KG
11365
994

KG 11365.994

Series reductions in this book as far as page 28 are made with magns. on scale of HC 170.

Magns. depending on scale readings 9.7 and fainter (13.7 and fainter for scale R) have been underlined in this book and wherever copied. October 27, 1914.

KG 11365.994

HARVARD
UNIVERSITY
LIBRARY
JUL 17 1956

Series 154

Sell 4178–4189

S December 30, 1913 S

9 45

MC4178 Pole OC

	Sc 1	Sc 2	Sc 3	MC4183	Mean			Diff.	OC Sc 2		MC4183	Mean			Diff.
5									5.5		5.4	5.45	1	0	0.94
6									6.2		6.1	6.15	0	1	0.83
8									7.0		6.9	6.95	0	1	1.15
9									7.7	:	7.4	7.55	1	2	1.15
10	4.6			4.3	4.45	2	1 ~~2~~	4.44 ~~4.94~~	7.9 ~~8.3~~		7.7	7.80	1	1	1.09
11	4.9			5.0 ~~4.3~~	4.95	1	0	4.47	$\overset{3}{8.7}$		8.1	8.20	1	1	1.22
12		5.2		5.4	5.30	1	1	4.43	8.7		8.5	8.60	1	1	1.13
13		5.6		5.7	5.65	0	1	4.62	9.20 9.2	0 0 9.2 9.0	8.8	9.00	20	20	1.17
14		5.8		6.05	$5.9\overset{2}{8}$	12	13	4.60	9.50 9.5	00 9.5 9.3	9.10	9.30	20	20	1.22
15		6.2		6.4	6.30	1	1	4.64	9.85 9.8	0 9.9 9.7	9.40	9.62	23	22	1.32
16		6.5		6.7	$6.6\overset{0}{5}$	1	1	4.66			9.70	9.70	·	a	1.56
17		6.7		6.9	6.80	1	1	4.69			9.95	9.95	·	a	1.54
18		7.0		7.3	7.15	2	1	4.77							
19		7.2		7.6	7.40	2	2	4.88							
20		7.5		7.9	7.70	2	2	4.89							
23		7.9		8.3	8.10	2	2	5.10							
25		8.2		8.7	8.45	2	3	5.28							
26		8.6		9.00	8.80	2	2	5.39							
27		9.05 9.0	0 9.1 8.9	9.15	9.10	05	05	5.45							
28		9.45 9.5	0 9.4 9.2	9.45	9.45	00	00	5.52							
29		9.90 9.9	00 9.9 9.7	9.90	9.90	00	00	5.62							

$-\overset{2}{4}2$	33
6	6
−.04	+.06
8	7
5	5
−.16	+.14
65	75
6	6
−.11	+.12
17)−1.67	17)1.78
−.10	+.10

$\overset{2}{4}$	4
	4
+.05	−.10
50	50
4	4
+.12	−.12
1	2
3	3
+.03	−.07
4	5
4	4
+.10	−.12
63	62
3	3
+.21	−.21
113	132
10	10
+.11	−.13

copied.

Sell Copied Card. Series 154

S December 30, 1913 S

MC 4179 68 K

	Sc 1	Sc 2	Sc 3	Curve	Magn.	alt. +.17
1	3.2					
2	4.0			4.38	8.38	.51
3	4.3			4.40	8.70	.83
4	4.6			4.42	9.02	.15
5		5.3		4.45	9.75	.88
6		6.3		4.61	10.91	11.08
7		6.7		4.68	11.38	52
8		7.2		4.78	11.98	12.12
9		7.7		4.94	12.64	.78
10		8.1		5.08	13.18	.32
11		8.5		5.22	13.72	.86
12		8.7		5.30	14.00	.14
13		8.9		5.35	14.25	.39
14		9.30 9.3	9.3 9.1	5.47	14.77	.91
15		9.50 9.5	9.5 9.3	5.53	15.03	.17

PC

		Curve	Magn.	
6.1		0.97	7.07	.20
6.9		1.03	7.93	8.06
7.3		1.15	8.45	.58
7.9		1.22	9.12	.25
9.0	9.00 9.0 8.8	1.24	10.24	.37

Copied. Series 154

Card.

Bell S December 30, 1913 S

MC 4180 116 K alt. -18

	Se 1	Se 2	Se 3 Curve	Magn.	
1	4.1		4.39	8.49	62
2	4.1		4.41	9.11	.24
3		5.1	4 4.45	9.54	.67
4		5.1	4.44	9.54	.67
5		6.1	4.57	10.67	.80
6		6.6	4.66	11.26	.40
7		7.1	4.76	11.86	12.00
8		7.8	4.97	12.77	.91
9		8.2	5.12	13.32	.46
10		8.5	5.24	13.74	.88
11		8.8	5.32	14.12	.26
12		9.1000 9.1 9.1 8.9	5.41	14.51	65
13		9.4000 9.4 9.4 9.2	5.49	14.89	15.03
14		9.20 00 9.2 9.2 9.0	5.44	14.64	.78
15		9.45 i 6 9.4 9.5 9.2	5.50	14.95	15.09

	Curve	Magn.	
7.2	1.06	8.26	39
7.8	1.12	8.92	9.05
8.7	1.20	9.90	10.03
8.7	1.20	9.90	10.03
9.90 9.9 9.9 9.7	1.46	11.36	* 50

Copied. Series 154

Card.

Dell S December 30, 1913 S

MC 481 44K alt. +.221 BC

	Sc1	Sc2	Sc3 Curve	Magn.
1	4.2		4.40	.73 8.60
2	4.3		4.40	.83 8.70
3	4.8		4.42	.35 9.22
4	~~5.0~~	5.0	4.43	.56 9.43
5		5.2	4.44	.77 9.64
6		5.7	4.50 5.	.33 10.20
7		5.9	4.53	.56 10.43
8		6.2	4.59	.92 10.79
9		6.3	4.61	11.05 10.91
10		6.7	4.68	.52 11.38
11		6.9	4.72	.76 11.62
12		7.1	4.76	12.00 11.86
13		7.3	4.81	.25 12.11
14		7.5	4.87	.51 12.37
15		8.1	5.08	.32 13.18
16		8.7	5.30	.14 14.00
17		9.45 9.5	1.0 9.4 9.2 5.50	15.09 14.95

		Curve	Magn.
7.3		1.07	.50 8.37
7.5		1.08	.71 8.58
8.1		1.13	.36 9.23
8.3		1.15	.58 9.45
Im. sup.			
9.70 00 9.7	9.7 9.5	1.40	.24 11.10
9.9000 9.9	9.9 9.7	1.46	.50 11.36

copied.

Series 154

Bell

S December 30, 1913 S:

MC 4182	117 K					BC	alt. -18	
	Se1	Se2	Se3	Curve	Magn.		Curve	Magn.
1	4.1			4.39	8.49	7.1	1.05	8.15
2		5.0		4.44	9.44	8.2	1.14	9.34
3		5.2		4.44	9.64	8.7	1.20	9.90
4		5.4		4.46	9.86	8.9	1.22	10.12
5		6.1		4.57	10.67			
6		6.2		4.59	10.79			
7		6.7		4.68	11.38			
8		7.2		4.78	11.98			
9		7.2		4.78	11.98			
10		7.4		4.84	12.24			
11		8.0		5.04	13.04			
12		8.3		5.16	13.46			
13		9.00 9.0	00 9.0 8.8	5.38	14.38			
14		9.25 9.2	01 9.3 9.1	5.45	14.70			
15		9.30 9.3	00 9.3 9.1	5.47	14.77			

Reject.
Wrong Sequence measured.

Images poor. Slightly elongated.

Series 154

Dell

December 30, 1913

MC 4183 Ode.			OC
5			5.4
6			6.1
8			6.9
9			7.4
10	4.3		7.7
11		5.0	8.1
12		5.4	8.5
13		5.7	8.8
14	6.0	605 0 1 6.1	9.10 00 9.1 9.1 8.9
15		6.4	9.40 0 0 9.4 9.4 9.2
16		6.7	9.70 00 9.7 9.7 9.5
17		6.9	9.95 1 0 10.0 9.9 9.8
18		7.3	
19	~~7.6~~	7.6	
20		7.9	
23		8.3	
25		8.7	
26		9.00 00 9.0 9.0 8.8	
27		9.15 0 1 9.1 9.2 8.9	
28		9.45 1 0 9.4 9.5 9.2	
29		9.90 0 0 9.9 9.9 9.7	
30	F		

11 15

See page 4

Series 154

Sc U

December 31, 1913

10 45

MC 4183 Cole S BC S

	Sc 1	Sc 2	Sc 3	MC4189	Mean	Diff.	BC		MC4189	Mean	Diff.
5							5.5		5.3	5.40 1 1	0.99
6							6.1		6.1	6.10 0 0	0.88
8							6.9		6.9	6.90 0 0	1.20
9							7.5		7.5	7.50 0 0	1.20
10	4.2			4.4	4.30 1 1	4.59	7.7		7.7	7.70 0 0	1.19
11	4.8			4.8	4.80 0 0	4.62	8.1		8.2	8.15 1 0	1.27
12		5.3		5.1	5.20 1 1	4.53	8.5		8.7	8.60 1 1	1.13
13		5.6		5.4	5.50 1 1	4.67	8.9		9.05	8.98 08 07	1.19
14		5.9		5.7	5.80 1 1	4.72	9.15 1 0 9.1	9.2 90	9.30	9.22 07 08	1.30
15		6.3		6.1	6.20 1 1	4.74	9.40 0 0 9.4	9.4 92	9.70	9.55 15 15	1.39
16		6.5		6.4	6.45 1 0	4.81	9.70 0 0 97	9.7 98	~~9.70~~	9.70 a	1.56
17		6.8		6.6	6.70 1 1	4.79	10.05 0 1 100	10.1 99		10.05 a	~~1.44~~
18		7.1		7.0	7.05 1 0	4.87					
19		7.4		7.2	7.30 1 1	4.98					
20		7.7		7.5	7.65 1 1	4.99					
23		8.1		7.8	7.95 1 2	5.25					
25		8.5		8.2	8.35 1 2	5.38					
26		8.8		8.7	8.75 0 1	5.44					
27		9.05 1 0 9.1	9.0 88	9.10	9.08 03 02	5 47 ~~4.53~~					
28		9.45 1 0 9.5	9.4 92	9.50	9.48 03 02	5.49					
29		9.90 0 0 9.9	9.9 97	9.95	9.92 02 03	5.60					

1 1
3 3
+.03 -.03

2 1
4 4
-.05 +.02

30 30
3 3
-.10 +.10

40 30
10 10
+.04 +.03

3 3
6 6
+.05 -.05

5 3
5 5
+.10 -.06

12 43
6 6
+.02 -.07

92 103
17 17
+.05 -.06

copied-

~~all~~ 40

Copied. Series 154

Card.

Sc U

S December 31, 1913 S S

MC 484 B1 alt. +.13

		Sc 1	Sc 2	Curve	Magn.		BC	Curve	Magn.	
	1	2.8					5.6	1.01	6.61	.72
Near edge	2	3.2					6.2	1.05	7.25	.38
Towards ,,	3	3.2					6.0 in along	1.03	7.03	.16
,, ,,	4	3.2					6.2	1.05	7.25	.38
	5	3.2		.			6.3	1.06	7.36	.49
	6	3.3		.			6.5	1.08	7.58	.71
	7	3.9		4.53	8.43	.56	7.0	1.12	8.12	.25
	8	3.9		4.53	8.43	.56	7.1	1.13	8.23	.36
	9	4.1		4.54	8.64	.77	7.3	1.15	8.45	.58
Dbl.	10	4.2		4.54	8.74	.87	7.7	1.17	8.87	9.00
	11	4.1		4.54	8.64	.77	7.5	1.16	8.66	.79
	12	4.2		4.54	8.74	.87	7.7	1.17	8.87	9.00
	13	4.3		4.55	8.85	.98	7.9	1.19	9.09	.22
	14	4.6		4.56	9.16	.29	8.3	1.22	9.52	.65
	15	4.9		4.57	9.47	.60	8.5	1.23	9.73	.86
	16		5.3	4.62	9.92	10.05	9.30 0 0 9.3 9.3 9.1	1.33	10.63	.76
	17		5.3	4.62	9.92	10.05	9.35 1 0 9.4 9.3 9.2	1.34	10.69	.82
	18		5.3	4.62	9.92	10.05	9.50 0 0 9.5 9.5 9.3	3 1.46	10.86	11.00
	19		5.6	4.64	10.24	.37	9.50 0 0 9.5 9.5 9.3	3 1.46	10.86	11.00
	20		5.9	4.68	10.58	.71	9.90 0 0 9.9 9.9 . 9.7	1.43	11.33	.47
	21		5.8	4.67	10.47	.60	9.95 1 0 10.0 9.9 9.8	1.45	11.40	.54
	22		6.1	4.70	10.80	.93				
	23		6.2	4.72	10.92	11.06				
	24		7.0	4.89	11.89	12.03				
	25		7.4	5.03	12.43	.57				
	26		7.3	4.99	12.29	.43				
	27		8.1	5.27	13.37	.51				
	28		8.2	5.29	13.49	.63				

	Sc 2	Curve	Magn.	
29	8.5	5.36	13.86	14.00
30	8.7	5.40	14.10	.24
31	8.9	5.43	14.33	.47
32	9.30 0 0 9.3 9.3 . 9.1	5.49	14.79	.93
33	9.85 0 1 9.9 9.8 9.7	5.55	15.40	.54
34	n.s ?			

Series 154

Sc U

S December 31, 1913 S

MC 4185 (Does not identify in reg intended)

alt - 19 ?

	Se1	Se2		Se3 Curve	Magn		Pe			Curve	Magn	
1	4.7			4.56	9.26	39	8.1			1.20	9.30	43
2		5.7		4.66	10.36	.49	9.3	9.1	9.30 oo 9.3	1.22	10.52	.65
3		6.2		4.72	10.92	11.08						
4		6.4		4.75	11.15	.29						
5		7.0		4.89	11.89	12.03						
6		7.1		4.92	12.02	.16						
7		7.3		4.99	12.29	.43						
8		7.5		5.06	12.56	.70						
9		8.1		5.27	13.37	.51						
10		8.2		5.29	13.49	.63						
11		8.7		5.40	14.10	.24						
12	9.0	9.0	9.10 ± 9.2	5.47	14.57	.71						
13	9.3	9.2	9.35 ± 9.4	5.50	14.85	.99						
14	9.5	9.3	9.50 oo 9.5	5.52	15.02	.16						
15	9.7	9.5	9.70 oo 9.7	5.55	15.25	.39						

Copied.
Card.
Series 154

Dell

S December 31, 1913 S

MC 4186 2h 0 + 4.5 (Carte du ciel) alt + 11

			Curve	Magn.	
1	4.1		4.53	8.63	76
3 = 2	5.2		4.60	9.80	.93
5 = 3	5.1		4.65	10.35	.48
6 = 4	6.2		4.72	10.92	.11.06
7 = 5	6.5		4.78	11.28	.42
8 = 6	6.6		4.80	11.40	.54
9 = 7	7.0		4.89	11.89	.12.03
10 = 8	7.2		4.95	12.15	29
12 = 9	7.9		5.20	13.10	24
13 = 10	8.2		5.28	13.48	62
14 = 11	8.5		.36 ~~5.42~~	13.92	.14.00 86
16 = 12	9.05 9.0	9.1 8.9	5.45	14.50	.64
* 13	9.20 ~~9.2~~	9.2 ~~9.0~~	~~5.48~~	~~14.68~~	
17 = 14	9.45 9.5	9.4 9.2	5.52	14.97	.15.11
* 15	9.80 ~~9.7~~	9.9 ~~9.7~~	~~5.56~~	~~15.36~~	

		Curve	Magn.	
7.2		1.14	8.34	.47
8.7		1.25	9.95	.10.08
9.15 9.1	9.2 9.0	1.30	10.45	.58

*. No. 13 = Pris. Comp. } June 25, 1914.
" 15 = Def. }

* See note of cover for explanation.

Dell copied Series 154

S December 31, 1913 S $3^{hr} - 2^{\circ}.5$

MC 4187 Carte du Ciel Toulouse. 3

alt. + 9.0

MC 4188 Pleiades

	Se 1	Se 2	Se 3 Curve	Magn.	Se 2 Pc	Se 1 Curve	Magn.
j5		5.6	4.64	.37 10.24	9.1	1.29	.52 10.39
v	4.1		4.53	.76 8.63	7.2	1.14	.47 8.34
f	3.1		.	.	6.2	:1.06	39 7.26
i'	4.2		4.54	.87 8.74	7.3	1.14	57 8.44
k'		6.1	4.71	.95 10.81			
l'		7.2	4.95	.29 12.15			
i	2.9		.	.	5.4	1.00	.50 6.40
e'	3.0		.	.	5.3	0.99	~~.42~~ 38 6.29
j	4.3		4.55	.98 8.85	7.5	1.15	78 8.65
a'	B		.			39 .	.
b'	B		.			4.3 .	.
j3	4.7		4.57	.40 9.27	8.0	1.19	.32 9.19
j2	4.3		4.55	.98 8.85	7.8	1.18	9.11 8.98
j1	5.1	5.10 00 5.1	4.59	.82 9.69	8.7	1.25	10.08 9.95
k		5.4	4.62	.15 10.02			
m'		7.9	5.20	.23 13.10			
h	3.7		4.53	.36 8.23	6.2	1.05	.38 7.25
l		6.4	4.76	.30 11.16			
o		9.0	5.45	.59 14.45			
m		7.3	4.99	.43 12.29			
r		n.S	.	.			
g	3.2		.	.	6.1	1.04	.27 7.14
n		8.3	5.32	.76 13.62			

Remeasures
verify old measures
M.H. recorder.

March 1. 1915

h 3.3

h 6.4 6.3

g 6.1

f 7.3

Series 154

Sc ll December 31, 1913

MC 4189

	Sc 1	Sc 2	Sc 3	
5				5.3
6				6.1
8				6.9
9				7.5
10	4.4			7.7
11	4.8			8.2
12		5.1		8.7
13		5.4		9.05 0 9.1 9.0 . 8.9
14		5.7		9.30 0 9.3 9.3 9.1
15		6.1		9.70 00 9.7 9.7 9.5
16		6.4		
17		6.6		
18		7.0		
19		7.2		
20		7.5		
23		7.8		
25		8.2		
26		8.7		
27		9.10 00 9.1 9.1 . 8.9		
28		9.50 00 9.5 9.5 9.3		
29		9.95 1.0 10.0 9.9 9.8		

12 150 See page 10

Series 135

Sc. U 3967–3978 January 2, 1914

10 00 MC 3967 Pole

	Sc 1	Sc 2	Sc 3	MC 3972	Mean	S Diff.	Sc 2		MC 3972	Mean	S Diff.
5							5.4		5.4	5.40 0 0	0.99
6							6.2		6.1	6.15 0 1	0.83
8							7.2		7.1	7.15 0 1	0.95
9							7.8		7.7	7.75 0 1	0.95
10	4.2			4.3	4.25 0 1	4.64	8.1		8.0	8.05 1 0	0.84
11	4.6				4.60 a.	4.82	8.5		8.5	8.50 0 0	0.92
12		5.0			5.00 aa.	4.73	9.0	9.05 0 1 9.1 8.9	8.9	8.98 07 08	0.75
13		5.4			5.40 a.	4.77	9.3	9.30 00 9.3 9.1	9.30	9.30 00 00	0.87
14		5.7		5.70	5.70 00 00	4.82	9.7	9.80 1 1 9.9 9.7	9.70	9.75 05 05	0.77
15		6.0		6.0	6.00 0 0	4.94	10.0	10.00 00 10.0 9.8		10.00 a.	0.94
16		6.3		6.3	6.30 0 0	4.96					
17		6.5		6.5	6.50 0 0	4.99					
18		6.9		7.0	6.95 1 0	4.97					
19		7.3		7.2	7.25 1 0	5.03					
20		7.7		7.5	7.60 1 1	4.99					
23		8.1		8.0	8.05 1 0	5.15					
25		8.5		8.5	8.50 0 0	5.23					
26		9.00 00 9.0 9.0	8.8	9.05	9.02 02 03	5.17					
27		9.50 00 9.5 9.5	9.3	9.45	9.48 02 03	5.07					
28		9.90 0 0 9.9 9.9	9.7	9.90	9.90 00 00	5.07					

0	3
4	4
.00	−.08
22	13
5	5
+.04	−.03
22	43
9	9
+.02	−.05

0	1
2	2
.00	+.05
1	1
6	6
+.02	−.02
1	0
5	5
+.02	.00
2	0
13	13
+.02	.00

copied.

Copied Series 135

Sc ll Card. January 2, 1914 15

MC 3968 $\overset{?}{1}38$ K S $22^h\ 12^m\ -14^\circ.8$ alt. −19

	Sc 1	Sc 2	Sc 3 Curve	Magn.		Sc 2	Curve	Magn.	
1	3.7		4.67	8.37	.50	6.2	0.89	7.09	.22
2	4.3		4.71	9.01	.14	7.9	0.85	8.75	.88
3		5.3	4.79	10.09	.22	9.30 9.3 9.3 9.1	0.84	10.14	.27
4		5.6	4.82	10.42	.55	9.50 9.5 9.5 9.3	0.84	10.34	.47
5		5.9	4.86	10.76	.89				
6		6.2	4.91	11.11	.25				
7		6.5	4.95	11.45	.59				
8		6.9	4.98	11.88	12.02				
9		7.3	5.01	12.31	.45				
10		7.9	5.08	12.98	13.12				
11		8.2	5.11	13.31	.45				
12		8.9	5.12	14.02	.16				
13		9.10 9.1 9.1 8.9	5.10	14.20	.34				
14		9.05 9.1 9.0 8.9	5.11	14.16	.30				
15		9.30 9.3 9.3 9.1	5.09	14.39	.53				
16		9.75 9.7 9.8 9.5	5.04	14.79	.93				

Copied.
Series 135
Card.

Sell

S January 2, 1914 S

MC 3969 V 259 V Lacertae. x Lacertae.

Alt. + 72

	Se1	Se2	Se3 Curve	Magn.		Se2	Curve	Magn.	
a	3.7		4.67	8.37	.50	6.3	0.89	7.19	.32
b		5.1	4.77	9.87	10.00	9.0?	0.83?	9.83?	.96
c	4.1		4.69	8.79	.92	7.2	0.87	8.07	.20
d	4.3		4.71	9.01	.14	7.9	0.85	8.75	.88
e		5.2	4.78	9.98	10.11	9.1	0.83	9.93	10.06
f	4.6		4.73	9.33	.46	8.1	0.84	8.94	9.07
g		5.2	4.78	9.98	10.11	8.9	0.83	9.73	.86
h		5.3	4.79	10.09	.22	9.2 920 0 9.2 9.0	0.83	10.03	.16
k		5.0	4.76	9.76	.89	9.0 9.05 0 9.1 89	0.83	9.88	10.01
l		5.6	4.82	10.42	.55	9.7 9.70 00 9.7 9.5	0.84	10.54	.67
m		5.8	4.85	10.65	.78				
n		6.2	4.91	11.11	.25				
o		6.7	4.96	11.66	.80				
p		7.5	5.04	12.54	.68				
q		8.2	5.10	13.30	.44				
r		8.8	5.12	13.92	14.06				
s		9.0 9.05 0 9.1 89	5.11	14.16	.30				
t		9.3 9.30 0 9.3 9.1	5.10	14.40	.54				
u		9.7 9.70 0 9.7 9.5	5.05	14.75	.89				
w		10.0 10.05 0 10.1 9.9							
x	4.1		4.69	8.79	.92	7.3	0.86	8.16	.29
V		5.0	4.76	9.76	.89	8.9	0.83	9.73	.86

Copied. Series 135

Se U   Card. S January 2, 1914   S

Mc 3970 X260 R Pegasi.   Sc   Alt. +14

		Se1	Se2	Se3	Curve	Magn.	Se2		Curve	Magn.
Towards edge	a						5.3		0.93	.32 6.23
On edge of film	b									
" " " pl.	c									
Off plate.	d									
	e	3.8			4.68	.61 8.48	6.3		0.89	.32 7.19
	e2 Too dense.						6.8		0.87	.80 7.67
	e3	4.1			4.69	.92 8.79	7.1		0.86	8.09 7.96
	f	4.2			4.70	9.03 8.90	7.2		0.86	.19 8.06
	g	4.0			4.69	.82 8.69	7.2		0.86	.19 8.06
	h	4.1			4.74	.57 9.44	8.2		0.85	.18 9.05
	k	4.4			4.71	.24 9.11	8.0		0.85	.98 8.85
Too faint. C	l						8.2		0.85	.18 9.05
	m		5.9		4.86	.89 10.76			0	
	m2		5.1		4.77	.10.00 9.87	9.05 0 9.0	9.1 8.9	0.83	.10.01 9.88
	n		4.9		4.75	.78 9.65	8.9		0.83	.86 9.73
	o		6.1		4.90	.14 11.00				
	p		5.7		4.83	66 10.53	9.50 0 9.5	0 9.5 9.3	083	.46 10.33
	p2		5.4		4.80	.33 10.20	9.70 0 9.7	0 9.7 9.5	0.83	.66 10.53
	p3		6.0		4.88	11.01 10.88				
	q		6.2		4.92	.26 11.12				
	r		6.7		4.96	.80 11.66				
	s		7.1		4.99	.23 12.09				
	t		7.5		5.04	.68 12.54				
	u		8.1		5.09	.33 13.19				
	w		8.3		5.11	.55 13.41				
	x		8.8		5.12	.14.06 13.92				
	y		9.10 0 9.1	0 9.1 8.9	5.11	85 14.21				
	z		9.50 0 9.5	0 9.5 9.3	5.07	.71 14.57				

11   30

Intensified 15 mark d   60

Some [illegible]

Sc ll

copied Series 135

Card.

