72					
	9		10.4			-0.32	10.08					
	10		11.6			-0.84	10.76					
	11		12.2	12.1	1215 01	-101	11.14					
	12		11.3	11.4	1135 10	-073	10.62					
	13		12.0	12.1	1205 01	-100	11.05					
	14		13.2	13.4	1330 11	-133	11.97					
	15		13.4	13.4	1340 00	-136	12.04					
	16		m.s.									
poor	17		13.4?			-136	12.04?					
	18		m.s.									
	19		m.s.									

Ch. F. C.

Friday March 5, 1915 –

Scale R7 .

Series 346 – YELLOW

		MC6570			Pole –	Q.C.		
		sc.1	sc.2	sc.2		sc.2	sc.2	
	5	19 1.6				10.5	10.6	10.55 10
	6	3.7 3.4				11.4	11.4	11.40 00
	8	6.3 6.0				12.4	12.4	12.40 00
	9	7.7 7.4				13.3	13.4	13.35 10
	10	7.9 7.6	8.0		7.95 10	13.5		
	11	9.0 8.7	8.9		8.95 01			
	12		9.5					
	13		10.4					
	14		10.5					
	15		11.5					
	16		11.7	11.6	11.65 10			
	17		11.6	11.6	11.60 00			
	18		12.9	12.9	12.90 00			
	19		13.2	13.2	13.20 00			
	20		13.4	13.4	13.40 00			
	21							
	22							
	23							
	24							
	25							
+87	15	t.f.				12.5		Ch. F.C.
+88	80	8.7 8.4				f.		
+88	86	8.4 8.1				13.6		
+88	115	8.5 8.2				13.5		

See p. 196

Friday March 5, 1915.

Scale R

Series 346. YELLOW

	MC 6570			Pole cont		
	sc.1	sc.2	sc 2		Q.C. sc 2	sc 2
2r	B.				10.5	
3r	t.fr.				12.3	
4r	6.7 6.4				12.7	
5r	7.7 7.4				13.3	
6r	8.5 8.2	8.4	8.45 ; 0			
7r		9.6				
8r		10.5				
9r		11.4				
10r		12.7				
11r		12.7				
12r		13.4				
4s		9.6				
5s		9.8				
6s		10.8				
7s		12.7				
8s		f				
9s		f				
10s		m.s.				
+87 12	5.7 5.4					12.3
+88 21	6.4 6.1					12.6
+88 90	8.1 7.8.					13.4
+88 105	6.6 6.3					13.1

Interrupted here. W

Sep 19?

3.05

Saturday March 6, 1915

Scale R

Series 346 - YELLOW

9:15 MC 6570 Pole -

P.C.

			Sc.1	Sc.2	Sc.2			MC 6576 p.208		Diff	Sc.2	Sc.2			MC 6576				Cu.	Magn.
4.20	6.45	5	20 1.7					2.5	41 3 2.25	4.18	10.4	10.6	10.50	11	10.80	10.65	15 15	-4.22	3 -4.28	42 6.37
3.58	6.98	6	34 3.1					q	02 3.40	3.58	11.3	11.5	11.40	11	11.40	11.40	00 00	-4.42	-4.42	6.98
1.68	8.03	8	63 6.0					6.4	10 6.35	1.68	12.4	12.6	12.50	11	12.75	12.62	12 13	-4.59	-4.58	8.04
0.89	8.74	9	7.7 7.4					8.0	12 7.85	0.89	13.3	13.4	13.35	10	13.40	13.38	03 02	-4.64	-4.59	8.79
0.76	8.81	10	80 7.7	7.8		7.90	11	8.20	12 8.05	0.83	13.4	13.5	13.45	01	13.45	13.45	00 00	-4.57	-4.60	8.85
0.13	9.43	11		9.1				9.5	22 9.30	0.06	f.		.		.	.		.		.
-0.01	9.64	12		9.7				9.6	10 9.65	-0.07										
-0.32	10.13	13		10.4				10.5	01 10.45	-0.37										
-0.32	10.13	14		10.4				10.5	01 10.45	-0.21										
-0.69	10.86	15		11.5				11.6	10 11.55	-0.91										
-0.73	10.97	16		11.8	11.6	11.70	11	def.	02 11.70	-0.76										
-0.71	10.94	17		11.7	1 12.6	11.65	10	11.65	00 00 11.65	-0.61										
-0.98	11.62	18		12.7	12.8	12.75	10	12.45	15 15 12.60	-1.04										
-1.02	11.80	19		13.2	12.8	13.00	22	12.65	18 17 12.82	-0.88										
-1.13	12.19	20		13.4	13.4	13.40	00	13.25	08 07 13.32	-1.13										
-1.17	12.28	21		13.4	13.3	13.35	01	13.55	10 10 13.45	-1.18										
-1.25	12.55?	22		13.8?	13.8?	? 13.80	00	,	02 13.80?	-1.31										
-1.26	12.64?	23		13.9	13.9?	? 13.90	00	.	02 13.90?	-1.14										
		24 25		f m.s.	f m.s.	.		.	.											
	+87	15	t.p.					.	.		12.5				12.2?	12.35	1 2	-4.55	7.80	
	+88	80	t.p.					.	.		13.8				q	13.80	a	.	.	
094	864?																			
Im. very poor.	+88	86	7.7?					.		~~094~~					13.5	13.50	a	-4.60	8.90	
049	~~904~~ +88	115	8.3					8.8?	32 8.55	~~049~~	13.8				f	13.80	a	.	.	