January 2, 1914 S

11 50 MC 397, V265 S BC alt +.50.

	Sc1	Sc2	Sc3 Curve	Magn.		Sc2	Curve	Magn.	
1	3.8		4.68	8.48	.61	6.3	0.89	7.19	.32
2	4.1		4.69	8.79	.92	7.1	0.87	7.97	8.10
3	4.6		4.72	9.32	.45	8.1	0.85	8.95	9.08
4	4.8		4.75	9.55	.68	8.4	0.84	9.24	.37
5		5.2	4.77	9.97	10.10	9.0	0.83	9.83	.96
6		5.4	4.80	~~9~~.20	10 .33	9.2	0.83	10.03	.16
7		5.7	4.83	10.53	.66	9.7	0.84	10.54	.67
8		6.1	4.90	11.00	.14				
9		6.5	4.95	11.45	.59				
10		7.0	4.99	11.99	12.13				
11		7.3	5.01	12.31	.45				
12		7.7	5.06	12.76	.90				
13		8.3	5.11	13.41	.55				
14		8.7	5.12	13.82	.96				
15		9.10 ½ 9.0 9.2 8.8	5.11	14.21	.35				
16		9.70 8.0 9.7 9.8 9.5	5.05	14.75	.89				
17		9.85 9.9 9.8 9.7	5.03	14.88	15.02				

Series 135

Sc U January 2, 1913

MC 3972 Bole	Sc 1	Sc 2	Sc 3	BC
5				5.4
6				6.1
8				7.1
9				7.7
10	4.3			8.0
11	4.7			8.5
12	5.0			8.9
				9.30 ° ° 9.3.
13		5.3		9.3 9.1
				9.70 °° 9.7.
14	57	5.7		9.7 9.5
15		6.0		
16		6.3		
17		6.5		
18		7.0		
19		7.2		
20		7.5		
23		8.0		
25		8.5		
		9.05 ° 9.1.		
26		9.0 89		
		9.45 ' ° 9.4.		
27		9.5 9.2		
		9.90 ° ° 9.9.		
28		9.9 9.7		

12 20

See page 16

Jan. 6, 191~~3~~4

9.43

Series: 135

Scale Tl.	MC 3972 Sc.1	Sc.3	MC3978	Mean	Pole	S Diff.	P.C.	MC3978	Mean		S Diff.
5							5.3	6.1	5.70	4 4	0.69
6							6.1	6.6	6.35	3 2	0.63
8							7.2	7.8	7.50	3 3	0.60
9							7.7	8.1	7.90	2 2	0.80
10	4.3		4.3	4.30	0 0	4.59	8.0	8.3	8.15	2 1	0.74
11	4.7		4.8	4.75	1 0	4.67	8.5	9.1	8.80	3 3	0.62
12	5[illegible]		5.1	5.10	0 0	4.63	9.0	9.4	9.20	2 2	0.53
13	5.4		5.5	5.45	0 1	4.72	9.5	9.9	9.70	2 2	0.47
14	5.6		5.8	5.70	1 1	4.82	9.7	•	9.70	a.	0.82
15	6.0		6.1	6.05	0 1	4.89					
16	6.3		6.5	6.40	1 1	4.86					
17	6.5		6.9	6.70	2 2	4.79					
18	7.0		7.2	7.10	1 1	4.82					
19	7.~~2~~5		7.5	7.50	0 0	4.78					
20	7.8		7.9	7.85	0 1	4.74					
~~omit 21~~			.								
23	~~7.9~~ 8.1		8.3	8.20	1 1	5.00					
25	8.9		9.05	8.98	08 07	4.75					
26	9.30 00 9.3	9.3 9.1	9.45	9.38	08 07	4.81					
27	9.65 01 9.6	9.7 9.5	9.80	9.72	07 08	4.83					
28	10.05 01 10.0	10.1 9.9	F	10.05	a .	4.92					

12/4	11/4
−.30	+.28
9/4	8/4
−.22	+.20
21/8	19/8
~~−.20~~ −.26	+.24

2/5	1/5
−.04	+.04
4/5	5/5
−.08	+.10
33/5	42/5
−.07	+.08
93/15	112/15
−.06	+.07

copied

Copied Jan. 6, 191~~3~~ 4

Card. Series - 135

S

Scale U. MC 3973 V 269 S alt +.21 MSC. 7789

	Sc.1	Sc.3	Curve	magn.
1	3.2		.	
2	3.6		.	
3	4.1		.	
4	4.2		4.59	8.~~79~~ .92
5	4.8		4.67	9.~~47~~ .60
6	5.2		4.71	9.~~91~~ 10.04
7	5.6		4.74	10.~~34~~ .47
8	6.1		4.77	10.~~87~~ 11.01
9	6.3		4.78	11.~~08~~ .22
10	7.1		4.80	11.~~90~~ 12.04
11	7.7		4.82	12.~~52~~ .66
12	8.2		4.83	13.~~03~~ .17
13	8.7		4.84	13.~~54~~ .68
	9.15 1 0	9.2		
14	9.1	9.0	4.84	13.~~99~~ 14.13
	9.45 1 0	9.4		
15	9.5	9.2	4.83	14.~~28~~ .42
	9.75 0 1	9.7		
16	9.8	9.5	4.83	14.~~58~~ .72
	10.05 0 1	10.1		
17	10.0	9.9	4.84	14.~~89~~ 15.03

PC	Curve	magn.
6.1	0.68	6.~~78~~ 90
6.5	0.67	7.~~17~~ 30
7.2	0.66	7.~~86~~ 99
8.0	0.65	8.~~65~~ 78
8.8	0.64	9.~~44~~ 57
9.8	0.65	10.~~45~~ 58

Copied. 9a p. ~~06~~ ↑

January 6, 1918 +

Scale 91.

Card. Series. 135

MC 3974 S V 274

	se.1	se.3	Curve	Magn.	
a	3.1		·		
b	3.3		·		
c	3.3		·		
d	3.6		·		
e	4.6		4.64	9.24	.37
f	4.9		4.68	9.58	.71
g	5.6		4.73	10.33	.46
h	5.1		4.70	9.80	.93
K	5.1		4.70	9.80	.93
l	5.0		4.69	9.69	.82
m	6.1		4.77	10.87	11.01
n	6.0		4.76	10.76	.89
o	6.7		4.80	11.50	.64
p	6.4		7. 4.69	11.19	.33
q	6.9		4.80	11.70	.84
r^1	7.0		4.80	11.80	.94
r^2	7.6		4.81	12.41	.55
r^3	7.7		4.82	12.52	.66
r^4	8.1		4.82	12.92	13.06
r^5	8.3		4.83	13.13	.27
s	9.0	9.05 01 8.9 9.1	4.85	13.90	14.04
t^1	9.3	9.26 10 9.0 9.2 9.4 5	4.84	14.09	.23
t^2	9.7	9.70 00 9.8	4.83	14.53	.67
t^3	9.5	9.70 22 9.9 9.7	4.83	14.53	.67
u	10.0	10.05 01 10.1 9.9	4.85	14.90	15.04

alt. +.22 S

P.C.

	Curve	Magn.	
6.0	0.68	6.68	79
6.7	0.67	7.37	-50
6.8	0.67	7.47	-60
7.2	0.66	7.86	.99
8.7	0.64	9.34	.47
9.7	0.65	10.35	.48

Copied! 9 ap. 76 January 6, 191~~3~~4

Scale 21. Card. Series 135

9.3

MC 3975 S C 1

		Sc.1	Sc.3	Curve	Magn.	
	1	3.1		.		
long ^dist from centre	2			.		
	3	3.9		.		
long from centre	4			.		
	5	4.1		.		
	6	4.0		-		
	7	4.1		-		
	8	4.3		4.60	8.90	9.03
	9	4.3		4.60	8.90	9.03
combined ^meas. light table?	10	4.2		4.59	8.79	.92
	11	4.6		4.64	9.24	.37
	12	4.9		4.68	9.58	.71
	13	5.1		4.70	9.80	.93
	14	5.3		4.71	10.01	.14
	15	5.9		4.75	10.65	.78
	16	5.9		4.75	10.65	.78
	17	6.2		4.78	10.98	11.12
	18	6.7		4.79	11.49	.63
	19	7.1 ~~8.1~~		4.80	11.90	12.04
	20	7.3		4.80	12.10	.24
	21	7.7		4.81	12.51	.65
	22	8.2		4.83	13.03	.17
	23	8.7		4.84	13.54	.68
	24	8.3		4.83	13.13	.27
	25	8.2		4.83	13.03	.17
	26	8.9		4.84	13.74	.88
	27	9.2	9.25 0 1 9.3 9.1	4.84	14.09	.23
	28	9.5	9.50 00 9.6 9.3	4.84	14.34	.48

att + .14 S

			Curve	Magn.	
29	9.7	9.75 1 0 9.8 9.6	4.84	14.59	.73
30	9.9	9.90 0 0 9.9 9.7	4.85	14.75	.87

P.C S

		Curve	Magn.	
1	6.1	0.68	6.78	.90
	6.7	0.67	7.37	.50
	6.3	0.67	6.97	7.10
	7.0	0.66	7.66	.79
	7.0	0.66	7.66	.79
	7.1	0.66	7.76	.89
	7.7	0.65	8.35	.48
	8.0	0.65	8.65	.78
	8 9.3	0.65	8.95	9.08
	8 9.2	0.65	8.85	.98
	8.7	0.64	9.34	.47
	9.1	0.63	9.73	.86
	9 8.1	0.63	9.73	.86
	9.8	0.65	10.45	.58

~~9.3~~

Copied. January 6, 19~~13~~ 14

Card Series 135

Scale 21. MC 3976 92K

Alt. +.06

	Sc1	Sc.3	Curve	S Magn.	
1	3.7		.		
2	3.9		.		
3	3.8		.		
4	4.3		4.60	8.90	9.03
5	5.1		4.70	9.80	.93
6	5.4		4.71	10.11	.24
7	6.0		4.77	10.77	.90
8	6.6		4.79	11.39	.53
9	7.1		4.80	11.90	12.04
10	7.8		4.82	12.62	.76
11	8.0		4.82	12.82	.96
12	8.2		4.83	13.03	.17
13	8.7		4.84	13.54	.68
14	9.3	9.30 00 9.3 9.1	4.83	14.13	.27
15	9.9	10.00 1 10.1 9.9	4.85	14.85	.99

P.C.	Curve	S Magn.	
7.2	0.67	7.87	8.00
7.6	0.65	8.25	.38
7.9	0.65	8.55	.68
9.1	0.64	9.74	.87

Very poor images.

Copied January 6, 191~~3~~4

Card. Series. 135

Scale 21 MC 3977 D1 Alt. .19

		Sc.1	Sc.3 S Curv.	Magn.	P.C.	Curv.	S Magn.
near edge	1				7.0	0.67	.80 7.67
near edge	2				7.1	0.66	.89 7.76
	3	4.1			7.3	0.66	8.09 7.96
near edge	4				7.6	0.65	.38 8.25
	5	4.2	4.59	.92 8.79	7.3	0.66	8.09 7.96
near edge	6						
—	7				7.9	0.65	.68 8.55
	8	4.3	4.60	9.03 8.90	8.0	0.65	.78 8.65
	9	4.6	4.64	.37 9.24	8.5	0.64	.27 27 9.14
	10	4.6	4.64	.17 9.04	8.7	0.64	.47 9.34
	11	4.8	4.67	60 9.47	8.8	0.64	.57 9.44
	12	4.9	4.68	71 9.58	9.1	0.64	.87 9.74
	13	5.1	4.70	.93 9.80	9.4	0.64	.17 10.04
	14	5.2	4.70	10.03 9.90	9.7	0.65	.48 10.35
	15	5.1	4.70	93 9.80	9.5	0.64	.27 10.14
	16	5.6	4.73	.46 10.33			
	17	6.1	4.77	11.01 10.87			
	18	6.3	4.78	.22 11.08			
	19	6.3	4.78	22 11.08			
	20	6.3	4.78	22 11.08			
	21	6.6	4.79	53 11.39			
	22	6.8	4.80	74 11.60			
	23	7.2	4.80	14 12.00			
	24	7.1	4.80	12.04 11.90			
	25	7.3	4.80	24 12.10			
	26	7.5	4.81	45 12.31			
	27	7.7	4.82	.66 12.52			
	28	8.2	4.83	.17 13.03			

			Curv	Magn
29	8.2		4.83	.17 13.03
30	8.7		4.85	69 13.55
31	8.7	Sc.3	4.85	.69 13.55
32	9.0	9.05 0.1 9.1 8.9	4.85	14.04 13.90
33	9.3	9.35 ±0 9.4 9.2	4.83	.32 14.18
34	9.1	9.15 ±0 9.2 9.0	4.84	14.13 13.99
35	9.5	9.45 1.0 9.4 9.2	4.83	42 14.28
36	9.5	9.50 0.0 9.5 9.3	4.83	47 14.33
37	9.8	9.75 0.1 9.7 9.5	4.84	.73 14.59
38	F			

January 6, 1914

Series. 135

Scale U MC 3978 Pole.

	Sc. 1	Sc. 3	P.C.
5			6.1
6			6.6
8			7.8
9			8.1
10	4.3		8.3
11	4.8		9.1
12	5.1		9.4
13	5.5		9.9
14	5.8		
15	6.1		
16	6.5		
17	6.9		
18	7.2		
19	7.5		
20	7.9		
23	8.3		
	9.05	0 ' 9.1	
25	9.0	8.9	
	9.45	1 0 9.4	
26	9.5	9.2	
	9.80	1 1 9.7	
27	9.9	9.5	
28	F		

See page 22

11.00 MK

Beginning here, reductions made using Revised Magn.

January 8, 1914

MC4110 Series 148

Scale M.

10.04

MC 4110 Pole

	Sc. 1	Sc. 2				Diff.
		MC4115	MC4121	mean		
5						
6						
8						
9						
10	3.4 3.2	4.10	3.9	3.80	4 3 1	5.22
11	3.6 3.4	R	4.1	3.85	2 . 3	5.70
12	3.8 3.6	R	4.3	4.05	2 . 3	5.81
13	4.3 4.1	4.9	R	4.60	3 3 .	5.70
14	5.3 5.1	5.6	5.6	5.50	2 1 1 5	5.15
15	5.6 5.4	5.9	R	5.75	2 1 .	5.33
16	6.0 5.8	6.3	6.1	6.13	1 2 0	5.27
17	6.3 6.1	6.5	6.2	6.33	0 2 1	5.3~~2~~0
18	7.0 6.8 sc. 2	7.8	6.8	7.20	2 6 4	4.86
19	7.1	7.9	7.7	7.57	5 3 1	4.85
20	7.3	8.1	8.0	7.80	5 3 2	4.93
22	8.2	8.7	8.5	.4 8.57	3 ~~4~~ 2 0	4.87
25	9.0	9.2	9.0	9.07	1 1 1	4.80
26	9.5	9.7	9.5	9.57	1 1 1	4.76
27	F		9.9?	9.90?	. . 2	4.79
28						

P.C	MC4115	MC4121	mean		Diff.
5.5 5.3	6.4	6.1	6.00	5 4 1	0.49
6.4 6.2 sc. 2	7.2	7.0	6.87	5 ~~4~~ 3 1	0.24
7.1	8.2	7.7	7.67	6 5 0	0.56
7.9	8.8	8.4	8.37	5 4 0	0.46
8.2	9.1	8.7	8.67	5 4 0	0.35
8.7		9.0	8.85	1 . 2	0.70
9.0		9.5	9.25	2 . 3	0.61
9.5		9.9	9.70	2 . 2	0.60

21 16 2
4 4 4
-.50 +.40 +.05

10 4 7
4 1 4
-.225 +.40 +.18

31 20 9
8 5 8
~~-.40~~
-.39 +.40 +.11

13 7 ~~8~~ 8
5 ~~3~~ 3 ~~5~~ 4
-.26 +.2~~3~~ ~~+.16~~ +.20

1 11 5
4 4 3
-.02 +.28 -.17

Pole not in centre.

copied.

15 10 1
5 5 5
-.30 +.20 +.02

-29 ~~-38~~ 28 04
14 ~~14~~ 12 12
-.21 -.03 +.20 +.00

January 8, 1914

Copied

Series 148

Card.

Scale M. MC 4111 B9 AC, 2076 alt. +.20

combined light dble? (beside 11)

	Sc.1	Curve	Magn.		P.C. sc.2	Curve	Magn.
1	B	.			6.4	0.40	6.80
2	1.2 1.0	.			5.7	.	.
3	1.4 1.2	.			5.5	.	.
4	1.9 1.7	.			5.9	0.37	6.27
5	2.0 1.8	.			6.4	0.40	6.80
6	1.5 1.3	.			6 ~~7~~.1	0.39	6.49
7	1.8 1.6	.			6 ~~7~~.2	.39 ~~0.40~~	6.59
8	2.2 2.0	.			6 ~~7~~.4	0.40	6.80
9	2.8 2.6	.			6.9	0.42	7.32
10	3.1 2.9	.			sc.2 8.0	0.50	8.50
11	3.2 3.0	.			8.3	0.52	8.82
12	—				—	—	—
13	3.1 2.9	.			8.2	0.52	8.72
14	3.8 3.6	5.85	9.65		8.5	0.53	9.03
15	4.2 4.0	5.71	9.91		9.0	0.57	9.57
16	4.0 3.8	5.79	9.79		8.9	0.56	9.46
17	4.1 3.9	5.75	9.85		9.1	0.58	9.68
18	4.5 4.3	5 4.62	10.12		9.5	0.59	10.09
19	4.5 4.3	5 4.62	10.12		9.6	0.60	10.20
20	4.9 4.7	5.51	10.41				
21	4.9 4.7	5.51	10.41				
22	4.8 4.6	5.53	10.33				
23	5.1 4.9	5.44	4 10.51				
24	6.0 5.8	5.21	11.21				
25	6.0 5.8	5.21	11.21				
26	6.5 6.3	5.11	11.61				
27	6.8 6.6	5.05	11.85				
28	sc.2 7.1	5.00	12.10				

		sc.2	Curve	Magn.	
	29	7.4	4.94	12.34	
	30				
	30a	8.3	4.83	13.13	
W.S.	31	~~9.1~~ 8.6	4.80	13.40	
	32	8.7	4.80	13.50	
	33	9.2 ~~m.S~~	~~4.78~~		reject "H.S.L."
	34	9.7 ~~m.S~~			" " "
	35				
	36				

January 8, 1914

Copied

Series 148

Scale M   MC 4112   139 K   att. -.18

	sc. 1	~~Max~~ Curve	Magn.
1	2.9 2.7		
2	3.9 3.7		
3	4.4 4.2	66 5.~~72~~	6 10.0~~2~~
4	5.3 5.1	5.39	10.69
5	6.1 5.9	5.19	11.29
6	6.3 6.1	5.15	11.45
7	6.4 6.2	5.14	11.54
8	6.6 6.4	5.10	11.70
9	sc. 2 7.1	5.00	1 12.~~2~~0
10	7.5	4.92	12.42
11	8.0	4.86	12.86
12	8.5	4.81	13.31
13	8.7	4.80	13.50
14	8.9	4.80	13.70
15	9.2	4.79	13.99
16	9.7	4.78	14.48

P.C.

	Curve	Magn.
7.1	0.45	7.550
8.7	0.55	9.25
9.3	0.58	9.88

January 8, 1914

Series 148 Copied

Scale M

MC 4113 Carte du Ciel. 23.0h +10.5°

Alb. +.14

	sc. 1	Curve	Magn.
1	2.0 1.8		
2	~~4~~ 4.3 5.1	5.70	10.00
3	4.9 4.7	5.51	10.41
4	5.5 5.3	5.33	10.83
5	5.9 5.7	5.24	11.14
6	6.5 6.3	5.11	11.61
7	6.5 6.3	5.11	11.61
8	sc. 2 7.2	9 4.88	1 12.08
9	8.1	4.85	12.95
10	8.3	4.83	13.13
11	8.4	4.82	13.22
12	8.7	4.80	13.50
13	9.3	4.78	14.08
14	9.7	4.78	14.48
15	9.9	4.78	14.68

P.C. sc. 2	Curve	Magn.
6.9	0.43	7.33
9.1	0.57	9.67
9.7	0.60	10.30

Remeas. by O. July 5, 1916.

sc. 2 13 9.5
14 9.6
15 ~~9.~~ 10.1

No error in measures by Ld.

January 8, 1914

8.7

Series 148 Copied

Scale M. MC 4114 Carte du Ciel $23^{h}.0$ + 24.5

alt. + 20

	se.1	Corr	Magn.
1	$\overset{3.8}{3.6}$	$5.\overset{.85}{\cancel{91}}$	$\overset{9.65}{\cancel{9.91}}$
2	$\overset{4.4}{4.2}$	5.66	10.06
3	$\overset{4.5}{4.3}$	5.63	10.13
4	$\overset{5.1}{4.9}$	5.45	10.55
5	$\overset{5.8}{5.6}$	5.26	11.06
6	$\overset{6.3}{6.1}$	5.16	11.46
7	$\overset{6.9}{6.7}$	5.03	11.93
8	se.2 7.1	5.00	$12.\overset{1}{\cancel{2}}0$
9	7.4	4.95	12.35
10	7.7	4.90	12.60
11	8.1	4.85	12.95
12	8.7	4.80	13.50
13	9.1	4.80	13.90
14	9.5	4.78	14.28
15	9.8	4.78	14.58

P.C. se.2	Corr	Magn.
8.7	0.55	9.25
9.2	0.58	9.78
9.3	0.59	9.89
9.7	0.60	10.30

January 8, 1914

Series 148

MC 4115 Pole.

Scale M.		se. 1		P. C.
	5			6.4 6.2
	6			se. 2 7.2
	8			: 8.2
	9			8.8
	10	4.0 4.10 4.2 3.8 4.0		9.1
two near edge.	11	—		
" " "	12	—		
	13	4.9 4.7		
	14	5.6 5.4		
	15	5.9 5.7		
	16	6.3 6.1		
	17	6.5 6.3		
	18	se. 2 7.8		
	19	7.9		
w. s.	20	1 8.7		
	23	8.7		
	25	9.2		
	26	9.7		
	27			
	28			

See page 29

Images dense.

January 8, 1914

copied.

Series 148

Scale M. MC 4116 D 1 alt. -.18

		sc. 1	Curve	Magn.	P.C. sc. 2	Curve	Magn.
~~too far from C.~~ wrong star	~~1~~	3.5 ~~3.3~~	.		~~8.2~~	~~0.52~~	~~8.72~~
too far from C.	2				7.1	0.45	7.55
	3	2.5 2.3	.		7.1	0.45	7.55
" " " C	4				7.5	0.48	7.98
	5	2.4 2.2	.		7.5	0.48	7.98
" " " C	6				8.0	0.51	8.51
wrong star dimmer C	7	5.3 ~~5.1~~	~~5.39~~	~~10.69~~	—	.	.
	8	3.0 2.95 2.9 2.8 2.7	.	.	8.1	0.51	8.61
	9	3.4 3.2	.	.	8.4	0.53	8.93
	10	3.4 3.2	.	.	8.2	0.52	8.72
	11	4.4 4.2	5.66	10.06	8.9	0.56	9.46
	12	4.3 4.1	5.69	9.99	9.1	0.58	9.68
	13	4.8 4.6	5.53	10.33	9.3	0.58	9.88
	14	5.0 4.8	5.49	10.49	9.5	0.59	10.09
	15	5.1 4.9	5.45	10.55	9 8.5	0.59	10.09
not on chart	16	5.3 5.1	5.40	10.70			
	17	6.1 5.9	5.19	11.29			
	18	6.0 5.8	5.21	11.21			
	19	6.3 6.1	5.15	1 10.45			
	20	6.4 6.2	5.14	11.54			
~~not on chart~~	21	6.4 6.2	5.14	11.54			
	22	sc. 2 7.2	4.98	12.18			
	23	7.2	4.98	12.18			
	24	7.2	4.98	12.18			
	25	7.4	4.95	12.35			
	26	7.7	4.90	12.60			
	27	7.7	4.90	12.60			
	28	8.1	4.85	12.95			

	sc. 2	Curve	Magn.
29	8.2	485	13.05
30	8.3	4.83	13.13
31	8.6	4.80	13.40
32	8.7	4.80	13.50
33	9.1	4.80	13.90
34	9.1	4.80	13.90
35	9.5	4.78	14.28
36	9.7	4.78	4 13.48
37	n.s.	.	.

January 8, 1914

Series 148 Copied.

Scale M.		MC 4118			21 V	Ρ Piscium. Alt. +.09		
		se.1				P.C.	Curve	Magn.
	a	B.	Curve	Magn.		se.2. 5.7	.	.
	b	$\overset{2.1}{1.9}$	.			6.2	0.40	6.60
near edge ~~not marked.~~	c					se.2 7.2	0.45	7.65
	d	$\overset{3.5}{3.3}$	.			8.0	0.51	8.51
	e	$\overset{3.3}{3.1}$	.			8.3	0.52	8.82
	f	$\overset{3.2}{3.0}$	.			7.7	0.49	8.19
	g	$\overset{3.4}{3.2}$	.			8.2	0.52	8.72
	h	$\overset{5.2}{5.0}$	5.42	10.62		.	.	.
	k	$\overset{3.3}{3.1}$	.	.		9.1	0.58	9.68
	l	$\overset{4.1}{3.9}$	5.75	~~10~~9.85		9.5	0.60	10.10
	m	$\overset{4.3}{4.1}$	5.69	9.99		9.1	0.58	9.68
	n	$\overset{4.9}{4.7}$	5.51	10.41		9.3	0.59	9.89
	o	$\overset{6.1}{5.9}$	5.19	11.29				
	p	$\overset{4.9}{4.7}$	5.51	10.41				
	q	$\overset{5.9}{5.7}$	5.26	11.15				
"r" No star marked on chart	r	.		.				
	s	se.2 8.0	4.87	12.87				
	t	7.0	5.01	12.01				
	u	7.7	4.90	12.60				
	w	8.2	4.85	13.05				
	x	9.1	4.80	13.90				
	~~y~~			.				
	z	8.8	4.80	13.60				
Reject "HSL"	y	9.5						
" "HSL"	α	9.8						

January 8, 1914.

Series 148 Copied.

Scale M MC 4117* 117 K. Alt. -17

	sc. 1	Curve	Magn.	P. C sc. 2	Curve	Magn.
1	$\overset{4.2}{4.0}$	5.72	9.92	9.1	0.58	9.68
2	$\overset{4.4}{4.2}$	4.66	9.06	9.5	0.60	10.10
3	$\overset{4\ 4.3}{5.1}$	$\overset{6}{4.59}$	$\overset{9}{8.89}$	9.7	0.60	10.30
4	$\overset{4.5}{4.3}$	4.63	9.13	9.8	0.60	10.40
5	$\overset{5.4}{5.2}$	$\overset{37}{5.42}$	$\overset{77}{10.82}$			
6	$\overset{6.4}{6.2}$	5.14	11.54			
7	$\overset{sc. 2}{7.2}$	4.98	12.18			
8	7.5	4.92	12.42			
9	7.9	4.88	12.78			
10	$\overset{8}{7.2}$	4.85	13.05			
11	7.7	$\overset{9}{4.80}$	12.60			
12	8.1	4.85	12.95			
13	8.7	4.81	13.51			
14	9.1	4.80	13.90			
15	9.7	4.78	14.48			

*Poor Plate. Images elongated - Quality "B" meas. by mistake

January 8, 1913

Series 148

Scale M.		MC 41+~~9~~ 21	~~20 V V Persei.~~ Pole.
		sc.1	P.C.
	5		sc.1 5.9$^{6.1}$
	6		
	7		6.8$^{7.0}$
	8		2nd 7.7
	9		8.4
	10	3.7$^{3.9}$	8.7
	11	3.9$^{4.1}$	9.0
	12	4.1$^{4.3}$	9.5
reject "H.S.L." W.S	13	4.8$^{4.9}$	9.9
	14	5.4$^{5.6}$	
reject. "H.S.L." W.S.?	15	6.3$^{5.7}$ 2nd	
	16	6.1	
	17	6.2	
	18	6.8	
reject 2nd meas. "H.S.L."	19	7.7 7.5	
	20	8.0	
	23	8.5	
	25	9.0	
	26	9.5	
	27	9.9?	
	28		

12.03

MK.

January 10, 1914

S.M. Series 148

10 p
10 0 0

	MC 4115 Pole. Sa 1	Sa 2 MC4121	Mean.		Diff.	PC	MC4121
5						6.3	5.4
6						7.7	? 6.7
8						8.2	7.8
9						9.0	8.2
10	3.9	4.0	3.95	1 0	5.07	9.3	8.4
11	out of focus						8.9
12	〃	〃					9.4
13	〃	5.1	5.10	· a	5.20		9.8
14	5.3	5.6	5.45	1 2	5.20		n.s
15	5.6	5.9	5.75	2 1	5.33		
16	6.2	6.2	6.20	0 0	5.20		
17	6.5	6.4	6.45	1 0	5.18		
18	7.0	7.0	7.00	0 0	5.06		
19	7.2	7.4	7.30	1 1	5.12		
20	7.8	7.8	7.80	0 0	4.93		
23	8.5	8.5	8.50	0 0	4.84		
25	9.0	9.0	9.00	0 0	4.87		
26	9.6	9.5	9.55	0 1	4.78		
27	N.S.	9.9	9.90	· a	4.79		

Reject P.C.

4 3
3 3
-.13 +.10

0 1
5 5
.00 +.02

Rec. J.E.W.

0 1
3 3
.00 -.03

copied.

4 3
11 11
-.04 +.03

January 10, 1914

Sc M — Series 148 Copied

MC 4120 R Arietis 2^h 10 + 24.6 Alt. +.30

		Sc 1	Sc 2		PC	
	a	.			7.0	
On edge of Pl.	b		Curve	Magn.	7.3 ?	
" " " "	c	.			7.5 ?	
	d	$2.3^{2.5}$	.		7.4	
	e	4.0	5.08	9.08	9.0	
	f	3.8	.	.	8.9	Omit
	g	5.0	5.20	10.20	9.7	
	h	4.7	5.18	9.88	9.1	
	k	5.1	5.21	10.31	9.8	
	k_2	5.5	5.23	10.73		
	l	6.1	5.21	11.31		
*	m'	6.7	5.13	11.83		
	n'	7.1	5.07	12.17		
	o'	7.5	5.00	12.50		
	p'	8.1	4.90	13.00		
	q'	8.5	4.84	13.34		
	r'	9.0	4.80	13.80		
	s'	9.4	4.78	14.18		
	t'	9.7	4.78	14.48		
	u'	10.0	4.78	14.78		

10 25

* Designation of these stars (m' and following) changed from m, n, o etc to m', n', o' etc
See note on plate cover.

Sc M 25 V January 10, 1914

Series 148 Copied

See (I 17279)

10 30 MC 4119 V Persei. | 55.1 +56. P.C Alt +.22

	Se 1.	Se 2	Curve	Magn.	Se 2	
a	$3.0^{3.2}$				8.0	
b	$3.3^{3.5}$				8.6	
c	$4.9^{5.1}$		5.20	10.$\overset{3}{7}$0	9.1	Omit
d	5.1 5.3 5.30 0 0	5.3	5.21	10.$\overset{5}{4}$1		
e		5.1	5.20	10.30	9.7	
f		6.3	5.20	11.50		
g		6.7	5.13	11.83		
g2		7.0	5.09	12.09		
g3		7.2	5.05	12.25		
h		7.8	4.95	12.75		
h2		7.4	5.02	12.42		
k		8.1	4.90	13.00		
l		8.3	4.88	13.18		
m		8.9	4.80	13.70		
m2		9.1	4.80	13.90		
No "n" marked n						
o		9.0	4.80	13.80		
p		9.3	4.78	14.08		
q		9.7	4.78	14.48		
~~q2~~						
r		9.9	4.78	14.68		
s		10.0	4.78	14.78		

etc

January 10, 1914

ScM Series 148

	MC 4121 Pole Sc. 2		PC
5			5.4
6			6.7
8			7.8
9			8.2 :
10	4.0		8.4
11	out of focus		8.9
12	" " "		9.4
13	5.1		9.8
14	5.6		N
15	5.9		
16	6.2		
17	6.4		
18	7.0		
19	7.4		
20	7.8		
23	8.5		
25	9.0		
26	9.5		
27	9.9		

10 5 ~~4~~5 See page 39

Rec. J. E. M.

Series 139

Se M January 12, 1914

10 45

	Mc 4012 Pole Sc 1	Sc 2	MC4017	Diff.	Pc Sc 2	MC4017	Diff.
5					5.9	7.2	0.59
6					6.4	8.1	0.71
8					8.0	9.1	0.23
9					8.7	9.6	0.13
10	3.4 3.2		4.9	5.62	9.0	9.7	0.02
11	3.9 3.7		5.4	5.65	9.7	n s	-0.15
12	4.3 4.1		5.7	5.56			
13	4.8 4.6		6.3	5.50			
14	5.4 5.2	5.40 00 5.4	6.60	5.25			
15		5.7	6.75	5.38			
16		6.3	7.2	5.10			
17		6.8	7.5	4.83			
18		7.3	7.9	4.76			
19		7.6	8.2	4.82			
20		7.9	8.5	4.83			
23		8.8	9.0	4.54			
25		9.4	9.5	4.47			
26		9.9	9.8	4.43			
27	n.s		n s				

Series 139 copied

Card

Sc M

January 12, 1914

MC 4013 = 68 K

Sc

att. +.17

	Sc1	Sc2	Curve	Magn.	Sc2	Curve	Magn.
1	2.0				7.1	0.47	7.57
2	3.3				8.3 8.8	0.18	8.48
3	35 3.3		67 5.70	.17 9.22	9.0	0.00	9.00
4	39 3.7		.35 5.60	.535 9.30	9.3	-0.05	9.25
5		5.2	5.40 ~~5.59~~	10.60			
6		6.1	5.16	11.26			
7		6.4	5.08	11.48			
8		7.1	4.92	12.02			
9		7.5	4.82	12.32			
10		8.1	4.70	12.80			
11		8.9	4.53	13.43			
12		9.2	4.50	13.70			
13		9.5	4.46	13.96			
14		9.7	4.43	14.13			
15		9.9	4.40	14.30			

Series 139 copied

Card.

Sc. M

January 12, 1914

MC 4014 = 44 K

Bc

alt. +.22

	Sc1	Sc2	Curve	Magn.	Sc2	Curve	Magn.
ε = 1	2.9$^{3.1}$		.		8.7	0.08	8.78
2	3.1$^{3.3}$		.		9.0	0.01	9.01
3	4.0$^{4.2}$		.59 5.~~62~~	9.79	9.9	-0.15	9.75
4	4.2$^{4.4}$		5.5~~9~~6	9.96			
5	4.6^{48}	485 01 4.9	5.49	10.34			
6		5.3	5.39	10.69			
7		5.6	5.31	10.91			
8		5.8	5.25	11.05			
9		6.1	5.16	11.26			
10		6.7	5.01	11.71			
11		7.1	4.92	12.02			
12		7.3	4.88	12.18			
13		7.7	4.79	12.49			
14		8.1	4.70	12.80			
15		8.7	4.58	13.28			
α	B		.		5.7	.	.
β	0.9		.		6.3	0.63	6.93
δ	2.1		.		7.7	0.33	8.03
16		9.4	4.47	13.87			

Se M

Series 139 Copied. Card. 0 37.2 +40 43

January 12, 1914

MC $\overset{5}{4}$014 δ Androm + Gb 116 Alt. +.23

	Se 1	Se 2	Curve	Magn.		Se 2	Curve	Magn.
1	$1.2^{1.4}$					6.9	0.52	7.42
2	$3.7^{3.9}$		5.63	9.53	9.71	9.5	-0.08	9.42
3	$3.9^{4.1}$	$\overset{4.15 \pm 0}{4.2}$	5.60	9.75	9.94			
4		5.6	5.31	10.91	11.12			
5		6.2	5.13	11.33	11.57			
6		6.7	5.01	11.71	11.95			
7		7.2	4.90	12.10	12.34			
8		7.7	4.$\overset{7}{8}$8	12.48	12.73			
9		8.0	4.72	12.72	12.97			
10		8.3	4.66	12.96	13.21			
11		8.5	4.61	13.11	13.37			
12		8.9	4.53	13.43	13.69			
13		9.4	4.47	13.87	14.13			
14		9.7	4.43	14.13	14.38			
15		9.9	4.41	14.31	14.56			

Series 139 Copied Card. 0 46 +33.8

Sc M January 12, 1914

MC 4016 = RR Androm. Sc Alt +.22

	Sc1.	Sc2.		Curve	Magn.	Sc2	Curve	Magn.
a	3.7 3.9			5.63	9.53	9.3	-0.05	9.25
b	4.0 4.2			5.59	9.79	9.8	-0.14	9.66
c	4.1 4.3			5.57	9.87	9.7	-0.12	9.58
d		5.4		5.$\overset{3}{\cancel{4}}$5	10.$\overset{7}{\cancel{8}}$5			
e		5.5		5.$\overset{3}{\cancel{4}}$3	10.83			
f		5.8		5.$\overset{2}{3}$5	11.05			
g		6.1		5.16	11.26			
h		6.7	6.50 6.3	5.05	11.55			
k		7.4		4.85	12.25			
l		7.9		4.75	12.65			
m		8.0		4.72	12.72			
n		8.9		4.52	13.42			
Comp.		9.7		4.44	14.14			
o		8.9		4.52	13.42			
p		8.7	8.60 8.5	4.59	13.19			
α	7.1			~~5.47~~		7.7	0.33	8.03
β	7.6					8.2	0.20	8.40
c2		4.9		5.47	10.37			
h2		7.0		4.94	11.94			
k2		8.2		4.68	12.88			
q		9.3		4.49	13.79			
r		9.7		4.43	14.13			
s		9.8		4.42	14.22			
t		9.9		4.40	14.30			
u		9.8		4.42	14.22			

Added by L. D. Jan 8, 1914

Series 139

Se M January 12, 1914

	MC 4017 Pole		Oc
	Sc 1	Sc 2	Sc 2
5			7.2
6			8.1
8			9.1
9			9.6
10	4.9 4.7		9.7
11	5.4 5.2		n.s.
12	5.7 5.5		
13	6.3 6.1		
14	6.6 6.4	660 0.0 6.6	
15	6.7 6.8 5	6.75 1.0 6.8	
16		7.2	
17		7.5	
18		7.9	
19	8	8.2	
20		8.5	
23		9.0	
25		9.5	
26		9.8	
27		n.s.	

12 18 ~~20~~ ~~See page 43~~

Reduce separately. See Journal

This pole plate is not used. Haven't reduced it for curve J. M. Jan. 19, 1914

M.O.R.

Series 139

De M

January 13, 1914

10 30

	MC 4017 Ode				BC		
	Se1	Se2		Diff.	Se2		
5					7.4	7.40	- 0.91
6					8.1	8.10	- 0.99
8					9.0	9.00	- 0.77
9					9.7	9.70	-0.87
10	4.8 4.6		4.80 a.	4.22	9.9	9.90.	-0.88
11	5.3 5.1	5.3	5.30 00	4.25			
12	5.5 5.3.	5.5	5.50 00	4.36			
13	6.2 6.0.	6.1	6.15 01	4.15			
14	6.5 6.3	6.6	6.55 10	4.10			
15		6.8	6.80	4.28			
16		7.2	7.20	4.20			
17		7.5	7.50	4.13			
18		8.0	8.00	4.06			
19		8.2	8.20	4.22			
20		8.5	8.50	4.23			
23		9.0	9.00	4.34			
25		9.4	9.40	4.47			
26		9.9	9.90	4.43			
27		NS	n.s.	n.s			

Series 139

Copied.

Sc M

January 13, 1914

MC 4018 M Androm. Sc alt. +.73

	Sc 1	Sc 2	Curv	Magn	Sc 2	Curv	Magn
a	$2.3^{2.5}$				8.5	−0.90	7.60
b	$2.0^{2.2}$				8.5	−0.90	7.60
c	$4.0^{4.2}$		4.25	8.45			
d	$3.0^{3.2}$				9.7	$-0.8\overset{3}{9}$	8.87
e	$3.8^{4.0}$		4.26	8.26			
f	$4.8^{5.0}$	$5.0^{5.00\ 0.0}$	4.22	9.22			
g		6.1	4.18	10.28			
h		6.3	4.18	10.48			
k		6.7	4.18	10.88			
l		6.9	4.18	11.08			
m		7.2	4.19	11.39			
n		8.7	4.29	12.99			
o		8.1	4.24	12.34			
p		8.5	4.27	12.77			
q		9.1	4.35	13.45			
r		9.6	4.43	14.03			
s		10.0	4.50	14.50			
m2		7.7	4.21	11.91			

Series 139 Copied. Card.

De M

January 13, 1914

MC 4019 = Gb 512

Alt. +.21

			Curve	Magn.
1	2.1 1.9			
2	2.8 2.6			
3	3.3 3.1			
4	3.5 3.3			
5	4.6 46501 4.4	4.7	4.23	8.88
6	5.4 54000 5.2	5.4	4.20	9.60
7		5.7	4.18	9.88
8		6.2	4.18	10.38
9		7.3	4.20	11.50
10		8.0	4.23	12.23
11		8.3	4.25	12.55
12		8.9	4.32	13.22
13		9.3	4.37	13.67
14		9.7	4.45	14.15
15		9.9	4.48	14.38

	Curve	Magn.
8.7	-0.89	7.81
9.3	-0.86	8.44
9.7	-0.84	8.86

11 15

Interrupted.

Series 139 Copied

Sc M January 13, 1914

3 50 MC 4020 R Trianguli. alt. +.22

Photographic Seq. Vol 47

		Sc 1	Sc 2	Curve	Magn.	
D	a	$2.3^{2.5}$				
D	b	$3.0^{3.2}$				
+ D	c	$3.8^{4.0}$		4.26	8.26	D
	d	$4.1^{4.3}$	$43^{430\,0\,0}$	4.24	8.54	
	e	$4.9^{5.1}$	$5.2^{515\;1.0}$	4.21	9.36	D
	f		6.2	4.18	10.38	
	g		7.2	4.19	11.39	
	h		7.7	4.20	11.90	
	k		8.5	4.27	12.77	D
	l		8.9	4.32	$13.2\overset{2}{3}$	

Vis Seq. Chart.

	Sc 1	Sc 2	Curve	Magn.
c	$1.9^{2.1}$			
n	$6.2^{6.4}$	$6.4^{64\,0\,0\,0}$	4.18	10.58
m		6.1	4.18	10.28
r		7.2	4.19	11.39
s		7.9	4.21	12.11
o		7.1	4.19	11.29
x		8.9	4.32	13.22
t		8.1	4.24	12.34
u		8.1	4.24	12.34
w		8.1	4.24	12.34
y		9.2	4.35	13.55
f	$2.6^{2.8}$			
k				
d	$3.7^{3.9}$			
h	$4.2^{4.4}$	2	4.24	8.64

Series 139 Copied.

SeM

January 13, 1914

MC 4021 ~~RS Persei~~

Alt. +.21

	Sc1	Sc2	Corr.	Magn.
1	B			
2	1.9 1.7			
3	3.9 3.7	3.9 4.0 0.0 3.9	4.27	8.17
4	4.3 4.1	4.30 0.0 4.3	4.24	8.54
5		4.7	4.23	8.93
6		5.3	4.20	9.50
7		6.2	4.18	10.38
8		6.8	4.19	10.99
9		7.2	4.20	11.40
10		7.5	4.20	11.70
11		8.0	4.23	12.23
12		8.7	4.30	13.00
13		9.3	4.37	13.67
14		9.7	4.45	14.15
15		9.9	4.48	14.38

	Corr.	Magn.
8.1	-0.92	7.18
~~9.8~~		

Series 139 Copied.

ScM

January 13, 1914

MC 4022 SZ Persei Alt. +.22

9'

	Sc1	Sc2	Curve	Magn.
1	2.2	2.4		
	3.8	380 00		
2	3.6	3.8		
	4.2	420 00		
3	4.0	4.2	4.25	8.45
4		5.3	4.20	9.50
5		5.7	4.19	9.89
6		6.4	4.18	10.58
7		7.2	4.19	11.39
8		7.7	4.20	11.90
9		8.3	4.25	12.55
10		8.7	4.29	12.99
11		8.9	4.31	13.21
12		9.2	4.35	13.55
13		9.7	4.45	14.15
14		9.7	4.45	14.15
15		?		

4 30

Series 166

Se U

January 19, 1914

9' 45 MC 4355 Pole

	Se 1	Se 2	Se 3 MC4360	Mean			Diff
5							
6							
8							
9							
10	44		4.3	4.35	0	1	4.67
11	49		4.8	4.85	1	0	4.70
12		52	5.2	5.20	0	0	4.66
13		56	5.8	5.70	1	1	4.60
14		59	6.2	6.05	1	2	4.60
15		62	6.5	6.35	2	1	4.73
16		67	6.9	6.80	1	1	4.60
17		69	7.0	6.95	1	0	4.68
18		73	7.5	7.40	1	1	4.66
19		75	7.7	7.60	0	1	4.82
20		79	7.95	7.92	02	03	4.81
23		83	8.30	8.30	00	00	5.04
25		89	8.75	8.82	08	07	5.05
26		9.35 1 9.4 93 . 92	9.20	9.28	07	08	5.05
27		9.70 00 9.7 97 . 95	9.75	9.72	02	03	4.97

	Se 2	Sc. 3	MC4360	Mean.			Diff.
5	5.6		6.05	5.82	22	23	0.67
6	6.1		6.50	6.30	20	20	0.81
8	7.3		7.60	7.45	15	15	0.78
9	7.9		8.20	8.05	15	15	0.78
10	8.2		8.55	8.37	17	18	0.65
11	8.7		9.00	8.85	15	15	0.70
12	9.1	9.10 00 9.1 89	9.35	9.22	12	13	0.64
13	9.5	9.45 10 9.4 92	9.75	9.60	15	15	0.70
14	9.8	9.85 0 1 9.9 97	~~9.88~~	9.85	a	·	0.80
15	10.0	10.00 00 10.0 98		10.00	a	·	1.08

1	2
5	5
-.02	+.04
62	43
6	6
-.10	+.07
13	12
4	4
+.03	+.03

Series 166

Bell

January 19, 1914 Copied

Card.

MC 4356 = V Lacertae BC Alt. +.31

	Sc 1	Sc 2	Sc 3	Curve	Magn.	Sc 2		Sc 2	Curve	Magn.
a	3.7					7.1	7.05 1 0	7.0	0.70	7.78
b		5.2		4.63	9.83	Im. defin.				
c	4.3			4.67	8.97	7.5	7.45 1 0	7.4	0.69	8.14
d	4.6			4.65	9.25	8.2	8.20 0 0	8.2	0.69	8.89
e		5.3		4.63	9.93	9.1	9.10 6 0	9.1	0.71	9.81
f	4.7			4.65	9.35	8.3	8.25 1 0	8.2	0.72	8.97
g		5.3		4.63	9.93	8.9	8.90 0 0	8.9	0.70	9.60
h		5.7		4.62	10.32	9.7	9.60 1 1	9.5	0.74	10.34
k		5.3		4.63	9.93	9.1	9.15 1 0	9.2	0.71	9.86
l		5.8		4.62	10.42					
m		6.1		4.63	10.73					
n		6.7		4.66	11.36					
o		7.1		4.70	11.80					
p		8.1		4.90	13.00					
q		8.3		4.92	13.22					
r		8.8	8.95 2 1 9.1 8.9	5.00	13.95					
s		9.1	913 0 2 3 9.4 8.9 9.2	5.00	14.13					
t		9.5	9.57 ~~9.47~~ 1/2 3 3 9.9 9.3 9.7	5.02	14.59					
u		9.9	9.90 0 2 2 10.1 9.7 9.9	5.04	14.94					
w		f	f							
x										
y										

Series 166

Se ll January 19, 1914 Copied Card.