Ch. P.C.

1'

Saturday March 6, 1915.

Scale R

Series 346 - YELLOW

			Me 6570			cont Pole				P.C					
			sc1	sc.2	sc2	mc 6576 p.209				sc2	mc 6576 p.209				
3.84	6.79	2N	2.4 2.1			? 3.5	2.95	6	5	10.6	10.6	10.60	00	-4.23	6.37
.	.	3N	t.p.			t.p.	.			12.3	12.1	12.20	11	-4.54	7.66
1.28	8.33	4N	6.6 6.3			7.5	7.05	4	5	12.7	13.0	12.85	12	-4.58	8.27
1.06	8.51	5N	7.1 6.8			7.8	7.45	3	4	13.2	13.1	13.15	01	-4.60	8.55
0.56	8.98	6N	8.4 8.1	8.4	8.40 00	8.45	8.42	02	03		13.8	13.80	. a	-4.60 ?	9.20?
-0.01	9.64	7N		9.6		9.7	9.65	0	1						
-0.38	10.22	8N		10.6		10.6	10.60	0	0						
-0.61	10.69	9N		11.4		11.2	11.30	1	1						
-1.03	11.82	10N		13.2		12.5	12.85	4	3						
-0.98	11.67	11N		12.7		12.6	12.65	1	0						
-1.14	12.21	12N		13.4		13.3	13.35	0	1						
0.04	9.54	4s		9.5		9.5	9.50	0	0						
-0.18	9.87	5s		10.2		9.9	10.05	2	1						
-0.53	10.47	6s		11.3		10.7	11.00	3	3						
-1.02	11.78	7s		12.6		13.0	12.80	2	2						
.	.	8s		f		n.s	.								
.	.	9s		n.s.		n.s	.								
.	.	10s		n.s.		n.s	.								
.	.	11s		n.s.			.								
.	.	+87 12	t.p.			t.p.	.			12.4	12.5	12.45	01	-4.54	7.91
1.64	~~7.84~~ 8.04	+88 2	6.2 5.9			6.6	6.40	2	2	12.6	12.4	12.50	11	-4.57	7.93
0.66	8.91	+88 90	8.0 7.7			8.5	8.25	2	3	13.3	dif.	13.30	a dif	-4.60	9.70
1.38	8.28	+88 105	6.9 6.6			t.p.	6.90	a	.	12.8	13.1	12.95	21	-4.60	8.85

Sch. F.C.

Saturday March 6, 1915.

Card.

Scale R

Series 346. YELLOW

Mc 6571 U Cassiop. 0h 36 +47.5

Pc. Alt. +13

		sc.1	sc.2	sc.2		Cw.		sc.1	sc.2	sc.2			
Ref. Seq. for Centre	1	B.				.		9.1 8.8	9.2		9.15 10	.	.
	2	t|.				.			11.6	11.7	11.65 01	-4.48	7.17
	3	5.8 5.5				2.01	7.81		12.3	12.3	12.30 00	-4.55	7.75
	4	7.6 7.3				0.98	8.58		13.3	13.4	13.35 10	-4.60	8.75
	5	7.8 7.5	7.8		7.80 00	0.90	8.70		13.4	13.4	13.40 00	-4.60	8.80
	6	9.1 8.8	9.3		9.20 11	0.18	9.38						
	7		10.1			-0.19	9.91						
	8		10.6	10.6	10.60 00	-0.39	10.21						
	9		11.4	11.4	11.40 00	-0.64	10.76						
	10		11.6	11.6	11.60 00	-0.70	10.90						
	11		12.2	12.3	12.25 01	-0.88	11.37						
	12		13.4	13.4	13.40 00	-1.16	12.24						

ch. F.C

Saturday March 6, 1915.

Card.

Scale R.