MC 4357 = R Pegasi. Pc Alt. +.14 Vol 37 + Hagen

		Se1	Se2	~~Se2~~ Curve	Magn.	Se2	Se2	Curve	Magn.
	a	3.2				6.05 0 1 6.0	6.1	0.71	6.76
Near edge	b					5.55 0 1 5.6	5.5	0.73	6.28
	c	3.3				6.05 1 0 6.1	6.0	0.71	6.76
Off plate	d								
	e	3.7				6.85 1 0 6.9	6.8	0.70	7.55
	f	4.1		4.68	8.78	7.70 0 0 7.7	7.7	0.69	8.39
	g	4.1		4.68	8.78	7.75 1 0 7.7	7.8	0.69	8.44
	h	4.7		4.65	9.35	8.70 0 0 8.7	8.7	0.70	9.40
	k	4.3		4.68	8.98	8.40 1 1 8.6	8.3	0.69	9.09
	l	4.8		4.65	9.45	8.75 1 0 8.7	8.8	0.70	9.45
	m		5.3	4.63	9.93	9.70 0 0 9.7	9.7	0.75	10 9.45
	n ~~n~~		7.5	4.83	12.32				
	o		6.3	4.64	10.94				
	p		5.8	4.62	10.42				
	q		6.6	4.65	11.25				
	r		6.3	4.64	10.94				
	s		6.8	4.67	11.47				
	t		7.3	4.72	12.02				
	u		5.2	4.64	9.84	9.60 1 1 9.7	9.5	0.76	10.35
	w		7.9	4.87	12.77				
	x		8.4	8.35 0 1 8.3 4.93	13.28				
	y		8.7	8.70 0 0 8.7 4.97	13.67				
	z		9.2	9.25 0 1 9.3 5.01	14.28				
	α		9.5	9.60 1 1 9.7 5.03	14.63				
	β		9.8	9.85 0 1 9.9 5.04	14.89				

Series 166

Copied in Bk 9a: 89

Dell

January 19, 1914

MC 4358 Wr. S.H. for var (β W Cass) alt +.21

	Sc1	Sc2			Curve	Magn.				Curve	Magn.	Curve	Magn.
1	3.2						6.1	6.10 0 0	6.1	4.63	10.73	0.71	6.81
2	3.9				4.70	8.60	7.0	7.05 0 1	7.1	4.70	11.75	0.70	7.75
3	4.7				4.65	9.35	8.3	8.30 0 0	8.3	4.92	13.22	0.69	8.99
4	5.3	5.3	5.30 0 0		4.63	9.93	9.2	9.25 0 1	9.3	5.01	14.26	0.71	9.96
5		5.6			4.61	10.11	9.8	9.75 0 1	9.9	5.03	14.73	0.75	10.50
6		6.7			4.66	11.36							
7		7.0			4.69	11.69							
8		7.2			4.70	11.90							
9		7.3			4.72	12.02							
10		7.9			4.87	12.77							
11		8.1	8.10 0 0	8.1	4.90	13.00							
12		8.3	8.25 1 0	8.2	4.91	13.16							
13		8.7	8.70 0 0	8.7	4.98	13.68							
14		9.1	9.05 1 0	9.0	5.00	14.05							
15		9.5	9.45 1 0	9.4	5.02	14.47							

Series 166

Sell January 19, 1914 Copied. Card.

MC 4359 V Cass. PD Alt. + .20

	Se1	Se2		Curve	Magn.	Se2		Se2	Curve	Magn.
a	B					53	5.35 ± 0	5.4	0.74	6.8~~4~~9
b	B					5.1	5.10 0 0	5.1	~~0.69~~	
c	4.7			4.65	9.35	83	8.20 1 1	8.1	0.69	8.89
d	4.4			4.66	9.06	82	8.15 0 1	8.1	0.69	8.84
e	4.3			4.67	$\overset{8}{9}$.97	7.7	7.75 1 0	7.8	0.69	8.44
f	4.7			4.65	9.35	8.3	8.30 0 0	8.3	0.69	8.99
g		5.6		4.61	10.$\overset{2}{4}$1	98 ~~9.9~~	9.80 0 0	9.8	0.75	10.55
h		5.4		4.62	10.02	9.5	9.60 1 1	9.7	0.74	10.34
k		5.9		4.62	10.$\overset{5}{4}$2	~~9.9~~				
l		5.9		4.62	10.52	9.9	9.90 0 0	9.9	0.76	10.66
m		6.1		4.62	10.72					
n		6.4		4.63	11.03					
o		6.7		4.67	11.37					
p		7.3		4.72	1$\overset{2}{1}$.02					
q		7.5		4.78	12.28					
r		7.3		4.72	12.02					
s		8.1		4.90	13.00					
t		7.9		4.$\overset{8}{7}$8	12.78					
u		8.3		4.92	13.22					
w		8.1	8.10 0 0	8.1 4.90	13.00					
x		8.7	8.70 0 0	8.7 4.98	13.$\overset{6}{7}$8					
y		9.1	9.05 1 0	9.0 5.00	14.05					
z		9.3	9.40 1 1	9.5 5.02	14.42					
α		9.7	9.75 1 0	9.8 5.03	14.78					

Series 166

Bell January 19, 1914

	MC 4360 Sc 1	Sc 2		Sc.2?	BC Sc 2		Sc 2
5					6.1	6.05 1 0	6.0
6					6.6	6.50 1 1	6.4
8					7.7	7.60 1 1	7.5
9					8.2	8.20 0 0	8.2
10	4.3				8.6	8.55 0 1	8.5
11	4.8				9.0	9.00 0 0	9.0
12		5.2			9.3	9.35 1 0	9.4
13		5.8			9.7	9.75 1 0	9.8
14		6.2					
15		6.5					
16		6.9					
17		7.0					
18		7.5					
19		7.7					
20		8.0	7.95 0 1	7.9			
23		8.3	8.30 0 0	8.3			
25		8.8	8.75 0 1	8.7			
26		9.2	9.20 0 0	9.2			
27		9.8	9.75 0 1	9.7			

12 3.0

See page 55

45 minutes spent in getting plates, and adding stars to sequences

January 21, 1914

Scale II

Series 166

MC 4360 Pole

9.45

				MC4366	Mean			Diff
5								
6								
8								
9	Sc1							
10	4.3			4.6	4.45	1	2	4.57
11	5.0 Sc.2			5.0	5.00	0	0	4.55
12	5.4			5.3	6.35	0	1	4.51
13	5.6			5.9	5.75	2	1	4.55
14	6.2			6.3	6.25	0	1	4.40
15	6.5			6.6	6.50	0	0	4.58
16	6.8			6.9	6.85	0	1	4.55
17	7.0			7.0	7.00	0	0	4.63
18	7.4			7.5	7.45	0	1	4.61
19	7.9		Sc.2	7.90	7.90	~~00~~	~~00~~	4.52
20	8.2	8.25 0 1	8.3	8.05	8.15	10	10	4.58
23	8.4	8.55 2 1	8.7	8.55	8.55	00	00	4.79
25	9.0	9.00 0 0	9.0	8.95	8.98	02	03	4.89
26	9.4	9.35 0 1	9.3	9.50	9.42	07	08	4.91
27	9.9	9.85 1 0	9.8	n.S	9.85	a		4.84

P.C Sc.2		Sc.2	MC4366	Mean			Diff.
5.9	5.95 1 0	6.0	5.45	5.70	25	25	0.79
6.4	6.40 0 0	6.4	6.15	6.28	12	13	0.83
7.4	7.40 0 0	7.4	7.20	7.32	08	07	0.91
8.3	8.25 1 0	8.2	8.05	8.15	10	10	0.68
8.5	8.50 0 0	8.5	8.40	8.45	05	05	0.57
8.9	8.90 0 0	8.9	8.95	8.92	02	03	0.63
9.3	9.30 0 0	9.3	9.30	9.30	00	00	0.56
9.7	9.75 1 0	9.8	9.85	9.80	05	05	0.50
Ft		Ft.					

55 55
4 4
+.14 -.14

02 03
4 4
+.00 +.01

63 52
8 8
+.07 -.06

3 3
5 5
-.06 +.06

0 2
4 4
.00 +.05

05 05
5 5
+.01 -.01

25 45
14 14
-.02 +.03

9.54
J.C.M.

Series 166

Dell January 21, 1914 Copied. Card

10 00 MC 4361 = V Boti Alt. -.08 (Vol 57 r Hagen)

	Se1	Se2				Curve	Magn.	Se2 -			Se2		
a	4.1							7.2	7.15	0 1	7.1	0.80	7.95
b	4.3					4.58	8.88	7.7	7.70 -	0 0	7.7	0.75	8.45
c		4.7				4.55	9.25	8.7	8.65	1 0	8.6	0.65	9.30
d		5.7				4.52	10.22	9.9	9.90	0 0	9.9	0.48	10.38
e		5.7				4.52	10.22	9.9	9.85	1 0	9.8	0.49	10.34
f		6.1				4.53	10.63						
g		6.6				4.58	11.18						
h		7.7				4.65	12.35						
k		7.2				4.60	11.80						
l		8.3 ~~8.2~~				4.71	13.01						
m		8.2				4.70	12.90						
n		8.8	8.80	00	8.8	4.79	13.59						
o		8.5	8.50	0 0	8.5	4.75	13.25						
p		9.0	9.05	0 1	9.1	4.81	13.86						
q		9.4	9.50	1 1	9.6	4.88	14.38						
r		9.8	9.85	0 ½	9.9	4.92	14.72						

Series 166

Sell January 21, 1914 Copied. Card.

MC 4362 W Ceti Sc alt. .20 (Print)

	Se1	Se2		Curve	Magn.	Se2		Curve	Magn.
a	3.7			.		6.7	6.70 00 6.7	0.81	7.51
b	4.1			.		7.2	7.20 00 7.2	0.79	7.99
c	4.8			4.55	9.35	8.7	8.70 00 8.7	0.64	9.34
d		5.1		4.53	9.63	9.1	9.15 1 0 9.2	0.59	9.74
e		5.3		4.52	9.82	9.3	9.50 2 2 9.7	0.52	10.02
f		5.9		4.52	10.42	F ~~9.9~~	F	.	.
g		5.7		4.52	10.22	9.9	9.85 9.8	0.48	10.33
h		6.2		4.53	10.73				
k		7.1		4.60	11.70				
l		7.7		4.65	12.35				
m		7.9	7.90 00 7.9	4.67	12.57				
n		7.4		4.62	12.02				
o		8.2	8.25 01 8.3	4.70	12.95				
p		8.2	8.20 00 8.2	4.70	12.90				
q		~~8~~ 9.1	9.20 1 1 9.3	4.84	14.04				
r		n.s.		.	.				
s		8.7	8.70 00 8.7	4.77	13.47				

Poor plate – does not show faint stars.

Series 166 Copied.

Sell January 21, 1914 Card.

Mc 4363 R Bass. Bc Alt. +.22

		Ser 1	Ser 2			Curve	Magn.	Bc Ser 2		Curve	Magn.
Off Plate	a	~~3.7~~						~~5.9~~			
" "	b										
" "	c										
" "	d										
" "	e										
	f	3.2						5.80 1 1 5.9	5.7	0.84	6.64
	g	3.3						6.10 0 0 6.1	6.1	0.82	6.92
	h	3.0						5.75 0 1 5.8	5.7	0.84	6.59
	k	3.7						6.75 0 1 6.8	6.7	0.81	7.56
	l	4.1						8.00 0 0 8.0	8.0	0.73	8.73
	m	4.1						7.80 1 1 7.9	7.7	0.74	8.54
	n	4.6				4.55	9.15	8.60 1 1 8.7	8.5	0.65	9.25
	o		6 5.7			4.52	10.12				
	p		6.8			4.59	3 11.49				
Scratched	q		–								
	r		6.2			4.53	10.73				
	s		7.1			4.60	11.70				
	t		7.3			4.61	11.91				
	u		7.9			4.67	12.57				
	w		8.3	8.35 1 0	8.4	4.72	13.07				
	x		* 8.5	8.60 1 1	8.7	4.75	~~13.35~~				
	y		9.1	9.05 1 0	9.0	4.81	13.86				
	z		9.3	9.30 0 0	9.3	4.85	14.15				
	α		9.7	9.70 0 0	9.7	4.90	14.60				
	β		n.s								
	n2		5.1			4.53	9.63				

12 00

Interrupted

*Reject measure. Star x within one or two tenths of a magnitude of star y. Confirmed by two observers.

G.F.M. April 21, 1916

Series 166 Copied.

Sell January 21, 1914 Card.

1 15 MC 4364 TW Andromedae . Alt +.20

a
b
c
d
e
f
g
h
k
l
m
m2
n
o
p
q
r

MC 4363

	Se. 2		
w	8.6	8.7	8.8
x	9.1		9.1
y	9.3		9.2
z			9.7

Series 166 Copied.

Sell January 21, 1914 Card.

1 15 MC 4364 TW Andromedae . Alt. +.20

a
b
c
d
e
f
g
h
k
l
m
m2
n
o
p
q
r

G.F.M. Mc 4363 Scale Ma

Sc. n

Sc. w

W —	8.8	w	8.9
~~W — 8.8~~		w'	98.3
X —	9.1	x	9.4 9.5
Y —	9.2.	y	9.7 9.8
Z —	9.7.	z	9.7

Series 166 Copied.

Dell January 21, 1914 Card.

1 15 MC 4364 TW Andromedae Alt. +.20

	Se1	Se2			Curve	Magn.			Curve	Magn.
a	4.1						7.7	7.75 1 0 7.8	0.75	8.50
b	4.3				4.58	8.88	7.8	7.90 1 1 8.0	0.73	8.63
c	4.7				4.55	9.25	8.3	8.35 1 0 8.4	0.69	9.04
d	4.9				4.53	9.43	defective?			
e	4.9				4.53	9.43	8.5	8.60 8.7	0.65	9.25
f		5.3			4.52	9.82	9.3	9.20 1 1 9.1	0.58	9.78
g		6.0			4.53	10.53				
h		6.2			4.53	10.73				
k		6.7			4.58	11.28				
l		7.2			4.60	11.80				
m		7.3			4.61	11.91				
m2		7.7			4.65	12.35				
n		8.1	8.10 0 0	8.1	4.69	12.79				
o		8.5	8.50 0 0	8.5	4.74	13.24				
p		8.8	8.75 0 1	8.7	4.78	13.53				
q		9.3	9.25 1 0	9.2	4.85	14.10				
r		9.7	9.75 1 0	9.8	4.90	14.65				

Davies 166

Dell January 21, 1914 Copied

Card.

NGC 4365 117 K Bc alt. -.17

	Sc 2			Curve	Magn.			Curve	Magn.
							9.15 1 0		
1	5.0			4.53	9.53	9.1	9.2	0.59	9.74
							9.60 1 1		
2	5.4			4.52	9.92	9.7	9.5	0.51	10.11
							9.85 1 0		
3	5.9			4.52	10.42	9.9	9.8	0.49	10.34
4	5.9			4.52	10.42				
5	6.3			4.55	10.85				
6	7.1			4.60	11.70				
7	7.7			4.65	12.35				
8	7.9			4.66	12.56				
9	8.1			4.69	12.79				
10	8.4			4.73	13.13				
		8.50 0 0							
11	8.5		8.5	4.74	13.26 4				
		8.70 0 0							
12	8.7		8.7	4.77	13.47				
		9.05 0 1							
13	9.0		9.1	4.81	13.86				
		9.45 0 1							
14	9.4		9.5	4.87	14.32				
		9.80 0 0							
15	9.8		9.8	4.91	14.71				

Series 166

Sell January 21, 1914

MC 4366 Pole

1.41

	sc 2		P.C. sc 2
5			5.45 01 5.4 5.5
6			6.15 10 6.1 6.2
8			7.25 01 7.2 7.3
9			8.05 01 8.0 8.1
10	4.6		8.40 11 8.3 8.5
11	5.0		8.95 10 8.9 9.0
12	5.3		9.30 00 9.3 9.3
13	5.9		9.85 10 9.9 9.8
14	6.3		n.s.
15	6.5		
16	6.9		
17	7.0		
18	7.5		
19	7.90 00 7.9 7.9		
20	8.05 10 8.1 8.0		
23	8.55 01 8.6 8.5		
25	8.95 01 9.0 8.9		
26	9.50 00 9.5 9.5		
27	n.s.		
28			

See page 61

M.O.R.

1:48

Series 138

Se U

January 27, 1914

11 30 MC 3998 Pole

	Se 1	Se 2		MC 4003	Mean			Diff.
10	4.3			4.7	4.50	2	2	4.52
11	4.7			5.2	4.95	3	2	4.60
12	5.3			5.7	$5.5\overset{0}{8}$	2	2	$4.3\overset{6}{1}$
13	5.5			6.0	5.75	3	2	4.55
14		5.9		6.3	6.10	2	2	4.55
15		6.1		6.5	6.30	2	2	4.78
16		6.4		6.8	6.60	2	2	4.80
17		6.8		7.1	6.95	2	1	4.68
18		7.3		7.5	7.40	1	1	4.66
19		7.7		7.8	7.75	1	0	4.67
20		8.0	8.00 00 8.0	8.00	8.00	00	00	4.73
23		8.7	8.60 11 8.5	8.45	8.52	08	07	4.82
25		9.2	9.20 00 9.2	8.90	9.05	15	15	4.82
26		9.7	9.70 00 9.7	9.40	9.55	15	15	4.78
27		8		9.75	9.75	·	a	4.94
				7	7	·	·	

BC

	Se 2	MC 4003	Mean			Diff.
5	5.75 01 5.8 5.7	5.85	5.80	05	05	0.69
6	6.30 00 6.3 6.3	6.50	6.40	10	10	0.71
8	7.35 01 7.4 7.3	7.45	7.40	05	05	0.83
9	7.95 01 8.0 7.9	8.10	8.02	07	08	0.81
10	8.30 00 8.3 8.3	8.30	8.30	00	00	0.72
11	8.90 00 8.9 8.9	8.95	8.92	02	03	0.63
12	9.30 00 9.3 9.3	9.30	9.30	00	00	0.56
13	9.90 00 9.9 9.9	9.80	9.85	05	05	0.45

27 28
4 4
-.07 +.07

~~02~~
03 -02
4 4
+.01 +.00

24 26
8 8
-.03 +.03

12 10
5 5
-.024 +.020

7 6
4 4
-.18 +15

28 37
5 5
+.06 -07

162 123
14 14
-.12 +.09

copied.

Series 138

copied

Sc U

January 27, 1914

Card

MC 3999 = 69 K

	Sc1.	Sc2		Curve	Magn.
1	3.9				
2	4.2			~~4.58~~	~~8.78~~
3	4.7			'40 4.~~55~~	'10 9.~~25~~
4	5.3			·0 4.5~~2~~	·0 9.8~~2~~
5		5.7		·5 4.5~~2~~	·5 10.2~~2~~
6		5.9		·7 4.5~~2~~	·7 10.4~~2~~
7		6.3		'61 4.~~55~~	·91 10.~~85~~
8		6.8		'66 4.~~59~~	·46 11.~~39~~
9		7.2		7. 4.~~6~~1	9 11.~~8~~1
10		8.1		77 4.~~69~~	'87 12.~~79~~
11		8.4	8.35 0̇1	8.3 4.79	14 13.~~26~~
12		8.7	8.70 00	'80 8.7 4.~~77~~	50 13.4~~7~~
13		8.9	8.95 10	2 9.0 4.8~~2~~	·7 13.7~~5~~
14		9.2	9.20 00	·3 9.2 4.8~~4~~	·3 14.0~~4~~
15		9.6	9.55 01	9.5 4.85	14.40

BD

alt. +.17

Sc2	Curve	Magn.
6.70 00 6.7 . 6.7	0.~~82~~ .77	7.~~52~~ 47
7.15 01 7.2 . 7.1	78 0.~~82~~	·3 7.9~~5~~
8.30 00 8.3 . 8.3	71 0.~~69~~	9.01 ~~8.99~~
9.15 01 9.2 . 9.1	·6 0.5~~8~~	·1 9.7~~3~~
9.80 00 9.8 9.8	4 0.4~~8~~	·4 10.2~~8~~

Series 138

copied

Sc U

January 27, 1914

Card.

MC 4000 R W Bass. Sc

Alt. +.21

	Se1	Se2		Curve	Magn.	Se2		Curve	Magn.
a	4.2					7.7	7.70 0.0 7.7	0.77	8.47
à		5.3		4.50	9.80	9.2 ~~8.7~~	9.25 0.1 9.3	0.55	9.80
b		6.0		4.58	10.58				
c		4.9		4.54	9.44				
d		5.8		4.56	10.36				
e		6.8		4.67	11.47				
f		7.2		4.71	11.91				
g		7.7		4.75	12.45				
h		7.9		4.76	12.66				
k		8.1		4.77	12.87				
l		8.7	8.75 1.0 8.8	4.81	13.56				
m		9.2	9.25 0.1 9.3	4.82	14.07				
n		9.7	9.70 0.0 9.7	4.84	14.54				
o		9.9	9.85 1.0 9.8	4.84	14.69				
α	3.8					5.7		0.68	6.38

Series 138

Copied.

Sell

January 27, 1914

Card

MC 4001 Gb 457 BC Alt. + 2.21

	Se1	Se2			Curve	Magn.	BC			Curve	Magn.
1	4.0						7.2	7.15 0 1	7.1	0.79	7.94
2	4.3						7.7	7.60 1 1	7.5	0.78	8.38
3	4.6				4.39	8.99	8.3	8.40 1 1	8.5	0.70	9.10
4		5.2			4.49	9.$\overset{6}{7}$9	8.9	8.95 1 0	9.0	0.61	9.56
5		5.9			4.57	10.47	9.9	9.90 0 0	9.9	0.42	10.32
6		6.2			4.60	10.80					
7		6.5			4.63	11.13					
8		6.7			4.66	11.36					
9		7.7			4.75	12.45					
10		8.1			4.77	12.87					
11		8.5	8.45 1 0	8.4	4.80	1$\overset{3}{2}$.25					
12		8.7	8.70 0 0	8.7	4.81	13.51					
13		9.1	9.20 1 1	9.3	4.83	14.03					
14		9.5	9.60 1 1	9.7	4.84	14.44					
15		9.9	9.90 0 0	9.9	4.84	14.74					

Series 138 Copied

Do W January 27, 1914 Card.

MC 4002. S Arietis 80 Att. + 16

				Curve	Magn.				Curve	.5
a	3.8					67	6.75 1 0	68	0.77	7.$\overset{5}{9}$2
b	4.2					77	7.75 1 0	78	0.76	8.51
c	4.8			4.43	9.23	90	9.00 0 0	90	0.61	9.61
d	4.6			4.39	8.99	87	8.70 0 0	87	0.65	9.35
e	50			$4.\overset{45}{\cancel{58}}$	9.45	91	9.05 1 0	90	0.60	9.65
e1	54			$4.\overset{5}{\cancel{6}}2$	9.92					
f	58			$4.\overset{56}{\cancel{67}}$	10.36					
g	58			$4.\overset{56}{\cancel{67}}$	10.36					
h	62			$4.\overset{6}{7}1$	10.81					
k	64			$4.\overset{6}{7}2$	11.02					
l	65			$4.\overset{64}{\cancel{73}}$	11.14					
Double – m										
n	71	7.15 1 0	72	4.70	11.85					
o	77	7.70 0 0	77	4.75	12.45					
p	82	8.15 0 1	81	4.77	12.92					
q	83	8.30 0 0	83	$4.\overset{78}{\cancel{80}}$	13.08					
r	85	8.50 0 0	85	4.80	13.30					
s	89	8.90 0 0	89	4.81	13.71					
t	91	9.10 0 0	91	4.82	13.92					
u	95	9.45 1 0	94	4.84	14.29					
w	95	9.50 0 0	95	4.84	14.34					
x	97	9.70 0 0	97	4.84	14.54					
~~y~~	~~99~~		~~99~~							

Series 138

Bell January 27, 1914

MC 4003 Pole

				P.C.
5				5.85 1 0 5.9 5.8
6				6.50 0 0 6.5 6.5
8				7.45 1 0 7.5 7.4
9				8.10 0 0 8.1 8.1
10	4.7			8.30 0 0 8.3 8.3
11		5.2		8.95 0 1 9.0 8.9
12		5.7		9.30 0 0 9.3 9.3
13		6.0		9.80 0 0 9.8 9.8
14		6.3		
15		6.5		
16		6.8		
17		7.1		
18		7.5		
19		7.8		
20		8.0	8.00 0 0 8.0	
23		8.5	8.45 1 0 8.4	
25		8.9	8.90 0 0 8.9	
26		9.3	9.40 1 1 9.5	
27		9.8	9.75 0 1 9.7	
28		F.		

1 00 See page 68

20 minutes - interruption

Davis 138

Dell

January 28 1914

		MC 4003	Pole	MC4009	Mean		Diff.	P.C.	Rem.	MC4009	Mean		Diff.
10 56?	5a							5.7	5.70 00 5.7	6.15	5.92	22 23	0.57
	6f							6.4	6.40 0 0 6.4	6.75	6.58	18 17	0.53
	8							7.4	7.45 0 1 7.5	7.60	7.52	07 08	0.71
	9							8.0	8.05 0 1 8.1	8.30	8.18	13 12	0.65
	10	4.7		4.7	4.70	00	4.32	8.3	8.30 00 8.3	8.50	8.40	10 10	0.62
	11	5.2		5.2	5.20	00	4.35	8.9	8.95 1 0 9.0	9.00	8.98	03 02	0.57
	12	5.5		5.50	5.50	00 00	4.36	9.4	9.40 00 9.4	9.55	9.48	08 07	0.38
	13	5.9		5.9	5.90	00	4.40	9.8	9.80 00 9.8	9.90	9.85	05 05	0.45
	14	6.3		6.2	6.25	10	4.40						
	15	6.5		6.5	6.50	00	4.58						
	16	6.9		6.9	6.90	00	4.50						
	17	7.1		7.1	7.10	00	4.53						
	18	7.4		7.5	7.45	01	4.61						
	19	7.8		7.8	7.80	00	4.62						
	20	8.0	7.95 0 1 7.9	8.05	8.00	05 05	4.73						
	23	8.5	8.45 1 0 8.4	8.45	8.45	00 00	4.89						
	25	8.9	8.95 1 0 9.0	8.95	8.95	00 00	4.92						
	26	9.5	9.45 1 0 9.4	9.50	9.48	03 02	4.85						
	27	9.8	9.80 00 9.8?	9.90	9.85	05 05	4.84						
10 57	28	A.S.		n.S.									

60	60
4	4
∓.15	+.15
26	24
4	4
-.06	+.06
86	84
8	8
-.11	+.10

S

1	0
5	5
+.02	.00
0	1
5	5
-.00	+.02
13	12
5	5
-.03	+.02
03	22
15	15
+.00	+.01

copied

I.E.H. Rec.

Series 138

Copied

Sc U

January 28, 1914

Card.

11 05 Mc 4004 Z Cephei. BC Alt. +.10

	Sc 1	Sc 2			Curve	Magn.	Sc 2			Curve	Magn.
a		5.7			4.37	10.07	9.7	9.70 0 0	9.7	0.47	10.17
b		6.0			4.39	10.39	10.0	10.00 0 0	10.0	0.43	10.43
c		6.2			4.42	10.62					
d		6.3			4.43	10.73					
e		6.5			4.46	10.96					
f		6.8			4.51	11.31					
g2		7.2			4.58	11.78					
g		7.6			4.65	12.25					
h		7.9			4.71	12.61					
k		8.3			4.77	13.07					
l		8.5	8.45 1 0	8.4	4.80	13.25					
m′		8.7	8.65 1 0	8.6	4.85	13.50					
n′		9.0	9.00 0 0	9.0	4.88	13.88					
o′		9.4	9.45 0 1	9.5	4.87	14.32					
p		9.9	9.99 0 0	9.9	4.82	14.72					
α		5.1			4.32	9.42	8.9	8.95 1 0	9.0	0.57	9.52

Series 138

Copied

Sell

January 28, 1914

Card.

MC 4005 B Trianguli 8C

Alt +.72

		Sc1	Sc2	Curve	Magn.	Sc2		Curve	Magn.	
a	a	3.3				6.0	6.05 0 1 6.1	0.55	6.60	
~~b ≠~~	~~b~~	~~3.6~~				6.5	6.40 1 1 6.3	0.58	6.98	uncertain which "b" was measured
black	c	3.2				6.0	5.95 0 1 5.9	0.54	6.49	
~~d ≠~~	~~d~~	~~4.2~~				7.4	7.35 0 1 7.3	0.63	7.98	uncertain which "d" was measured
b =	e	3.8				6.7		0.60	7.30	
see below c = *	f	4.2				7.3		0.62	7.92	
d =	g	4.3		4.30	8.60	7.8		0.64	8.44	
	h	4.6		4.31	8.91	8.7		0.59	9.29	
e =	k	4.9		4.32	9.22	8.5	8.50 0 0 8.5	0.60	9.10	
f =	l	5.7	5.7	4.37	10.07	9.7	9.60 1 1 9.5	0.48	10.08	
	m	5.7	5.7	4.37	10.07	9.5	9.50 0 0 9.5	0.50	10.00	
	n		5.9	4.38	10.28					
	o		6.2	4.42	10.62					
g =	p		6.5	4.46	10.96					
h =	q		6.8	4.51	11.31					
	r		6.4	4.44	10.84					
	s		7.1	4.57	11.67					
	t		7.2	4.58	11.78					
	u		7.4	4.61	12.01					
	w		7.1	4.57	11.67					
	x		8.2	4.76	12.96					
v	v		7.9	4.71	12.61					
	y		8.3	4.77	13.07					
k	k		7.7	4.67	12.37					
see above* red	c	4.2				7.2	7.25 0 1 7.3	0.63	7.88	

Series 138

copied.

Sc U

January 28, 1914

Card.

MC 4006 S T Persei Sc alt. + 23

	Sc1	Sc2		Curve	Magn.	Sm super.	Curve	Magn.
a	3.9							
b	4.1					7.75 1 0 7.7 7.8	0.64	8.39
c	4.2					7.70 0 0 7.7 7.7	0.64	8.34
d		4.9		4.31	9.21	8.90 0 0 8.9 8.9	0.57	9.47
e		5.0		4.32	9.32	8.90 1 1 9.0 8.8	0.57	9.47
f		5.7		4.37	10.07	9.75 1 0 9.7 9.8	0.47	10.22
g		6.0?		4.39	10.39?	Almost super. on image of "d"		
h		6.2		4.41	10.61			
k		6.9		4.52	11.42			
l		7.2		4.58	11.78			
m		7.8		4.69	12.49			
n		8.1		4.75	12.85			
o		8.5	8.45 1 0 8.4	4.81	13.26			
p		8.7	8.60 1 1 8.5	4.84	13.44			
q		9.0	8.95 0 1 8.9	4.87	13.82			
r		9.4	9.45 0 1 9.5	4.87	14.32			
s		9.7	9.75 1 0 9.8	4.84	14.59			
t		10.0	10.00 0 0 10.0					

Series 138

Bell January 28, 1913 Copied.

MC 4007 U Arietis BC Alt. +.17

	Sc1	Sc2			Curve	Magn.				Curve	Magn.
a	43				4.30	8.69	75	7.50 0 0	75	0.64	8.14
b	46				4.31	8.91	82	8.10 1 1	80	0.63	8.73
c		52			4.33	9.53	89	8.80 1 1	87	0.58	9.38
d		55			4.35	9.85	9.1	9.10 0 0	9.1	0.54	9.64
e		62			4.42	10.62	9.9	9.90 0 0	9.9	0.45	10.35
f		65			4.46	10.96					
g		74			4.60	12.00					
h		72			4.58	11.78					
k		79			4.71	12.61					
l		82			4.76	12.96					
m		85			4.82	13.32					
n		85			4.82	13.32					
o		85			4.82	13.32					
p		87	8.60 1 1	85	4.84	13.44					
q		87	8.70 0 0	87	4.85	13.55					
r		87	8.70 0 0	87	4.85	13.55					
s		~~95~~ 89	8.95 1 0	90 ~~95~~	4.88	13.83					
t		93 ~~98~~	9.30 0 0	93 ~~98~~	4.88	14.18					
u		97	9.70 0 0	97	4.85	14.55					

Series 138 Copied

Sell January 28, 1914

Mc 4008 RS Persei SC Alt. +23

	Se 1	Se 2			Curve	Magn.	SC		Curve	Magn.
Double D a							8.3		0.61	8.91
a'							9.2		0.54	9.74
b	4.6				4.31	8.91	8.0	7.95 0 1 7.9	0.64	8.59
c		5.2			4.33	9.53	9.0	9.00 0 0 9.0	0.56	9.56
d		6.1			4.40	10.50				
e		5.6			4.36	9.96 D	9.3	9.30 0 0 9.3	0.52	9.82
f		5.7			4.37	10.07	9.5	9.40 1 9.3	0.51	9.91
g		6.3			4.43	10.73				
h		5.9			4.39	10.29				
k		6.5			4.46	10.96				
l		6.9			4.53	11.43				
m		7.1			4.57	11.67				
n		7.3			4.60	11.90				
o		7.5			4.62	12.12				
p		8.2			4.76	12.96				
q		8.3			4.78	13.08				
r		8.6			4.83	13.43				
s		8.9	8.95 1 0	9.0	4.88	13.83				
t		9.2	9.25 0 1	9.3	4.88	14.13				
u		9.5	9.50 0 0	9.5	4.87	14.37				
v		9.7	9.75 1 0	9.8	4.84	14.59				
x		9.9	9.90 0 0	9.9	4.82	14.72				
à	4.1						7.3	7.25 1 0 7.2	0.63	7.88

Series 138

Sell January 28 1914

McYoug Cole

	Se 1	Se 2		
5				6.15 0 1 6.2 6.1
6				6.75 1 0 6.7 6.8
8				7.60 1 1 7.7 7.8
9				8.30 0 0 8.3 8.3
10	4.7			8.50 0 0 8.5 8.5
11	5.2			9.00 0 0 9.0 9.0
12	5,5	5.50 0 0 5.5		9.55 1 0 9.5 9.6
13		5.9		9.90 0 0 9.9 9.9
14		6.2		
15		6,5		
16		6.9		
17		7.1		
18		7.5		
19		7.8		
20		8,1	8.05 1 0 8.0	
23		8.5	8.45 1 0 8.4	
25		8.9	8.95 1 0 9.0	
26		9.5	9.50 0 0 9.5	
27		9.9	9.90 0 0 9.9	

1 00 See page 74

30 interruption

Series 147

Copied.

Sc 11 D10 February 7, 1914

9 ~~4~~5 MC 4098 Alt. -.27

Bc

		Se 1	Se 2	Curve	Magn.	Se 2	Curve	Magn.		Se 1		Curve	Magn.
On edge W.S	1	~~5.3~~	~~5.3~~			7.2 7.20 0.0 ~~9.3~~ 7.2	0.4~~3~~6	7.66	29	7.8		4.69	12.49
	2	4.1		.		7.15 0.1 7.2 7.1	0.4~~2~~5	7.60	30	8.0		4.71	12.71
On edge	3					7.50 0.0 7.5 7.5	0.4~~5~~9	7.99	31	8.2		4.73	12.93
On edge.	4					7.60 1 1 7.7 7.5	0.~~46~~50	8.10	32	8.3		4.75	13.05
	5					7.75 0.1 7.8 7.7	0.~~47~~51	8.2~~7~~6	33	9.0	9.00 0.0 9.0	4.84	13.84
	6					7.8	0.~~48~~52	8.32	34a	8.9	9.00 1 1 9.1	4.84	13.84
	7	4.3		.		8.1	0.53	8.63	35a	9.2	9.20 0.0 9.2	4.86	14.06
	8		4.7	4.48	9.18	8.3	0.56	8.86	36	9.7	9.70 0.0 9.7	4.91	14.61
	9					8.5	0.57	9.07	37	10.0	9.95 0.1 9.9	4.93	14.88
	10					8.3	0.56	8.86	38	w.s		.	
	11					8.8	0.57	9.37	~~39~~				
	12		5.1	4.49	9.59	8.9	0.57	9.47	~~40~~				
	13		5.3	4.49	9.79	9.3	0.55	9.85					
	14		5.2	4.49	9.69	9.3	0.55	9.85					
	15		5.9	4.51 ~~5.01~~	10.41	–							
	16		5.0	4.48	9.48	9.7	0.50	10.20					
Poor image	17		5.6	4.50 ~~5.00~~	10.10	ns	.						
	18		5.7	4.51 ~~5.01~~	10.21	9.7	0.50	10.20					
	19		6.3	4.52 ~~5.02~~	10.82								
	20		6.7	4.55 ~~5.05~~	11.25								
	21		6.4	4.53 ~~5.03~~	10.93								
	22		6.8	4.56 ~~5.06~~	11.36								
	23		6.3	4.52 ~~5.02~~	10.82								
	24		6.7	4.55 ~~5.05~~	11.25								
	25		7.3	4.62	11.92								
	26		7.2	4.60	11.80								
	27		7.1	4.59	11.69								
	28		7.3	4.62	11.92								

Series 147

ia

Sell

February 2, 1914.

10:46

MC 4099

5		sc 2				
6						
8						
9			MC4103	Mean		Diff.
10	4.8		4.8	4.80	0 0	4.22
11	5.0		4.9	4.95	0 1	4.60
12	5.3		5.3	5.30	0 0	4.56
13	6.0		5.8	5.90	1 1	4.40
14	6.3		6.3	6.30	0 0	4.35
15	6.5		6.5	6.50	0 0	4.58
16	6.9		6.9	6.90	0 0	4.50
17	7.1		7.1	7.10	0 0	4.53
18	7.5		7.5	7.50	0 0	4.56
19	7.8		7.8	7.80	0 0	4.62
20	8.1	8.00 1 1 7.9	8.0	8.00	00 00	4.73
23	8.5	8.50 0 0 8.5	8.50	8.50	00 00	4.84
25	9.0	9.05 0 1 9.1	8.95	9.00	05 05	4.87
26	9.5	9.50 0 0 9.5	9.40	9.45	05 05	4.88
27	9.9	9.90 0 0 9.9	9.80	9.85	05 05	4.84
28	n.s.		10.05	10.05	· a	5.06

1 2
5 5
+.02 -.04

0 0
5 5
.00 .00

15 15
5 5
+.03 -.03

25 35
15 15
+.02 -.02

copied.

P.C

sc 2	sc 2	MC4103	Mean		Diff
6.2	6.15 0 1 6.1	6.20	6.18	03 02	0.31
6.7	6.75 1 0 6.8	6.70	6.72	03 02	0.39
7.8	7.75 0 1 7.7	7.75	7.75	00 00	0.48
8.1	8.10 0 0 8.1	8.15	8.12	02 03	0.71
8.3	8.30 0 0 8.3	8.30	8.30	00 00	0.72
9.0		8.9	8.95	0 1	0.60
9.5		9.3	9.40	1 1	0.46
9.9		9.8	9.85	1 0	0.45
n.s.					

02 03
4 4
+.00 +.01

2 2
4 4
+.05 -.05

18 17
8 8
+.021 -.021

M.O.R.

10:52

Series 141

Copied.

Scale U

February 2, 1914

MC 4100 = By

Bc Alt. +1.0

		Sc 1	Sc 2	Curve	Magn.	Sc 2	0 1		Curve	Magn.
	1	3.2				6.2	6.25 0 1	6.3	0.33	6.58
Too faint c	2	3.2				6.5	6.60 1 1	6.7	0.37	6.97
Too faint c.	3					6.5	6.45 1 0	6.4	0.36	6.81
Off Plate	4									
" "	5									
" "	6									
	7	4.1				7.3	7.40 1 1	7.5	0.48	7.88
	8	4.0				7.2	7.20 0 0	7.2	0.45	7.65
Too faint c	9	4.1				7.5			0.49	7.99
	10	4.1				7.7			0.50	8.20
	11	4.3				8.2			0.55	8.75
	12	4.3				8.3			0.56	8.86
	13		5.1	4.49	9.59	8.7			0.57	9.27
	14	4.9		4.48	9.38	8.7			0.57	9.27
	15		5.2	4.49	9.69	9.7			0.49	10.19
	16		5.4	4.50	9.90	9.8			0.48	10.28
	17		5.9	4.51	10.41					
	18		6.7	4.55	11.25					
	19		6.6	4.55	11.15					
	20		6.6	4.55	11.15					
	21		7.1	4.60	11.70					
	22		6.7	4.55	11.25					
	23		7.2	4.61	11.81					
	24		7.2	4.61	11.81					
	25		7.7	4.67	12.37					
	26		7.7	4.67	12.37					
	27		7.9	4.70	12.60					
	28a		8.3	4.75	13.05					

				Curve	Magn.
28a	8.1			4.72	12.82
28b	8.8			4.82	13.62
28c	9.0			4.84	13.84
29	9.3	9.20 1 1	9.1	4.86	14.06
30	9.3	9.25 1 0	9.2	4.87	14.12
31	~~8.5~~ 9	9.50 0 0	9.5	4.88	14.38
32	9.5	9.60 1 1	9.7	4.89	14.49
33	9.8	9.85 0 1	9.9	4.92	14.77
34	ns				

Series 147

Dell

February 2, 1914

Copied

		MC 4101 = 2 K					Pc	att. -.03			
					Curve	Magn.		8.65 1 0		Curve	Magn.
	1	4.7			4.48	9.18	8.7	.	8.6	0.57	9.22
	2	5.0			4.48	9.48	9.1	9.20 1 1	9.3	0.56	9.76
	3	5.2			4.49	$9.\overset{6}{\cancel{7}}9$	Im. Super.				
	4	5.9			4.50	10.40	9.8	9.80 0 0	9.8	0.47	10.27
	5	6.3			4.53	10.83					
	6	7.0			4.58	11.58					
	7	7.3			4.62	11.92					
	8	8.2			4.74	12.94					
	9	8.6			4.80	13.40					
	10	9.1			4.85	13.95					
See Remark on plate cover	11a	9.3	9.30 0 0	9.3	4.87	14.17					
	12	9.5	9.50 0 0	9.5	4.89	14.39					
	13	9.6	9.55 0 1	9.5	4.90	14.45					
	14	9.9	9.85 1 0	9.8	4.92	14.77					
	15	n.s.									

Series 147

Copied

Sc U

February 2, 1914

MC 4102 = 7 Kd Alt + 18 Sc

	Sc1	Sc2			Curve	Magn.				Curve	Magn.
1	3.7						6.3	6.30 0 0	6.3	0.33	6.63
2	4.3						7.8	7.80 0 0	7.8	0.52	8.32
3	4.6				4.47	9.07	8.2	8.15 0 1	8.1	0.54	8.69
4		6.1			4.51	10.61					
5		6.5			4.54	11.04					
6		7.2			4.60	11.80					
7		7.5			4.65	12.15					
8		7.5			4.65	12.15					
9		7.8			4.69	12.49					
10		8.1			4.72	12.82					
11		8.5	8.55 1 0	8.6	4.79	13.34					
12		9.1	9.05 1 0	9.0	4.85	13.90					
13		9.3	9.30 0 0	9.3	4.87	14.17					
14		9.7	9.60 1 1	9.5	4.89	14.49					
15		9.9	9.85 1 0	9.8	4.92	14.77					

Davis 147

Scd February 2, 1914

	Mc 4103				Pc		
	Sc 1	Sc 2					
5					6.2	6.20 00	6.2
6					6.7	6.70 00	67
8					7.7	7.75 1 0	7.8
9					8.1	8.15 1 0	8.2
10	4.8				8.3	8.30 00	83
11	4.9				8.9		
12		5.3			9.3		
13		5.8			9.8		
14		6.3					
15		65					
16		6.9					
17		7.1					
18		7.5					
19		7.8					
20		80					
23		8.5	8.50 00	8.5			
25		9.0	8.95 0 1	8.9			
26		9.4	9.40 00	9.4			
27		9.8	9.80 00	9.8			
28		10.1	10.05 1 0	10.0			

See page 82

12 00

Series 147

Scale II

February 5, 1914.

10:07

MC 4103

	sc.1	sc.2	MC4109	Mean.		Diff.
5						
6						
8						
9						
10	4.8		4.8	4.80	0 0	4.22
11	5.0		·	5.00	a ·	4.55
12	5.3		·	5.30	a ·	4.56
13	5.9		·	5.90	a ·	4.40
14	6.3		6.2	6.25	1 0	4.40
15	6.5		6.3	6.40	1 1	4.68
16	6.8		6.6	6.70	1 1	4.70
17	7.1		7.0	7.05	1 0	4.58
18	7.5	~~7~~	7.4	7.45	1 0	4.61
19		7.7	7.7	7.70	0 0	4.72
20		8.0	7.90	7.95	05 05	4.78
23	85	84 8.45 1 0	8.45	8.45	0 0	4.89
25	9.0	9.0 9.00 0 0	8.95	8.98	0 2 03	4.89
26	9.4	9.3 9.35 0 1	9.40	9.38	03 02	4.95
27	9.7	9.8 9.75 1 0	9.80	9.78	03 02	4.91
28	10.0	100 10.00 0 0	n.s.	10.00	a -	5.11

6 0
2 2
+.05 .00

4 2
5 5
+.08 -.04

11 04
5 5
+.00 -.01

51 24
12 12
+.04 -.02

B.C. MC4109

sc.2	sc.2		Mean.		Diff.
6.2	6.1 6.15 0 1	6.05	6.17	08 08	0.37
6.7	6.8 6.75 1 0	6.75	6.75	0 0	0.36
7.7	7.7 7.70 0 0	7.50	7.60	10 10	0.63
8.0	8.1 8.05 0 1	8.00	8.02	03 02	0.81
8.3	8.3 8.30 0 0	8.30	8.30	0 0	0.72
def.		8.7	8.70	· a	0.85
9.0		9.1	9.05	0 1	0.81
9.8		9.5	9.65	2 1	0.65
n.s.		9.8	9.80	· a	0.85

18 17
4 4
+.04 -.04

2 0
3 3
-.01 .00

38 17
7 7
+.05 -.02

copied.

M.O.R.

10:14.

Series 147

Sc 11

February 5, 1914 copied

MC 4104 = 17 k

	Sc 1	Sc 2			Curve	Magn.
1	4.2				$\overset{4}{0}.32$	8.58
2	4.9				$\overset{4}{0}.40$	9.30
3		5.3			$\overset{4}{0}.45$	9.75
4		5.5			$\overset{4}{0}.47$	9.97
5		5.7			$\overset{4}{0}.49$	$\overset{10}{9}.19$
6		6.1			$\overset{4}{0}.53$	10.63
7		6.4			$\overset{4}{0}.57$	10.97
8		6.9			$\overset{4}{0}.63$	11.53
9		7.4			$\overset{4}{0}.70$	12.10
10		8.0			$\overset{4}{0}.77$	12.77
11		8.4	8.35 0 1	8.3	$\overset{4}{0}.81$	13.16
12		8.5	8.40 1 1	8.3	$\overset{4}{0}.82$	13.22
13		8.5	8.50 0 0	8.5	$\overset{4}{0}.84$	13.34
14		9.0	9.00 0 0	9.0	$\overset{4}{0}.90$	13.90
15		9.5	9.40 1 1	9.3	$\overset{4}{0}.95$	$1\overset{4}{3}.35$

BC all. +.17

Sc 2			Curve	Magn.
7.6	7.65 0 1	7.7	0.64	8.29
8.7	8.60 1 1	8.5	0.80	9.40
9.0	9.05 0 1	9.1	0.80	9.85
9.5 ?	9.40 1 1	9.3	0.77	10.17
9.5	9.50 0 0	9.5	0.76	10.26

Series 147

Copied

Sell

February 5, 1914

MC 4105 Q3   alt. + 13   θC

				Curve	Magn.	Sc2.	Sc2		Curve	Magn.					Curve	Magn.
Soofarfic	1					6.7	6.7	6.70 0.0	0.43	7.13	29	8.5			4.84	13.34
" " " "	2					6.7	6.6	6.65 0.1	0.42	7.07	30	8.8	8.9	8.85 0.1	4.89	13.74
" " " "	3					7.2	7.1	7.15 0.1	0.52	7.67	31	9.2	9.3	9.25 0.1	4.92	14.17
" " " "	4					7.3	7.1	7.10 0.0	0.52	7.62	32	9.5	9.5	9.50 0.0	4.96	14.46
" " " "	5					7.3	7.3	7.30 0.0	0.55	7.85	33	9.5	9.5	9.50 0.0	4.96	14.46
	6	3.7?		.		8.1			0.73	8.83	34	9.9	9.9	9.90 0.0	5.00	14.80 9
	7	4.3		4.32	8.62	7.9			0.69	8.59	35	ns			.	.
	8	4.3		4.32	8.62	8.1			0.73	8.83						
	9	4.3		4.32	8.62	8.1			0.73	8.83						
	10	4.7		4.37	9.07	8.2			0.75	8.95						
	11	4.7		4.37	9.07	8.5			0.80	9.30						
	12	4.7		4.37	9.07	8.7			0.81	9.51						
	13	4.7		4.37	9.07	8.7			0.81	9.51						
	14		4.8	4.39	9.19	9.0			0.80	9.80						
	15		5.7	4.49	10.19	9.3			0.78	10.08						
	16		5.7	4.49	10.19											
	17		5.8	4.50	10.30											
	18		5.7	4.49	10.19											
	19		6.2	4.55	10.75											
	20		6.5	4.58	11.08											
	21		6.7	4.60	11.30											
	22		6.8	4.62	11.42											
	23		7.2	4.68	11.88											
	24		7.3	4.69	11.99											
	25		7.7	4.73	12.43											
	26		7.9	4.76	12.66											
	27		8.1	4.79	12.89											
	28		8.3	4.80	13.10											

Davies 147

copied

Bell

February 5, 1914

*MC 4106 65 K

BC alt. +.20

	Se1	Se2			Curve	Magn.	Se2			Curve	Magn.
1	4.3				4.32	8.62	8.0	8.05 01	8.1	0.72	8.77
2		5.2			4.44	9.64	9.3	9.25 1 0	9.2	0.79	10.04 ~~9.84~~
3		5.7			4.49	10.19	9.8	9.80 0 0	9.8	0.73	10.53
4		6.1			4.53	10.63					
5		6.3			4.56	10.86					
6		7.7			4.74	12.44					
7		7.9			4.76	12.66					
8		8.1			4.79	12.89					
9		8.7	8.75 1 0	8.8	4.87	13.62					
10		9.2	9.25 0 1	9.3	4.92	14.17					
11		9.5	9.60 1 1	9.7	4.97	14.57					
12		9.8	9.85 0 1	9.9	5.00	14.85					
13		9.9?	9.95 1 0	10.0	5.01	14.96					
14		n.S									
15		n.S									

*Poor Plate

Series 147 Copied

Sell February 5, 1914

MC 4107 138 K alt. –.18 PC

	Se 1	Se 2		Curve	Magn.	Se 2		Curve	Magn.
1	4.0			.		7.0	7.05 .01 7.1	0.51	7.56
2	4.9			4.40	9.30	8.7	8.70 0 0 8.7	0.80	9.50
3		5.9		4.51	10.41	9.9	9.90 0 0 9.9	0.71	10.61
4		6.1		4.53	10.63				
5		6.3		4.56	10.86				
6		6.6		4.60	11.20				
7		7.1		4.66	11.76				
8		7.5		4.71	12.21				
9		7.9		4.76	12.66				
10		8.3		4.81	13.11				
11		8.9	8.95 1.0 9.0	4.89	13.84				
12		9.3	9.40 1.1 9.5	4.95	14.35				
13		9.7	9.70 0.0 9.7	4.98	14.68				
14		9.5	9.50 0.0 9.5	4.96	14.46				
15		9.9	9.90 0.0 9.9	5.00	14.90				

Series 147

Dell February 5, 1914 Copied Card.