Series 346 – YELLOW Copied

		Mc 6573			B1		1 .20 +45°					
							O.c.				Alt +13	
		sc.1	sc.2	sc.2	Cu.	Magn	sc.r	sc.r			Cu.	Magn.
	1	t.p.					11.6	11.6	11.60	00	-4.47	7.13
near edge	2	t.p.					11.7	11.6	11.65	10	-4.47	7.18
" "	3	t.p.					10.6	10.6	10.60	00	-4.23	6.37
" "	4	t.p.					12.2	12.1	12.15	01	-4.54	7.61
	5	6.6 6.3			1.52	8.12	12.4	12.5	12.45	01	-4.57	7.88
	6	6.9 6.6			1.37	8.27	sup? ~~12.1~~					
	7	7.1 6.8			1.25	8.35	12.6				-4.58	8.02
	8	5.7 5.4			2.08	7.78	11.6				-4.47	7.13
	8a	7.9 7.6			0.86	8.76	12.9				-4.59	8.31
	9	7.9 7.6			0.86	8.76	13.2				-4.60	8.60
close double.	10		9.8 ? 11.5 ?				n.s.					
	11	7.1 6.8			1.25	8.35	12.5				-4.57	7.93
	12	8.7 8.4	7 8.4	8.70 00	0.42	9.12	13.5				-4.60	8.90
	13	7.7 7.4	7.2	7.45 32	1.08	8.53	12.8				-4.58	8.22
	14	8.0 7.7	8.1	8.05 01	0.76	8.81	13.4?				-4.60	8.80?
	15		9.2		0.19	9.39						
	16		10.6		-0.38 ~~0.61~~	10.22 ~~11.2x~~						
	17		9.6		0.00	9.60						
	18		11.2		-0.59	61 10.79						
	19		11.4		-0.64	10.76						
	20		11.3		-0.61	10.69					ch. F. C.	
	21		9.5		0.03	9.53						
	22		11.7		-0.73	10.97						
	23		11.8		-0.78	11.02						
	23a		12.3		-0.89	11.41						

All images on this plate are hazy, making comparison with scale difficult

Saturday March 6, 1915

Scale R | Series 346. YELLOW | Copied.

MC 6573 | B1 cont.

alt. +13

	sc 2	sc 2			
24	12.5	12.5	12.50	-0.94	11.56
25	12.8			-1.02	11.78
26	12.5			-0.94	11.56
26a	13.4	13.4	13.40	-1.16	12.24
26b	12.5	12.5	12.50	-0.94	11.56
27	13.3	13.4	13.35	-1.14	12.21
28	12.9	13.0	12.95	-1.06	11.89
29	13.8	13.9	13.85	-1.26	12.59
30	m.s.				
31	m.s.				
32	m.s.				

Ch. F. C.

Saturday March 6, 1915-

Scale R

Series 346 - YELLOW

		MC 8 6576			Pole-	P.C.			
		sc.1	sc.2	sc.2		sc.2	sc.2		
	5	8.5 2.2				10.8	10.8	10.80 0 0	
	6	t.p.				11.4	11.4	11.40 0 0	
poor	8	6.4 6.1				12.8	12.9	12.75 0 1	
	9	8.0 7.7				13.4	13.4	13.40 0 0	
"	10	8.3 8.0	8.1		8.20 1 1	13.4	13.5	13.45 0 1	
	11		9.5						
	12		9.6						
	13		10.5						
	14		10.5						
	15		11.6						
	16		def.						
	17		11.7	11.6	11.65 1 0				
	18		12.4	12.5	12.45 0 1				
	19		12.7	12.6	12.65 1 0				
	20		13.4	13.1	13.25 2 1				
	21		13.6	13.5	13.55 0 1				
	22		f						
	23		f						
	24		n.s						
	25		n.s.						
	26								leh. P.C.
	+87 15	t.p.				12.2?			
	+88 80	tp				tp.			
	+88 86	tp.				13.5			
poor.	+88 115	8.8? 8.5?				f.			

Sept. 203

Plate is "badly fogged" and plate is covered with defects-

Saturday March 6, 1915.

Scale 12

Series 846 — YELLOW

	MC 6576		cont	Pole —
				P.C.
	sc. 1	sc 2		sc 2
2r	3.5 3.2? poor			10.6?
3r	t.p.			12.1
4r	4.5 4.2			13.0
5r	7.8 7.5			13.1
6r	8.5 8.2	8.4 8.45 10		13.8
7r		9.7		
8r		10.6		
9r		11.2		
10r		12.5		
11r		12.6		
12r		13.3		
4s		9.5		
5s		9.9		
6s		10.7		
7s		13.0		
8s		n.s.		
9s		n.s.		
10s		n.s.		
+87 12	t.p.			12.5
+88 2	6.6 6.3			12.4
+88 90	8.5 8.2			def.
+88 105	t.p.			13.1

See p. 204