MC 4108 Carte du Ciel BC Alt. +.03

	Sc1	Sc2			Curve	Magn.	Sc2			Curve	Magn.
1	4.7				4.38	9.08	8.9	8.95 1 0	9.0	0.80	9.75
2		5.3			4.45	9.75	9.8	9.75 0 1	9.7	0.73	10.48
3		5.7			4.49	10.19	9.9	9.90 0 0	9.9	0.71	10.61
4		6.3			4.56	10.86					
5		6.8			4.62	11.42					
6		7.0			4.65	11.65					
7		7.1			4.66	11.76					
8		7.2			4.67	11.87					
9		7.9			4.76	12.66					
10		8.2			4.79	12.99					
11		8.5	8.50 0 0	8.8	4.83	13.33					
12		9.0	9.00 0 0	9.0	4.90	13.90					
13		9.5	9.45 1 0	9.4	4.95	14.40					
14		9.7	9.75 1 0	9.8	4.99	14.74					
15		10.0	10.00 0 0	10.0	5.02	15.02					

Series 147

Sc U

February 5, 1914

12.04		MC 410$\frac{9}{X}$		P.C		
				Sc.2		Sc.2
	5			6.1	6.05 1 0	6.0
	6			6.8	6.75 0 1	6.7
	8			7.5	7.50 0 0	7.5
	9			8.0	8.00 0 0	8.0
	10	Sc.1 4.8		8.3	8.30 0 0	8.3
	11			8.7		
	12			9.1		
	13			9.5		
	14	Sc.2 6.2		9.8		
	15	6.3				
	16	6.6				
	17	7.0				
	18	7.4				
	19	7.7	Sc.2			
	20	7.9	7.90 0 0 7.9			
	23	8.5	8.45 1 0 8.4			
	25	9.0	8.95 0 1 8.9			
	26	9.4	9.40 0 0 9.4			
	27	9.8	9.80 0 0 9.8			
	28	n.S	n.S			

See page 87.

12.12 11, 12 + 13 distorted, very large + very dense

J.C.M.

15m. out

The above series of plates are all poor.

E.F.S.

Series 82

Scale El.

February 18, 1914

1. 20

	MC 3295			MC 3301		Diff.	Sc. 2			discordant "H.S.L."	~~Diff~~ Mean.
5							5.7	5.70 00	5.7	6.70	~~-.021~~
6							6.7	6.70 00	6.7	7.70	~~-0.59~~
8							8.1	8.10 00 :	8.1	9.00	~~-0.77~~
9							8.7	8.70 00	8.7	9.60	~~-0.77~~
10	4.9			4.9	4.90 00	4.12	9.2	9.15 01	9.1	9.8	~~-0.78~~
11	Sc. 2 5.2			5.2	5.20 00	4.35	9.7			9:	
12	5.6			5.7	6.65 01	4.21	10.0				
13	6.0			6.1	6.05 01	4.25					
14	6.5			6.5	6.50 00	4.15					
15	6.7			7.0	6.85 12	4.23					
16	7.2			7.3	7.25 01	4.15					
17	7.4			7.5	7.45 01	4.18					
18	7.9	7.95 10	8.0	8.00	7.98 03 02	4.08					
19	8.6	3 8.30 00	8.3	8.40	8.35 05 05	4.07					
20	8.6	8.55 01	8.5	8.60	8.58 03 02	4.15					
23	9.1	9.05 10	9.0	9.20	9.12 07 08	4.~~14~~ 22					
25	9.7	9.70 00	9.7	9.80	9.75 05 05	4.12					
26	m.S										
27											

0	2
5	5
.00	+.04
21	49
6	6
-.04	+.08
12	13
2	2
-.06	+.06
33	82
13	13
-.03	+.06

copied.

Series 82

Copied.

Feb. 18, 1914

Scale U. MC 3297 131 K 15 12 - 15.3 Alt. ~~+.21~~ -.20

	SC2	Curve	Magn.	
1	5.0	4.28	9.28	9.0 9.05 9.1
2	6.1	4.21	10.31	
3	6.3	4.20	10.50	
4	6.4	4.26	10.60	
5	6.9	4.19	11.09	
6	7.3	4.17	11.47	
7	8.0	4.13	12.13	
8	7.9	4.13	12.03	
9	8.1	4.12	12.22	
10	8.3	4.11	12.41	
11	8.75 0 1 8.8 8.7	4.10	12.85	
12	8.95 0 1 9.0 8.9	4.10	13.05	
13	9.30 0 0 9.3 9.3	4.10	13.40	
14	9.50 0 0 9.5 9.5	4.11	13.61	
15	9.95 1 0 9.9 10.0	4.13	14.08	

Series 82

Scale 21.

Feb. 18, 1914

	MC 3301		Pole
~~1~~			Sc. 2.
2			
~~3~~			
~~4~~			
5			67000 6.7 6.7
6			7.70 00 7.7 7.7
~~7~~			
8		Sc.2	9.00 00 9.0 9.0
9			9.60 1 ⊥ 5 9.7 9.3
10	4.9		9.8
11	Sc.2 5.2		
12	5.7		
13	6.1		
14	6.5		
15	7.0		
16	7.3		
17	7.5		
18	8.00 00 8.0 8.0		
19	8.40 1 1 8.5 8.3		
20	8.60 1 1 8.7 8.5		
23	9.20 0 0 9.2 9.2		
25	9.80 0 6 9.8 9.8		

1.39 See page 94.

G.L.M.

Series 151

Se U 4142–4153 February 19, 1914 Copied. Card

11 30 MC 4142 = D 10 alt. -21 Pc

Sc 1 Sc 2

Two faint C	1							6.85 1.0 0.86 7.71 6.9 6.8 ~~0.72~~ ~~7.57~~
Two faint C	2							6.95 1.0 0.89 7.84 6.9 7.0 ~~0.72~~ ~~7.67~~
Near edge	3							7.45 2.1 0.95 8.40 7.6 7.3 ~~0.75~~ ~~8.20~~
Near edge	4							7.15 0.1 0.94 8.09 7.2 7.1 ~~0.77~~ ~~7.89~~
Two faint C	5				curr			7.10 1.1 0.95 8.55 7.7 7.5 ~~0.76~~ ~~8.36~~
" " " "	6							0.95 8.75 7.8 ~~0.78~~ ~~8.58~~
	7	4.3		~~4.61~~	~~8.91~~	4.72	9.02	0.95 8.65 7.7 ~~0.77~~ ~~8.47~~
	8	4.6		~~4.65~~	~~9.25~~	4.75	9.35	0.94^5 8.94^5 8.0 ~~0.79~~ ~~8.79~~
	9							0.93 9.23 8.3 ~~0.80~~ ~~9.10~~
	10							0.9~~4~~5 8.95 8.0 ~~0.79~~ ~~8.79~~
	11							0.93 9.23 8.3 ~~0.80~~ ~~9.10~~
	12	4.7		4.67	9.37	4.77	9.47	St. dup. R
	13							0.92 9.42 8.5 ~~0.80~~ ~~9.30~~
	14		5.2	4.78	9.98	4.83	10.03	0.88 9.88 9.0 ~~0.80~~ ~~9.80~~
	15		6.2	4.93	11.13	4.95	11.15	
	16		5.4	4.82	10.22	4.85	10.25	Defective
	17		6.0	4.90	10.90	4.93	10.93	
	18		5.7	4.87	10.57	4.89	10.59	
	19		6.2	4.93	11.13	4.96	11.16	
	20		6.4	4.97	11.37	4.98	11.38	
	21		6.1	4.91	11.01	4.94	11.04	
	22		6.50 2.7 6.7	4.99	11.49	6.3 4.99	11.49	
	23		6.4	4.97	11.37	4.98	11.38	
	24		6.4	4.97	11.37	4.98	11.38	
	25		7.2	5.08	12.28	5.06	12.26	
	26		6.9	5.03	11.93	5.04	11.94	
	27		7.1	5.07	12.17	5.05	12.15	
	28		7.1	5.07	12.17	5.05	12.15 12.15	Plate poor - many defects - images not circular
	29		7.3	5.10	12.40	5.08	12.38	

30	7.5	5.10 ~~5.12~~	12.60 ~~12.62~~
31	7.8	5.12 ~~5.18~~	12.92 ~~12.98~~
32	7.9	5.13 ~~5.20~~	13.03 ~~13.10~~
33	8.1	5.14 ~~5.23~~	13.24 ~~13.33~~
34a	8.2	5.16 ~~5.24~~	13.36 ~~13.44~~
35a	8.6	5.18 ~~5.22~~	13.78 ~~13.92~~
35b	9.9	5.23 ~~5.49~~	15.13 ~~15.39~~
36	8.8	5.20 ~~5.34~~	14.00 ~~14.14~~
37	9.0	5.21 ~~5.37~~	14.21 ~~14.37~~
38	9.15 0.1 9.2 9.1	5.21 ~~5.39~~	14.36 ~~14.54~~
39	9.40 1.1 9.5 9.3	5.22 ~~5.42~~	14.62 ~~14.82~~
40	9.50 0.0 9.5 9.5	5.22 ~~5.44~~	14.72 ~~14.94~~
41	9.50 0.0 9.5 9.5	5.22 ~~5.44~~	14.72 ~~14.94~~
42	9.70 0.0 9.7 9.7	5.221 ~~5.46~~	14.92 ~~15.16~~
43	?		

Series 151

Bell February 19, 1914

Copied Card.

MC 4143 2ks Too faint Oc

MC 4144 B7 Alt. +.10

		Se 1	Se 2			Se 2			
	1	30				6.10 6.1	00 6.1	0.65	6.75
Too faint for C.	2	32				6.20 62	00 62	0,68	6.88
" " " "	3	3.6				6.30 63	00 63	0.71	7.01
Off plate	4								
Too faint for C	5					7.25 73	10 72	0.95	8.20
Off plate	6								
	7	40				6.95 70	01 69	0.89	7.84
	8	40				69		0.88	7.78
	9	43		4.72 ~~4.60~~	9.02 ~~8.90~~	72		0.95	8.15
	10	42		4.70	8.90	74		0.95	8.35
	11	46		4.75 ~~4.65~~	9.35 ~~9.25~~	79		0.95	8.85
	12	47		4.77 ~~4.67~~	9.47 ~~9.37~~	82		0.94	9.14
	13	47		4.77 ~~4.67~~	9.47 ~~9.37~~	85		0.92	9.42
	14	49		4.79 ~~4.71~~	9.69 ~~9.61~~	85		0.92	9.42
	15		5.2	4.83 ~~4.78~~	10.03 ~~9.98~~	88		0.90	9.70
	16		5.3	4.84 ~~4.80~~	10.14 ~~10.10~~	90		0.88	9.88
	17		5.7	4.89 ~~4.86~~	10.59 ~~10.56~~				
	18		6.2	4.96 ~~4.93~~	11.16 ~~11.13~~				
	19		6.1	4.94 ~~4.92~~	11.04 ~~11.02~~				
	20		6.3	4.97 ~~4.94~~	11.27 ~~11.24~~				
	21		6.5	4.99 ~~4.98~~	11.49 ~~11.48~~				
	22		6.3	4.97 ~~4.94~~	11.27 ~~11.24~~				
	23		6.7	5.01 ~~5.02~~	11.71 ~~11.70~~				
	24		6.9	5.03 ~~5.03~~	11.93 ~~11.93~~				
	25		7.1	5.05 ~~5.07~~	12.15 ~~12.17~~				
	26		7.2	5.06 ~~5.08~~	12.26 ~~12.28~~				
	27		7.5	5.10 ~~5.12~~	12.60 ~~12.62~~				
	28		7.7	5.11 ~~5.16~~	12.81 ~~12.86~~				

			curve	Magn.
29	84		5.17	~~17.57~~ 13.57
30	8.50 85	00 85	5.18	13.68
31	8.60 87	11 85	5.19	13.79
28a	79		5.13	13.03
b	82		5.15	13.35
c	83		5.16	13.46
32	8.70 87	00 87	5.19	13.89
33	9.10 91	00 91	5.21	14.31
34	9.35 94	01 93	5.22	14.57
35	9.85 98	01 99	5.22	15.07
36	F			

Series 151

Dell Af February 19, 1914 Copied Card.

MC 4145 SY Draconis 8C ~~[illegible]~~ Alt +.02

	Sc 1	Sc 2	curve	magn.	Sc 2				
a	4.1		.		8.0	7.9	7.95 ±.01	0.94	8.89
b	4.1		4.77	9.47	8.5	8.5	8.50 .00	0.92	9.42
c		5.1	4.82	9.92	9.2	9.1	9.15 ±.01	0.86	~~7~~ 10.01
d		5.1	4.82	9.92	9.3	9.3	9.30 .00	0.85	10.15
e		5.7	4.89	10.59	9.8	9.8	9.80 .00	0.78	10.58
f		5.8	4.90	10.70					
g		6.0	4.93	10.93	10.0		10.0 ±.	0.75	10.75
h		6.3	4.97	11.27					
k		6.3	4.97	11.27					
l		6.9	5.04	11.94					
m		7.2	5.06	12.26					
n		7.5	5.10	12.60					
o		7.8	5.12	12.92					
p		7.8	5.12	12.92					
q		8.2	5.16	13.36					
r		8.5	5.18	13.68					
s		8.7	5.19	13.89					
t		8.9	5.20	14.10					
u		9.00 .00 9.0 9.0	5.21	14.21					
w		9.15 ±.10 9.1 9.2	5.22	14.37					
x		9.40 ±.11 9.3 9.5	5.22	14.62					
y		9.75 ±.10 9.7 9.8	5.22	14.97					
z		9.95 ±.10 9.9 10.0	5.23	15.18					

1 00

Series 151

Dell February 19, 1914 Copied Card.

MC 4146 = b 10 alt. +.09 BC

			Sc 1	Sc 2	curve.		Sc 2				
1	25	1	31		.		61	6.10 oo	61	0.64	6.74
		2	37		.		67	6.60 1⊥	65	0.80	7.40
		3	36		.		64	6.35 o⊥	63	0.72	7.07
		4	40		.		7.1	7.10 oo	7.1	0.93	8.03
		5	43		4.72	9.02	75	7.50 oo	75	0.95	8.45
Dbl.		6	43		4.72	9.02	79}? 87}			0.95} 0.90}	8.85} 9.60}
		7	43		4.72	9.02	73			0.95	8.25
		8	47		4.77	9.47	78			0.95	8.75
		9	49		4.79	9.69	81			0.94	9.04
		10		51	4.82	9.92	87			0.91	9.61
		11		54	4.85	10.25	89			0.89	9.79
		12		57	4.89	10.59	93			0.85	10.15
		13		59	4.92	10.82					
		-14		62	9 4.86	1 11.06					
		15		64	4.98	11.38					
		16		65	4.99	11.49					
		17		69	5.04	11.94					
		18		72	5.06	12.26					
		19		75	5.11	12.61					
		20		77	5.11	12.81					
		21		82	5.15	13.35					
		22		85	5.18	13.68					
		23		85	5.18	13.68					
		24		8.750 ⊥ 88 87	5.20	13.95					
		25		9.20 oo 92 92	5.22	14.42					
		26		9.50 oo 95 95	5.22	14.72					
		27		9.55 ⊥o 96 96	5.22	14.77					
		28		9.90 oo 99 99	5.23	15.13					

1913phae.proj...995I

Series 151

Sc U February 19, 1914 copied Card

MC 4147 = 7 Kp Alt. +.18 BC

	Sc1		Sc2		Curve	Magn.					Curve	Magn.
1	3.3				.	.	6.3	6.1	6.20	1 1	0.68	6.88
2	4.2				4.70	8.90	7.8	7.8	7.50	0 0	0.95	8.45
3	4.3				4.72	9.02	7.7	7.9	7.80	⊥ 1	0.95	8.75
4			5.4		4.85	10.25	8.5	8.7	8.60	⊥ 1	0.91	9.51
5			6.2		4.95	11.15						
6			6.7		5.01	11.71						
7			6.9		5.04	11.94						
8			7.3		5.08	12.38						
9			7.5		5.10	12.60						
10			7.8		5.12	12.92						
11	8.40	⊥ 1	8.3	8.5	5.17	13.57						
12	8.70	0 0	8.7	8.7	5.20	13.90						
13	9.00	0 0	9.0	9.0	5.20	14.20						
14	9.25	1 0	9.3	9.2	5.21	14.46						
15	9.70	0 0	9.7	9.7	5.22	14.92						

Series 151

February 19, 1914

Scale 21 MC 4148

2
X.18

	Sc 1			Diff	Sc.2		Sc 2	Diff
						6.05 10		
5					6.1		6.0	0.44
						6.35 ±0		
6					6.3		6.4	0.76
						7.25 01		
8					7.2	:	7.3	0.98
						7.95 ±0		
9				Diff	7.9		8.0	0.88
		~~4.5~~				8.05 01		
10	4.3			4.72	8.0		8.1	0.97
		~~4.9~~						
11	4.7			4.85	image superposed			
	Sc.2							
12	5.1		Sc 2	4.76	9.0			0.86
13	5.4			4.90	9.5			0.80
14	5.8			4.85	9.9			0.75
15	6.2			4.88				
16	6.3			5.10				
17	6.5			5.13				
18	7.1			4.96				
19	7.3			5.12				
20	7.7			5.03				
		8.15 ±0						
23	8.1		8.2	5.19				
		8.70 00						
25	8.7		8.7	5.17				
		8.95 ±0.						
26	8.9		9.0	5.38				
		9.50 00						
27	9.5		9.5	5.19				
		9.90 00						
28	9.9		9.9	5.21				
29								

2
X.27

J.C.M.

Series 151

Dell

February 23, 1914

MC 4148 Pole

		Sc1	Sc2	MC4153	Diff.	BC	MC4153	Diff.
10 00	5					6.10 00 6.1 6.1	5.80 5.95 15 15	0.54
	6					6.35 10 6.3 6.4	6.25 6.30 05 05	0.81
	8					7.45 01 7.4 7.5	7.60 7.52 07 08	0.71
	9					7.95 10 7.9 8.0	8.10 8.02 07 08	0.81
	10	4.6		4.3 4.45 2 1	4.57	8.10 00 8.1 8.1	8.30 8.20 10 10	0.82
	11	4.9		4.7 4.80 1 1	4.75	Defective	8.7 8.7 . a	0.85
	12		5.2	5.1 5.15 0 1	4.71	9.0	9.0 9.00 0 0	0.86
	13		5.5	5.5 5.50 0 0	4.80	9.5	9.7 9.60 1 1	0.70
	14		5.7	5.8 5.75 1 0	4.90	9.9	10.0 9.95 1 0	0.70
	15		6.1	6.2 6.15 1 0	4.93			
	16		6.4	6.5 6.45 0 1	4.95			
	17		6.7	6.7 6.70 0 0	4.93			
	18		7.1	7.1 7.10 0 0	4.96			
	19		7.3	7.3 7.30 0 0	5.12			
	20		7.7	7.5 7.60 1 1	5.13			
	23		8.1 8.10 0 0	8.1 8.1 8.10 0 0	5.24			
	25		8.5 8.60 1 1	8.7 8.50 8.55 05 05 9 1	5.32			
	26		9.0 9.00 0 0	9.0 8.95 8.98 02 03	5.35			
	27		9.5 9.50 0 0	9.5 9.20 9.35 15 15	5.34			
	28		9.9 9.90 0 0	9.9 9.55 9.72 18 17	5.39			
	29			9.95 9.95 . a	5.71			

06	04	
4	4	
+.02	−.01	
30	20	
4	4	
−.08	+.05	
24	16	(all)
8	8	
−.03	+.02	

2	3
5	5
+.04	−.06
0	0
6	6
.00	.00
23	23
4	4
+.06	−.06
18	17
1	1
+.18	−.17
60	70
16	16
+.04	−.04

copied

Series 151

Sc U

February 23, 1914

: Copied

Card.

MC 4149 = 17 K

QC alt. +.16

Adopted No. on MC 4104		Sc1	Sc2			curve magn.		QC				
									7.70 oo			
1	1	4.0						7.7	7.7		0.77	8.47
2	2	4.8				4.69	9.49	8.7	8.7	8.70 oo	0.80	9.50
·	3		5.0			4.73	9.73	9.0	9.0	9.00 oo	0.80	9.80
3	4		5.2			4.78	9.98	9.2	:9.3	9.25 o1	0.79	10.04
4	5		5.3			4.80	10.10	9.5	9.5	9.50 oo	0.78	10.28
5	6		5.6			4.85	10.45					
6	7		6.1			4.92	11.02					
·	8		6.5			4.98	11.48					
8	9		6.9			5.04	11.94					
·	10		7.7			5.16	12.86					
+.	11		8.1			5.23	13.33					
11	12		8.3			5.27	13.57					
·	13		8.3	8.40 ±1	8.5	5.29	13.69					
·	14		9.0	9.00 oo	9.0	5.37	14.37					
·	15		9.0	9.00 oo	9.0	5.37	14.37					
·	16		9.3	9.40 ±1	9.5	5.42	14.82					
·	17		9.7	9.70 oo	9.7	5.46	15.16					

Series 151

Sell February 23, 1914 Copied Card.

MC 4150 = B8 Alt. +.19 BC

		Se1	Se2	curve.						
Toofan f. C	1					6.45 01 64 65	0.69 ~~4.97~~	7.14 ~~11.42~~	29	9.70 00 9.7 9.7 5.46 15.16
" " " "	2					6.75 0.1 68 67	0.71 ~~5.00~~	7.46 ~~11.75~~	30	f
	3	36				6.60 1.1 65 67	0.70 ~~5.00~~	7.30 ~~11.60~~		
	4	40				7.15 1.0 71 72	0.74 ~~5.07~~	7.89 ~~12.22~~		
	5	40				7.20 00 72 72	0.74 ~~5.08~~	7.94 ~~12.28~~		
	6	40				72	0.74 ~~5.08~~	~~12.28~~ 7.94		
	7	43		4.60	8.90	78	0.78 ~~5.18~~	~~12.98~~ 8.58		
	8	45		4.64	9.14	80	0.79 ~~5.21~~	~~13.21~~ 8.79		
	9	43		4.60	8.90	79	0.79 ~~5.19~~	3 ~~12.09~~ 8.69		
	10	43		4.60	8.90	81	0.79 ~~5.23~~	~~13.33~~ 8.89		
	11	47		4.66	9.36	85	0.80 ~~5.30~~	~~13.80~~ 9.30		
	12	49		4.71	9.61	87	0.80 ~~5.33~~	~~13.83~~ 9.50		
	13		50	4.73	9.73	87	0.80 ~~5.33~~	~~14.03~~ 9.50		
	14		52	4.78	9.98	89	0.80 ~~5.36~~	~~14.26~~ 9.70		
	15		51	4.76	9.86	89	0.80 5.36	14.26 9.70		
	16		53	4.80	10.10	95	0.78 ~~5.44~~	~~14.94~~ 10.28		
	17		55	4.84	10.34	98	0.77 ~~5.48~~	~~15.28~~ 10.57		
	18		60	4.90	10.90					
	19		63	4.95	11.25					
	20		65	4.98	11.48					
	21		68	5.01	11.81					
	22		69	5.03	11.93					
	23		75	5.13	12.63					
	24		79	5.19	13.09					
	25		8.1 8.05 10 8.0	5.22	13.27					
	26		8.5 8.45 10 8.4	5.29	13.74					
	27		8.8 8.75 01 8.7	5.34	14.09					
	28		9.0 9.05 01 9.1	5.38	14.43					

Series 151

Copied

Card.

Sell

February 23, 1914

MC 4151 = R3 Alt. +.12 Pc

		Se 1	Se 2			Se 2					
Infra fr c	1					7.1	69	7.00	11	0.73	7.73
" " " "	2					6.8	69	6.85	01	0.72	7.57
" " " "	3					7.3	7.1	7.20	11	0.74	7.94
" " " "	4					7.1	7.2	7.15	10	0.74	7.89
	5	4.1				7.2	7.2	7.20	00	0.74	7.94
	6	4.3		4.60	8.90	7.8				0.78	8.58
	7	4.3		4.60	8.90	7.7				0.77	8.47
	8	4.6		4.65	9.25	8.3				0.80	9.14
	9	4.6		4.65	9.25	8.3				0.80	9.14
	10	4.7		4.67	9.37	8.3				0.80	9.14
	11	4.7		4.67	9.37	8.3				0.80	9.14
	15 ~~12~~		5.3	4.80	10.10	9.2				0.79	9.99
	13		5.2	4.78	9.98	9.0				0.80	9.80
	14		5.3	4.80	10.10	9.0				0.80	9.80
	12 ~~15~~		4.9	4.71	9.61	8.4				0.80	9.20
	16		5.7	4.86	10.56	9.9				0.76	10.66
	17		6.0	4.90	10.90						
	18		6.3	4.94	11.24						
	19		6.3	4.94	11.24						
	20		6.5	4.98	11.48						
	21		6.8	6.65 21 65 5.00	11.65						
	22		6.7	5.00	11.70						
	23		7.1	5.06	12.16						
	24		7.4	5.10	12.50						
Wr unit	25		7 8.4	5.10	12.50						
	26		7.5	5.12	12.62						
	27		7.7	5.16	12.86						
	28		8.1	5.23	13.33						

	Se 2			
29	8.1		5.23	13.33
30	8.3		5.26	13.56
31	8.7		5.33	4 13.03
32	9.0	8.95 01 89	5.36	14.31
33	9.2	9.15 01 9.1	5.38	14.53
34	9.5	9.50 00 9.5	5.44	14.94
35	9.7	9.70 00 9.7	5.46	15.16
36	9.8	9.85 01 9.9	5.49	15.34
37	n.s.			

Series 151

Dell February 23, 1914

Copied. Card.

MC 4152 = b 11 alt. +14 8C

	Se 1	Se 2			Se 2										
1	3.1		.		6.0	6.05 01	6.1	0.64	6.69	29	8.1	8.05 10	8.0	5.22	13.27
2	3.3		.		6.2	6.25 01	6.3	0.67	6.92	30	8.5	8.40 11	8.3	5.29	13.69
3	3.6		.		7.0	7.00 00	7.0	0.73	7.73	31	8.7	8.60 11	8.5	5.31	13.91
4	3.8		.		7.2	7.15 01	7.1	0.74	7.89	32	9.0	9.00 00	9.0	5.37	14.37
5	4.0		.		7.5	7.50 00	7.5	0.76	8.26	33	9.7	9.60 11	9.5	5.45	15.05
6	3.9		.		7.7			0.77	8.47						
7	4.2		.		8.0			0.79	8.79						
8	4.2		.		8.1			0.79	8.89						
9	4.3		4.60	8.90	8.5			0.80	9.30						
10	4.6		4.65	9.25	8.7			0.80	9.50						
11	4.7		4.67	9.37	9.1			0.80	9.90						
12		5.0	4.73	9.73	9.2			0.79	9.99						
13		4.9	4.71	9.61	9.2			0.79	9.99						
14		5.0	4.7 ~~5.73~~	9.73	9.7			0.78	10.48						
15		5.3	4.8 ~~5.30~~	10.10	9.8			0.77	10.57						
16		5.8	4.89	10.69											
17		5.8	4.89	10.69											
18		5.7	4.86	10.56											
19		5.9	4.89	10.79											
20		6.1	4.91	11.01											
21		6.1	4.91	11.01											
22		6.2	4.93	11.13											
23		6.7	5.00	11.70											
24		7.1	5.06	12.16											
25		7.2	5.08	12.28											
26		7.8	5.17	12.97											
27		7.9	5.20	13.10											
28		8.1	5.23	13.33											

Images very poor

Series 151

Bell

February 23, 1914

MC 4153	Ser 1	Ser 2	Pole	PC	
				5.80 1 1	
5				5.7	5.9
				6.25 1 0	
6				6.3	6.2
				7.60 1 1	
8				7.7	7.5
				8.10 0 0	
9				8.1	8.1
				8.30 0 0	
10	4.3			8.3	8.3
11	4.7			8.7	
12	5.1			9.0	
13		5.5		9.7	
14		5.8		10.0	
15		6.2			
16		6.5			
17		6.7			
18		7.1			
19		7.3			
20		7.5			
23		8.1			
		8.50 0 0			
25		8.5	8.5		
		8.95 0 1			
26		9.0	8.9		
		9.20 1 1			
27		9.3	9.1		
		9.55 0 1			
28		9.6	9.5		
		9.95 0 1			
29		10.0	9.9		

12   40

Interruption of 12^m:

See page 103

11.15

Series 197

Sc. U.

April 16, 1914

M.D. 4803 Pole R.D. V.D.

MC 4808
P. 112

	Sc.1	Sc.2	P. ½	Mean	Diff.	a.1		Diff.	a.2		P.11	a.1	a.2
5										5.7	5.9	9.2	9.3
6										6.2	6.2	9.5	9.7
8										7.3	7.3		
9										8.0	7.9		
10		4.6	4.6	4.60 00	+4.42	7.8	7.70 7.75 0 1 7.72 03 03	+1.30	7.7	8.1	8.1		
12		5.1	5.0	5.05 1 0	4.50	8.1	8.05 8.10 00 8.08 02 03	1.47	8.1	8.6	8.6		
12		5.4	5.3	5.35 0 1	4.51	8.3	8.40 1 1 8.50 8.45 05 05	1.41	8.5	9.0	9.0		
13		5.8	5.7	5.75 0 1	4.55	8.9	8.90 00 8.70 8.80 10 10	1.50	8.9	9.3	9.7		
14		6.2	5.9	6.05 2 1	4.60	8.9	8.95 1 0 9.05 9.00 05 05	1.65	9.0	9.7	.		
15		6.5	6.2	6.35 1 2	4.73	9.1	9.20 1 1 9.30 9.25 05 05	1.83	9.3	9.9	.		
16		6.7	6.5	6.60 1 1	4.80	9.5	9.60 1 1 9.70 9.65 05 05	1.75	9.7	F.	.		
17		6.9	6.7	6.80 1 1	4.83	9.7	9.80 1 1. 9.80 9.80 00 00	1.83	9.9				
18		7.3	7.1	7.20 1 1	4.86								
19		7.5	7.4	7.45 1 0	4.97								
20		7.7	7.7	7.70 00	5.03								
23		8.1	8.1	8.10 00	5.24								
25		8.7	8.5	8.60 1 1	5.27								
26		9.1	8.9	9.00 1 1	5.33								
27		9.5	9.1	9.30 2 2	5.39								
28		9.9	9.7	9.80 1 1	5.31								
29													
30													

$\frac{3}{5}$ +.06 $\frac{3}{5}$ −.06

$\frac{5}{6}$ +.08 $\frac{5}{6}$ −.08

$\frac{4}{4}$ +.10 $\frac{4}{4}$ −.10

$\frac{1}{1}$ +.10 $\frac{1}{1}$ −.10

$\frac{13}{16}$ +.08 $\frac{13}{16}$ −.08

copied

	P.C.		Diff.
5	5.80	1 1	+0.69
6	6.20	0 0	0.91
8	7.30	0 0	0.93
9	7.95	0 1	0.88
10	8.10	0 0	0.92
11	8.60	0 0	0.95 ~~1.26~~
12	9.00	00	0.86
13	9.50	2 2	0.80
14	9.7	a.	0.95
15	9.9	a.	1.18
16			

$\frac{1}{4}$ −.02 $\frac{0}{4}$ .00

$\frac{2}{4}$ −.05 $\frac{2}{4}$ +.05

$\frac{3}{8}$ −.04 $\frac{2}{8}$ +.02

Series 197

Sc. U. April 16, 1914 Copied Card

M. b. H804 BH Light struck across center.

	M. b. H805 Sc.1		b5 Sc.2	abt. corr. +17		a.1				a.2	P. b	curve	
1	3.8 ·					5.8	5.85 01			5.9	6.1	0.85	6.95
2	4.1 ·					6.3	6.30 00			6.3	7.0	0.92	7.92
3	4.2 ·					5.8	5.85 01			5.9	6.8	0.91	7.11
4	4.2 ·					6.1	6.15 10			6.2	7.1	0.93	8.03
4a.	4.3 ·					4a → 6.8	6.90 11			7.0	4a 7.2	0.93	8.13
5	4.4 ·					6.9	7.00 11			7.1	7.9	0.93	8.83
6	4.6	4.42			9.02	7.3	7.30 00			7.3	8.1	0.92	9.02
7	4.6	4.42			9.02	7.2	7.20 00			7.2	8.1	0.92	9.02
8			5.0	4.49	9.49	7.5	7.60 11	1.36	8.96	7.7	8.2	0.91	9.11
9			5.2	4.50	9.70	8.0	8.00 00	1.42	9.42	8.0	8.7	0.89	9.59
10			5.2	4.50	9.70	8.2	8.25 01	1.46	9.71	8.3	9.1	0.89	9.99
11			5.2	4.50	9.70	8.1	8.15 10	1.45	9.60	8.2	9.1 [illegible]	0.89	9.99
12			5.4	4.53	9.93	8.5	8.50 00	1.51	10.01	8.5	9.2	0.90	10.10
13			5.5	4.56	10.06	8.7	8.80 11	1.59	10.39	8.9	9.4	0.91	10.31
14			5.8	4.60	10.40	8.7	8.75 10	1.58	10.33	8.8	9.7	0.96	10.66
14a			6.1	4.66	10.76	14a 9.1	9.20 11	1.69	10.89	9.3			
15			6.2	4.67	10.87	9.1	9.20 11	1.69	10.89	9.3	Ft		
16			6.3	4.69	10.99	9.3	9.40 11	1.73	11.13	9.5			
17			6.6	4.76	11.36	9.8	9.86 01	1.84	11.69	9.9			
18			6.9	4.84	11.74	Ft				Ft			
19			7.1	4.87	11.97								
20a			7.1	4.87	11.97								
20			7.1	4.87	11.97								
21			7.3	4.91	12.21								
22			7.7	5.04	12.74								
23			8.0	5.13	13.13								
24			8.2	5.19	13.39								
25			8.5	5.26	13.76								
26			8.7	5.30	14.00								
27			8.7	5.30	14.08								

magn.	no.		curve
14.55	28	9.2	5.35
14.86	29	9.5	5.36
	30	n.S.	

* { 7 8.0
8 8.3
9 8.7 }

* Pr. Comp. – 7, 8 & 9 remeas. Feb 3, 1915
measures di. those previously made.

Series 197

Sc. U. Copied April 16, 1914 Card.

M. L. 4806 D 5 Too poor to measure

alt. cor. +.29

	M. L. 4807 Sc 1	B 4 Sc 2			a. 1				a 2	P. L.		
1	3.3		.		5.9501	6.0	.		5.9	6.2	0.86	7.06
2	3.7		.		5.7000	5.7	.		5.7	6.3	0.88	7.18
3	4.1		.		6.1000	6.1	.		6.1	6.8	0.92	7.72
4	4.1		.		6.2510	6.3	.		6.2	6.8	0.92	7.72
2+5 are Edge of Plate 5	4.2		.		5.7000	5.7	.		5.7	7.1	0.93	8.03
6	4.2		.			T.P.	.		Too Poor	7.4	0.93	8.33
7	4.3		.		6.4000	6.4	.		6.4	7.3	0.93	8.23
8	4.3		.		7.1510	7.1	.		7.2	8.2	0.92	9.12
9	4.3		.		7.1510	7.1	.		7.2	8.0	0.93	8.93
10		4.8	4.46	9.26	7.4011	7.3	.		7.5	8.2	0.92	9.12
11		5.0	4.49	9.49	7.8011	7.7	1.39	9.19	7.9	8.6	0.90	9.50
12		5.2	4.50	9.70	8.1000	8.1	1.44	9.54	8.1	8.7	0.89	9.59
13		5.1	4.50	9.60	8.0501	8.0	1.43	9.48	8.1	8.8	0.89	9.69
14		5.3	4.51	9.81	8.3000	8.3	1.48	9.78	8.3	9.1	0.89	9.99
15		5.4	4.52	9.92	8.4011	8.3	1.50	9.90	8.5	9.5	0.93	10.43
16		5.9	4.62	10.52	8.7000	8.7	1.56	10.26	8.7	9.7	0.96	10.66
17		6.2	4.68	10.88	9.1510	9.1	1.67	10.82	9.2	9.9	~~0.98~~ 1.00	10.88 90
18		6.0	4.64	10.64	9.0000	9.0	1.63	10.63	9.0	9.8	0.98	10.78
19		6.2	4.68	10.88	9.2000	9.2	1.68	10.88	9.2	9.9	1.00	10.90
19a		6.2	4.68	10.88	9.5000	19a 9.5	1.76	11.26	9.5			
20		6.9	4.84	11.74	9.8501	9.8	~~1.76~~ 1.84	~~11.26~~ → 11.39	9.9			
21		6.1	4.66	10.76	9.6011	9.5	1.78	11.38	9.7			
22		6.9	4.84	11.74	9.8510	9.9	1.84	11.69	9.8			
23		7.2	4.90	12.10	9.8000	9.8	1.82	11.62	9.8			
24		7.2	4.90	12.10								
25		7.3	4.91	12.21								
26		7.3	4.91	12.21								
27		8.0	5.13	13.13								

curve

28	8.1	5.16	13.26
29	8.2	5.19	13.39
30	8.5	5.26	13.76
31	8.6	5.28	13.88
32	9.0	5.39	14.33
33	9.5	5.36	14.86
34.	n.d.		

Series 197

April 16, 1914

Scale U

M.	b. 4808	Pole			P.b.
	Sc.1	Sc.2	a.1	a.2	
5					5.9
6					6.2
8					7.3
9					7.9
10	4.6		7.7 7.70 00	7.7	8.1
11		5.0	8.0 8.05 01	8.1	8.6
12		5.3	8.5 8.50 00	8.5	9.0
13		5.7	8.7 8.70 00	8.7	9.7
14		5.9	9.0 9.05 01	9.1	Fl
15		6.2	9.3 9.30 00	9.3	
16		6.5	9.7 9.70 00	9.7	
17		6.7	9.8 9.80 00	9.8	
18		7.1	Fl	Fl	
19		7.4			
20		7.7			
23		8.1			
25		8.5			
26		8.9			
27		9.1			
28		9.7			
29					
30					

12.40

G. C. S.

Second measure of five faint images omitted by mistake.

Series 197

10. 30

So-U.

April 17, 1914

M.W. 4808 Pole

Sc 1 Sc 2

a. 1 a. 2

P. 6.

5 — 5.3 a. · 1.19 5.3 — 5.9 P. 117 Mean 5.9 = +0.59

5.90 00 117 Mean

6 — 5.9 5.90 5.90 00 00 1.21 ~~0.59~~ 5.9 — 6.3 7.0 6.65 3 4 0.46

6.90 00

8 — Mc 4814 Mean Diff. — 6.9 6.90 6.90 00 00 1.33 ~~0.24~~ 6.9 — 7.3 8.0 7.65 3 4 0.58

7.30 00

9 — P. 1167 — 7.3 7.55 7.38 (.42) 12 13 1.41 7.3 — 8.0 8.7 8.35 4 3 0.48

7.75 1 0

10 4.6 — 4.6 4.60 00 +4.42 — 7.7 7.80 7.78 03 02 +1.24 7.8 — 8.2 9.0 8.60 4 4 0.42

8.10 00

11 5.2 — 5.0 5.10 1 1 4.45 — 8.1 8.20 8.15 05 05 1.40 8.1 — 8.7 9.3 9.00 3 3 0.55

8.50 00

12 5.5 — 5.3 5.40 1 1 4.46 — 8.5 8.50 8.50 00 00 1.36 8.5 — 9.5 9.65 9.58 08 07 0.28

8.70 00

13 5.7 — 5.4 5.55 1 2 4.75 — 8.7 8.90 8.80 10 10 1.50 8.7 — 9.9 9.9 9.90 0 0 0.40

8.90 1 1

14 5. 5.9 — 5.8 5.85 1 0 4.80 — 8.8 9.0 8.95 05 05 1.70 9.0

9.15 1 0

15 6.2 — 6.1 6.15 0 1 4.93 — 9.1 9.40 9.28 13 12 1.80 9.2

9.50 00

16 6.5 — 6.5 6.50 00 4.90 — 9.5 · 9.50 = · 1.90 9.5

9.80 00

17 6.9 — 6.7 6.80 1 1 4.83 — 9.8 9.80 = · 1.83 9.8

18 7.2 — 7.2 7.20 00 4.86

19 7.4 — 7.5 7.45 0 1 4.97

20 7.5 — 7.90 7.70 2 2 5.03

8.10 1 1

23 8.0 8.2 — 8.30 8.20 10 10 5.14

8.60 1 1

25 8.7 8.5 — 8.70 8.65 05 05 5.22

9.05 1 0

26 9.1 9.0 — 9.10 9.08 03 02 5.25

9.50 00

27 9.5 9.5 — 9.60 9.55 05 05 5.14

9.90 00

28 9.9 9.9 — 9.90 = · 5.21

29

30

4	4
5	5
+.08	-.08
1	1
6	6
-.02	+.02
23	22
4	4
-.06	+.06
07	08
15	15
+.00	-.01

10	11	
3	3	
-.03	+.04	
78	87	77
3	3	3
-.26	+.21	-.26
178	188	
7	7	
-.25	+.27	

copied

Series 197

Sc. U. April 17, 1914 Card

M.B. 4809 9h. 40m. +15° P.b.

	Sc.1	Sc.2	Act. corr. +.17 Curve	Magn.	a 6.35 10	Curve	Magn.	a.2		Curve	Magn.
1	3.9				6.3	1.25	7.60	6.4	7.0	0.55	7.55
2		4.9	4.43	9.33	7.80 11 7.7	1.39	9.19	7.9	7.7	0.52	8.22
3		5.1	4.49	9.59	8.05 01 8.0	1.44	9.49	8.1	8.8	0.47	9.27
4		5.7	4.70	10.40	8.70 00 8.7	1.58	10.28	8.7	9.9	0.38	10.28
5		6.4	4.85	11.25	9.85 01 9.8	1.92	11.77	9.9	n.d.		
6		7.1	4.93	12.03							
7		7.7	5.03	12.73							
8		8.0	5.09	13.09							
9		8.3	5.13 →	13.43							
10		8.7	5.18	13.88							
11		9.00 01 9.0. 9.0	5.21	14.21							
12		9.40 11 9.3. 9.3	5.25	14.65							
13		9.70 00 9.7. 9.7	5.28	14.98							
14		9.50 00 9.5. 9.5	5.26	14.76							
15		9.90 00 9.9 9.9	5.31	15.21							

Ch. F.C.

Series 197

Sc. U. April 17, 1914 Card

~~M.b. 4810 10h. 00m +15.0 Too poor to measure.~~

	M.b. 4811	10^h 20^m −5.0 act. corr. 00			a 1	Diffr. mm		a 2	P. b.		
	sec	sec 2			5.7000						
1	3.2		.		5.7 6.8501	1.22	6.92	5.7	6.2	0.56	6.76
2	4.1		.		6.8 7.7510	1.29	8.14	6.9	7.9	0.51	8.41
3	4.7.		4.36	9.06	7.7 8.9520	1.38	9.13	7.8	8.7	0.47	9.17
4		5.4	4.60	10.00	8.9 9.92	1.63	10.58	9.0	9.9	0.38	10.28
5		6.5	4.86	11.36	9.9	1.94	11.84	F	n.s.		.
6		7.3	4.97	12.27							
7		7.5	5.00	12.50							
8		8.0	5.09	13.09							
9		8.2	5.12	13.32							
10		8.5.	. 5.16	13.66							
11		8.70 00 8.7 8.7	5.16^{9}	13.89							
12		8.85 10 8.9 8.8	5.20	14.05							
13		9.15 12 9.3 9.0	5.23	14.38							
14		9.30 22 9.5 9.1	5.24	14.54							
15		9.85 10 9.9 9.8	5.30	15.15							

Ch. F. C.

Series 197

Sc.U. April 17, 1914 Card.

~~M.b. H8:12 10h. 40m~~ -5.0 ~~Too poor to measure~~

M.b. H8:13 10h. 00m alt corr = -10.0

	Sc.1	Sc.2			a.1	curve		a.2	P. b		
1	3.2?				5.20 00 5.2	1.21	6.41	5.2	6.1	0.55	6.65
2	4.2				7.10 1̄1 7.0	1.31	8.41	7.2	8.5	0.48	8.98
3		5.1	4.49	9.59	8.40 1̄1 8.3	1.51	9.91	8.5	9.8	0.39	10.19
4		5.4	4.60	10.00	9.05 01 9.0	1.66	10.71	9.1	9.9	0.38	10.28
5		6.4	4.85	11.25	9.95 1̄0 9.9	1.96	11.91	10.0	n.d.	~~0.34~~	
6		6.9	4.90	11.80	9.9 a. 9.9	1.95	11.85	F			
7		7.1	4.93	12.03							
8		7.5	5.00	12.50							
9		8.0	5.09	13.09							
10		8.2	5.12	13.32							
11		8.65 01 8.6 8.7	5.18	13.83							
12		9.10 00 9.1 9.1	5.23	14.33							
13		9.15 01 9.2 9.1	5.23	14.38							
14		9.75 01 9.8 9.7	5.29	15.04							
15		9.95 01 10.0 9.9	5.31	15.26							

Ch. F. C.

Series 197

Sc. U. April 17, 1914

M.C. 4814, Pole

	Sc.1	Sc.2		a1 Star sup.		a 2	P.C. Star sup.
5							
6				5.9	5.90 00	5.9	7.0
8				6.9	6.90 00	6.9	8.0
9				7.6	7.55 01	7.5	8.7
10	4.6			7.7	7.80 11	7.9	9.0
11		5.0		8.1	8.20 11	8.3	9.3
12		5.3		8.5	8.50 00	8.5	9.8 9.65 21 9.5
13		5.4		8.9	8.90 00	8.9	9.9
14		5.8		9.0	9.0 a	Same lm.	N.S.
15		[illegible]	6.1	9.3	9.40 11	9.5	
16		6.5		Fl			
17		6.7					
18		7.2					
19		7.5					
20		7.9	7.90 00 7.9				
23		8.3	8.30 00 8.3				
25		8.7	8.70 00 8.7				
26		9.1	9.10 00 9.1				
27		9.7	9.60 11 9.5				
28		Fl					
29							
11. 35 30							

Poor Plate. marks across center.

Series 186

Sc. W. April 21, 1914

		M.B. 4657 Sc.1	Pole Sc.2	Mc4668 P.127	Mean		Diff.			P.B.			P.127	mean			Diff.
Time 10.02	5							5.5		5.3	5.40	11	6.00	5.70	30	30	+0.79
	6							6.5		6.2	6.35	12	6.45	6.40	05	05	0.71
	8							7.3		7.2	7.25	10	7.50	7.38	13	12	0.85
	9							7.8		7.7	7.75	01	8.20	7.98	23	22	0.85
	10	4.3		4.7	4.50	22	+4.52	8.0		7.9	7.95	01	8.40	8.18	23	22	0.84
	11		5.1	5.2	5.15	10	4.40	8.5		8.5	8.50	00	8.9	8.70	20	20	0.85
	12		5.3	5.6	5.45	12	4.41	9.0		8.9	8.95	01	9.0	8.98	03	02	0.88
	13		5.6	5.9	5.75	21	4.55	9.9	9.7		9.80	11	9.5	9.65	15	15	0.65
	14		5.8	6.2	6.00	22	4.65	9.9			9.9	a	.	9.9	a	.	0.75
	15		6.2	6.5	6.35	21	4.73										
	16		6.5	6.9	6.70	22	4.70										
	17		6.7	7.1	6.90	22	4.73										
	18		7.3	7.5	7.40	11	4.66										
	19		7.5	7.7	7.60	11	4.82										
	20		7.8	8.0	7.90	11	4.83										
	23	8.25 01 8.2	8.3	8.40	8.32	01 08	5.02										
	25	8.65 01 8.6	8.7	8.75	8.70	05 05	5.17										
	26	9.05 10 9.1	9.0	9.15	9.10	05 05	5.23										
	27	9.50 00 9.5	9.5	9.50	9.50	00 00	5.19										
	28	9.85 10 9.9	9.8	9.90	9.88	03 02	5.23										
	29																
	30																

71 6 89
4 4
-.18 +.17

~~61 8~~ 31 29
~~4~~ 4 4
-.15 -.08 +.07

102 98
8 8
-.13 +.12

8 ~~1.0~~ ~~8~~ 7
65 ~~6~~ ~~6~~ 65
-.16 ~~-.17~~ ~~+.13~~ +.12

9 8
65 6
-.15 -.14 +.14 +.16

17 18
4 4
-.04 +.04

03 02
2 2
-.01 +.01

190 170
17 17
-.11 +.10

copied.

Series 185

Sc. U. April 21, 1914 Card

M.D. 4658 4h.00m. +25.0 P.G.

	Sc.1	Sc.2		alt. corr. +.20						
1	3.8			.	.	6.8	6.4	6.40 00	0.76	7.16
2	4.3			.	.	7.7	7.3	7.50 22	0.82	8.32
3		4.7		4.44	9.14	8.0	8.0	8.00 10	0.84	8.84
4		5.2		4.43	9.63	8.9	9.0	8.95 10	0.82	9.77
5		6.3		4.58	10.88					
6		6.8		4.66	11.46					
7		7.3		4.77	12.07					
8		8.2		5.00	13.20					
9		8.1		4.98	13.08					
10		8.7		5.11	13.81					
11		9.0 . 8.9	8.95 01	5.14	14.09					
12		9.1 . 9.2	9.15 10	5.17	14.32					
13		9.3 . 9.5	9.40 11	5.19	14.59					
14		9.5 . 9.7	9.60 11	5.20	14.80					
15		9.8 9.9	9.85 01	5.21	15.06					

Series 185

Sc. U.   April 21, 1914   Card.

m. b. 4659			4h. 40m.		+25.0	P.b.			
	Sc.1	Sc.2	alt. corr. +20						
1	3.3				6.9	6.8	6.85 10	0.79	7.64
2	4.2				7.1	7.1	7.10 00	0.81	7.91
3	4.6		4.45	9.05	7.8	7.7	7.75 0 1	0.83	8.58
4		5.4	4.44	9.84	8.7	8.8	8.75 ± 0	0.83	9.58
5		6.0	4.53	10.53	h.s.				
6		6.4	4.60	11.00					
7		6.8	4.66	11.46					
8		7.5	4.82	12.32					
9		8.2	5.00	13.20					
10		8.2	5.00	13.20					
11		8.75 ± 0 8.7 8.8	5.11	13.86					
12		9.00 00 9.0 9.0	5.14	14.14					
13		9.35 0 1 9.4 9.3	5.19	14.54					
14		9.60 1 1 9.7 9.5	5.20	14.80					
15		9.85 10 9.9 9.8	5.21	15.06					

Series 185

Sc. U. April 21, 1914 Copied

M.B. 4660 D3 Alt. corr. −18 P.B. Card.

		Sc 1	Sc 2	Curve	Magn.	5h 0m −15.0'			Curve.	Magn.			See below. ↓	
	1	3.2		.	.	6.05 01	6.0	6.1	0.73	6.~~83~~ 78	29		8.5	8.5
Near Edge of Plate	2	3.7		.	.	6.30 00	6.3	6.3	0.76	7.06	30		9.0	9.0
Near Edge of Plate	3	3.4		.	.	6.30 00	6.3	6.3	0.76	7.06	31		9.3	9.4
	4	3.8		.	.	6.25 01	6.2	6.3	0.76	7.06 1	32		9.8	9.8
	5	4.2		.	.	6.70 11	6.6	6.8	0.78	7.~~5~~8 4	33		~~9.9~~	F
	6	4.3		.	.		7.1		0.81	7.91	29	8.50 00	5.07	13.57
	7	4.4		4.47	~~4~~.87 8		7.8		0.83	8.63	30	9.00 00	5.15	14.15
	8	4.3		.	.		7.2		0.81	8.01	31	9.35 10	5.19	14.54
	9	4.3		.	.		7.5		0.82	8.32	32	9.80 00	5.20	15.00
	10	4.4		4.47	~~4~~.87 8		8.0		0.84	8.84	33	. .	.	.
	11	4.3		.	.		7.8		0.83	8.63				
	12		4.6	4.44	9.04		8.2		0.84	9.04				
	13		4.9	4.43	9.33		8.4		0.84	9.24				
	14		5.3	4.43	9.73		9.1		0.81	9.91				
	15		5.6	4.47	10.07		9.5		0.77	10.27				
	16		5.7	4.49	10.19		9.5		0.77	10.27				
	17		5.8	4.50	10.30		9.7		0.76	10.46				
	18		6.3	4.58	10.88		9.8		0.75	10.55				
	19		6.2	4.57	10.77		9.8		0.75	10.55				
	20		6.3	4.58	10.88		F		F	F				
	21		6.8	4.66	11.46									
	22		7.8	4.90	12.70									
	23		7.0	4.70	11.70									
	24		7.2	4.75	11.95									
	25		7.9	8.00 11 8.1 4.95	12.95									
*	26		8.7 ~~6.7~~	~~7.4~~ 5.11	13.81									
	27		8.3	5.03	13.33									
	28		8.4	8.30 11 8.2 5.03	13.33									

mmg star meas. for 26 ? reading certainly mmg, probably by a unit. Reject.

Series 185

Sc U. April 21, 1914 Card.

~~M.b. 4661~~ 5h 20m. +25.0 Too poor to measure

~~M.b. 4662~~ Pole Too poor to measure.

M.b. 4663 6h 40m. P.b. Curve Magn.

	Sc 1.	Sc 2.			alt. corr +.20							Curve	Magn.
1	4.2				.	.	7.1		7.0	7.05	1 0	0.80	7.85
2	4.2				.	.	7.7	:	7.6	7.65	1 0	0.83	8.48
3	4.4				4.47	8.87	8.1		8.0	8.05	1 0	0.84	8.89
4		5.2			4.43	9.63	9.3		9.2	9.25	1 0	0.80	10.05
5		5.8			4.50	10.30	9.8		9.8	9.80	0 0	0.75	10.55
6		6.3			4.58	10.88	N.S.						de W
7		6.7			4.64	11.34							
8		7.2			4.75	11.95							
9		7.7			4.88	12.58							
10		8.2			5.00	13.20							
11		8.5	8.6	8.50 0 1	5.07	13.57							
12		8.8	8.8	8.80 0 0	5.62	13.92							
13		9.2	9.2	9.20 0 0	5.17	14.37							
14		9.7	9.5	9.60 1 1	5.20	14.80							
15		9.8	9.8	9.80 0 0	5.20	15.00							

de W

Series 185

Adopted for carte sequence
march 19, 1915.

April 21, 1914 Copied for V Cam. Min.
for Carte

Card.

M. B. 4664 7h.00m alt. corr. +.14 V Cam. Min. P. B.

	Sc. 1		Sc. 2		Curve	Magn.					Curve	Magn.
1	3.8				·	·	6.3	6.4	6.35	⊥ 0	0.76	7.11
2	4.4				4.47	8.87	8.1	8.1	8.10	0 0	0.84	8.94
3			5.0		4.43	9.43	8.7	8.7	8.70	0 0	0.84	9.54
4			5.2		4.43	9.63	9.0	9.1	9.05	0 1	0.81	9.86
5			6.2		4.57	10.77	F.		§		§	§
6			7.2		4.75	11.95						
7			7.2		4.75	11.95						
8			7.9		4.~~7~~93	12.~~3~~83						
9			8.2		5.00	13.20						
10			8.7		5.11	13.81						
11		9.10 iL	9.2	9.0	5.16	14.26						
12		9.10 00	9.1	9.1	5.16	14.26						
13		9.50 00	9.5	9.5	5.20	14.70						
14		9.70 00	9.7	9.7	5.20	14.90						
15		9.90 00	9.9	9.9	5.20	15.10						

Series 185

Copied.

Sc. U. April 21, 1914 Card

M. C. 4665 6H alt. corr. +.17 P. C.

	Sc 1	Sc 2	Curve	Magn.				Curve	Magn.
1	3.0		.	.	5.8	5.75 0 1	5.7	0.71	6.46
2	3.2		.	.	6.1	6.10 0 0	6.1	0.74	6.84
3	4.0		.	.	6.7	6.50 2 2	6.3	0.77	7.27
4	4.1		.	.	6.9	6.75 1 2	6.6	0.78	7.53
4a	4.1		.	.	7.1	7.05 1 0	7.0	0.80	7.85
								(Inaccurate)	
5	4.2		.	.	7.3			0.81	8.11
6	4.2		.	.	7.2			0.80	8.00
7	4.3		.	.	7.7			0.83	8.53
8	4.4		4.47	8.87	7.7			0.83	8.53
9	4.9		4.43	9.33	8.2			0.84	9.04
9a		5.1	4.43	9.53	8.7			0.83	9.53
10		5.3	4.43	9.73	9.1			0.81	9.91
11		5.2	4.43	9.63	9.0			0.81	9.81
12		5.3	4.43	9.73	9.3			0.80	10.10
13		5.5	4.46	9.96	9.3			0.80	10.10
14		6.1	4.55	10.65	9.7			0.76	10.46
15		6.3	4.58	10.88	9.9			0.74	10.64
16		6.3	4.58	10.88					
17		6.6	4.62	11.22					
18		7.1	4.73	11.83					
19		7.3	4.77	12.07					
20		7.7	4.88	12.58					
21		7.7	4.88	12.58					
22		7.9	4.93	12.83					
23		8.1	4.98	13.08					
24		8.5	5.07	13.57					
25		8.9	5.14	14.04					
26		8.8	5.12	13.92					

27	Double	
28	9.5	9.3
29	n.s.	
25a	8.7	8.7
*25b	9.1	~~9.1~~ 8.9
27a	9.2	9.3
*27b	9.7	~~8.9~~ 9.7

27 Double		.	
28	9.40 1 1	5.19	14.59
29 n.s.		.	.
25a	8.70 0 0	5.11	13.81
25b	9.40 3 3	$5.1\overset{5}{9}$	$14.\overset{15}{59}$
27a	9.25 0 1	5.18	14.43
27b	$9.\overset{7}{8}04$ 4	$5.\overset{20}{19}$	$14.\overset{90}{49}$

* Remeasured July 7, 1914 by O {25b 9.3, 27b 9.7}

Assume that second measures above were interchanged in recording.

Series 185

Sc. U. +15.0 April 21, 1914 Card

M. B. 4666 7h. 40m. alt car. +17 P. B.

	Sc		Sc 2		Curve	Magn					Curve	Magn
1	3.7				.	.	6.4	6.4	640	00	0.76	7.16
2	4.1				.	.	7.3	7.2	725	10	0.81	8.06
3			4.7		4.44	9.14	8.3	8.2	825	10	0.84	9.09
4			5.3		4.43	9.73	9.3	9.2	925	10	0.80	10.05
5			6.1		4.55	10.65	9.8	9.9	985	01	0.74	10.59
6			6.3		4.58	10.88						
7			7.2		4.75	11.95						
8			7.8		4.90	12.70						
9			8.1		4.99	13.09						
10			8.3		5.03	13.33						
11		890 22	8.7	9.1	5.14	14.04						
12		920 21	9.1	9.3	5.17	14.37						
13		950 00	9.5	9.5	5.20	14.70						
14		980 00	9.8	9.8	5.20	15.00						
15		990 00	9.9	9.9	5.21	15.11						

Series 185

Sc. U. April 21, 1914:

M. B. 4667 7h. 40m. +25.0 alt. cor. +.20 P. B. Cand.

	Sc. 1		Sc. 2		Curve	Magn.		P. B.	T Gem. S. Gem.	Curve	Magn.
1	3.3						6.1	6.2	6.15 1 0	0.74	6.89
2	4.3						7.4	7.7	7.55 2 1	0.82	8.37
3			5.2		4.43	9.63	8.9	9.0	8.95 1 0	0.82	9.77
4			5.6		4.47	10.07	9.2:	9.7	9.45 2 3	0.78	10.23
5			6.3		4.58	10.88	9.9	9.9	9.90 0 0	0.77	10.67
6			6.7		4.64	11.34	~~9.9~~				
7			7.0		4.71	11.71					
8			7.2		4.75	11.95					
9			7.7		4.84	12.58					
10			8.3		5.03	13.33					
11		8.76 3 2	8.5	9.0	5.11	13.86					
12		9.30 0 0	9.3	9.3	5.19	14.49					
13		9.60 1 1	9.7	9.5	5.20	14.80					
14		9.70 0 0	9.7	9.7	5.20	14.90					
15		9.90 0 0	9.9	9.9	5.21	15.11					

Series 185

Sc U. April 21, 1914

M.	B. H668 sc1	sc2	Pole			P. B.		
5						6.1	5.9	6.00 1 1
6						6.5	6.4	6.45 1 0
8						7.7	7.3	7.50 2 2
9						8.3	8.1	8.20 1 1
10	4.7					8.5	8.3	8.40 1 1
11	5.2					8.9		
12		5.6				9.0		
13		5.9				9.5		
14		6.2				star sup.		
15		6.5						
16		6.9						
17		7.1						
18		7.5						
19		7.7						
20		8.0						
23		8.5	8.3	8.40	1 1			
25		8.9	8.6	8.75	1 2			
26		9.2	9.1	9.15	0 1			
27		9.5	9.5	9.50	0 0			
28		9.9	9.9	9.90	0 0			
29								
30								

12.05

G. E. S.

Series 204

10.20

Sc. U.

April 22, 1914

	M.C. 4879 Sc 1	Pole Sc 2	MC4884 Q.133	Diff	a 1	Mean	Diff	a 2	P.C.	Q.133 Mean.	Diff
5					5.30 00 5.3	5.30 a. Mean. Q.133	Diff. +1.19	5.3	5.6	5.6 a	0.89
6					5.95 01 6.0	6.10 6.02 01 08	~~+0.44~~ 1.09	5.9	6.2	6.2 6.20 00	0.91 ~~+0~~
8					7.20 00 7.2	7.30 7.25 05 05	+0.98 ~~−0.14~~	7.2	7.3	7.3 7.30 00	0.9
9					7.65 10 7.7	7.70 7.68 03 02	+1.15	7.6	7.8	7.8 7.80 00	1.03
10		4.6	4.6 4.60 00	+4.42	8.00 00 8.0	7.95 7.98 02 03	1.04	8.0	8.1	8.1 8.10 00	0.9
11		5.1	5.1 5.10 00	4.45	8.25 10 8.3	8.50 8.38 13 12	1.17	8.2	8.5	8.7 8.60 11	0.95
12		5.4	5.4 5.40 00	4.46	8.70 00 8.7	8.75 8.72 02 03	1.14	8.7	9.0	9.1 9.05 01	0.81
13		5.8	5.8 5.80 00	4.50	9.05 01 9.0	9.10 9.08 03 02	1.22	9.1	9.3	9.5 9.40 11	0.9
14		6.2	6.2 6.20 00	4.45	9.40 11 9.3	9.40 9.40 00 00	1.25	9.5	9.5	9.7 9.60 11	1.0
15		6.4	6.4 6.40 00	4.68	9.85 01 9.8	9.80 9.82 03 02	1.36	9.9	9.8	9.8 a.	1.2
16		6.7	6.7 6.70 00	4.70	9.90 11 9.8	10.0 9.95 05 .5	1.45	10.0			
17		7.1	6.9 7.00 11	4.63							
18		7.5	7.3 7.40 11	4.66							
19		7.7	7.5 7.60 11	4.82							
20		8.0	7.95 7.98 02 03	4.75							
23		8.5	8.40 11 8.3	8.45 8.42 02 03	4.92						
25		8.9	8.85 10 8.8	8.95 8.90 05 05	4.97						
26		9.4	9.35 01 9.3	9.40 9.38 03 02	4.95						
27		9.8	9.75 01 9.7	9.80 9.78 03 02	4.91						
28		9.9	9.90 00 9.9	9.90 a	5.21						
29		Fl									
30											

Series 204

Sc. U. 5.0 April 22, 1914 Card.

M. B. H880 10h 20m alt. corr. .00 P. D.

ff

		Sc 1		Sc 2		Curve	Magn.	a 1			Curve	Magn.	a 2		Curve	Magn.
0.89	1	3.1				.	.	5.7	5.75	⊥0	1.08	6.83	5.8	5.7	0.90	6.60
0.91 ~~0.89~~	2	4.1				.	.	7.0	7.00	00	1.03	8.03	7.0	7.2	0.96	8.16
0.93	3	4.7				4.43	9.13	7.9	7.95	⊥0	1.09	9.04	8.0	8.4	0.94	9.34
1.03	4			5.6		4.46	10.06	9.2	9.20	00	1.24	10.44	9.2	9.8	1.20	11.00
0.92	5			6.4		4.56	10.96	H	F		F	F		H		F
0.95	6			7.2		4.~~54~~ 69	11.~~74~~ 89									d. W
0.81	7			7.8		4.~~56~~ 80	12.~~36~~ 60									
0.90	8			8.2		4.88	13.08									
1.05	9			8.3		4.90	13.20									
1.28	10			8.7		4.93	13.63									
	11		9.05 10	9.1	9.0	4.96	14.01									
	12		9.30 00	9.3	9.3	4.96	14.26									
	13		9.50 00	9.5	9.5	4.95	14.45									
	14		9.70 00	9.7	9.7	4.94	14.64									
	15		9.90 00	9.9	9.9	4.91	14.81									
							d. W									

Series 204

Sc. U. April 22, 1914 Card

M.b. 4881 10h. 40m. -5.0 alt. corr. .00

	Sc 1		Sc 2		Curve	Magn.	Q 1		Curve	Magn.	Q 2	P.b.	Curve	Magn.
1	4.1				.	.	6.8	6.90 i1	1.03	7.93	7.0	7.0	0.95	7.95
2	4.2				.	.	7.2	7.20 oo	1.03	8.23	7.2	7.7	0.95	8.65
3	4.2				.	.	7.3	7.30 oo	1.04	8.34	7.3	7.9	0.95	8.85
4	4.7				4.43	9.13	8.0	8.05 o1	1.10	9.15	8.1	8.2	0.94	9.14
5	4.7				4.43	9.13	8.2	8.20 oo	1.12	9.32	8.2	8.7	0.94	9.64
6			5.1		4.45	9.55	8.5	8.45 10	1.13	9.58	8.4	8.9	0.94	9.84
7			5.2		4.45	9.65	8.5	8.60 i1	1.16	9.76	8.7	8.9	0.94	9.84
8			5.4		4.45	9.85	8.8	8.95 21	1.20	10.15	9.1	9.3	0.98	10.28
9			5.8		4.49	10.29	9.1	9.10 oo	1.23	10.33	9.1	9.9	1.30	11.20
10			6.2		4.52	10.72	9.8	9.85 o1	1.37	11.22	9.9	9		§
11			6.2		4.52	10.72	9.8	9.85 o1	1.37	11.22	9.9			
12			6.7		4.61	11.31								
13			7.2		4.69	11.89					ch W			
14			7.7		4.79	12.49								
15		8.20 oo	8.2	8.2	4.88	13.08								
16		8.25 o1	8.2	8.3	4.89	13.09 14								
17		8.80 i1	8.9	8.7	4.94	13.74								
18		9.00 i1	9.1	8.9	4.95	13.95								
19		9.60 22	9.7	9.3	4.94	14.44								
20		9.80 oo	9.8	9.6	4.92	14.72								
					ch W									

Series 204

Sc. U. April 22, 1914 Card.

M. b. 4882 11h. 00m −10.0 alt corr. −.09

	Sc 1	Sc. 2.		Curv	Magn.	a. 1		Curv	Magn.	a. 2	P. b.	Curv	Magn.
1	3.2			.	.	5.3	5.25 ı o	1.10	6.35	5.2	5.7	0.89	6.59
2	4.1			.	.	7.2	7.20 o o	1.03	8.23	7.2	7.8	0.95	8.75
3		5.1		4.45	9.55	8.2	8.30 ⊥ ı	1.13	9.43	8.4	9.1	0.95	10.05
4		5.7		4.49	10.19	9.1	9.10 o o	1.23	10.33	9.1	9.7	1.11	10.81
5		6.3		4.55	10.85	9.9	9.95 ⊥ o	1.39	11.34	10.0	F	.	[illegible]
6		7.0		4.66	11.66			ch	W				
7		7.2		4.69	11.89								
8		7.7		4.79	12.49								
9		8.1		4.87	12.97								
10		8.2		4.88	13.08								
11	8.75 o ⊥	8.8	8.7	4.93	13.68								
12	9.15 ⊥ o	9.1	9.2	4.96	14.11								
13	9.30 o o	9.3	9.3	4.96	14.26								
14	9.70 o o	9.7	9.7	4.94	14.64								
15	9.90 o o	9.9	9.9	4.90	14.80								
				ch	W								

Series 204

Sc. U. April 22, 1914 Card

M. C. 4883 11h. 20m +25°

alt. corr. +.20

P. C.

	Sc 1		Sc 2		Curve	Mag.	a 1		Curve	Magn.	a 2		Curve	Magn.
1	4.0				.	.	6.2	6.20 0 0	1.06	7.26	6.2	6.5	0.95	7.45
2	4.3				.	.	7.3	7.30 0 0	1.04	8.34	7.3	7.7	0.95	8.65
3			5.1		4.45	9.55	8.5	8.45 1 0	1.14	9.59	8.4	8.8	0.94	9.74
4			5.7		4.49	10.19	9.1	9.15 ⊥ 0	1.24	10.39	9.2	9.5	1.02	10.52
5			6.8		4.63	11.43	7					7		
6			7.2		4.69	11.89					ch	W		
7			7.5		4.75	12.25								
8			7.8		4.80	12.60								
9			7.7		4.79	12.49								
10			8.2		4.88	13.08								
11		8.15 ~~2 1~~ 1 0	8.1	8.2	4.87	13.02								
12		8.35 ⊥ 0	8.3	8.4	4.90	13.25								
13		8.90 ⊥ 1	8.8	9.0	4.94	13.84								
14		9.60 1 ⊥	9.7	9.5	4.94	14.54								
15		9.80 0 0	9.8	9.8	4.92	14.72								

ch W

Series 204

Sc-U. April 22, 1914

M.C. 4884	Sc1	Pole Sc2		a1		a.2	P.C. Star sup.
5							
6				6.1	6.10 00	6.1	6.2.
8				7.3	7.30 00	7.3	7.3
9				7.7	7.70 00	7.7	7.8
10		4.6		7.9	7.95 10	8.0	8.1
11		5.1		8.5	8.50 00	8.5	8.7
12		5.4		8.7	8.75 10	8.8	9.1
13		5.8		9.1	9.10 00	9.1	9.5
14		6.2		9.3	9.40 11	9.5	9.7
15		6.4		9.8	9.80 00	9.8	
16		6.7		10.0	10.0 a.	Fn	
17		6.9					
18		7.3					
19		7.5					
20		7.9	8.0 7.95 10				
23		8.4	8.5 8.45 01				
25		8.9	9.0 8.95 10				
26		9.3	9.5 9.40 11				
27		9.8	9.8 9.80 00				
28		Fn					
29							
30							

11.18

10.15

Sc. U.

Series 204

April 23, 1914

M. C. 4884 Pole

	Sc. 1					Sc. 2	
5							
6							
8							
9			MC. 4890, p. 140				
10	Mean 4890 4884 4.70 0 0	Diff. 4.32	4.7	4.7			
11	5.10 0 0	4.45	5.1	5.1	5.1		
12	5.35 ⊥ 0	4.51	5.3	5.4			
13	5.75 0 ⊥	4.55	5.8	5.7			
14	6.10 0 0	4.55	6.1	6.1			
15	6.40 0 0	4.68	6.4	6.4			
16	6.60 1 ⊥	4.80	6.7	6.5			
17	6.95 1 2	4.68	7.1	6.8			
18	7.35 1 2	4.71	7.5	7.2			
19	7.60 1 ⊥	4.82	7.7	7.5			
20	8.08 02 03	4.65	8.1	7.9	8.05 ⊥ 2	8.2	
23	8.42 03 02	4.92	8.45	8.4	8.40 0 0	8.4	
25	8.90 00 00	4.97	8.90	8.9	8.90 0 0	8.9	
26	9.30 00 00	5.03	9.30	9.3	9.30 scratched 0 0	9.3	
27	9.80 00 00	4.89	9.80	9.8	9.80 0 0	9.8	
28	F	F	F	F1	F		
29							
30							

a. 1		MC. ~~4890~~ p. 140	Mean	Diff.	a. 2
		5.20	5.20 02 03	1.29	
5.9	5.90 0 0	5.85	5.88	1.23	5.9
7.2	7.15 0 ⊥	7.10	7.12 03 02	1.11	7.1
7.5	7.60 ⊥ 1	7.75	7.68 08 07	1.15	7.7
7.9	7.90 0 0	7.95	7.92 02 03	1.10	7.9
8.2	8.25 0 1	8.30	8.28 03 02	1.27	8.3
8.7	8.70 0 0	8.70	8.70 00 00	1.16	8.7
9.0	9.00 0 0	9.10	9.05 05 05	1.25	9.0
9.3	9.30 0 0	9.50	9.40 10 10	1.25	9.3
9.5	9.60 ⊥ 1	9.80	9.70 10 10	1.38	9.7
9.9	9.90 0 0	9.95	9.92 02 03	~~1.52~~ 1.48	9.9

P. le.

Star sup.	MC. 4890, p. 140	Mean	Diff.
	5.3	5.3 0 2	1.19
6.2	6.1	6.15 0 ⊥	0.96
7.3	7.3	7.30 0 0	0.93
7.8	8.0	7.90 ⊥ 1	0.93
8.0	8.1 R	8.05 0 1	0.97
8.4	8.7	8.55 2 1	1.00
9.0	9.1	9.05 0 1	0.81
9.7	9.5	9.60 1 ⊥	0.70
9.9	9.8	9.85 1 0	0.80
F1	F	F	F

Ch by L.H.

10.30

Series 204

Sc. U. April 23, 1914 Copied Card.

M. B. 4885 B. ~~A~~ 6 11h 00m +15.0 P. le

Diff.			Sc. 1	Sc 2	alt. corr. +.17 Curve	Magn.	a 1		Curve	Magn.	a 2		Curve	Magn.
1.19	On edge of Plate	1	3.2		.	.	5.7	5.70 00	1.24	6.94	5.7	6.2	1.00	7.20
0.96	Off of Plate	2			.	.						Off of Plate		
0.93		3	4.1		.	.	6.1	6.10 00	1.20	7.30	6.1	6.3	0.98	7.28
0.93		4	4.1		.	.	6.3	6.25 10	1.20	7.45	6.2	6.9	0.94	7.84
0.97	near edge of Plate	5	4.3		.	.	6.2	6.20 00	1.20	7.40	6.2	7.1	0.94	8.04
1.00		6	4.3		.	.	6.7	6.80 ⊥1	1.15	7.95	6.9	7.2	0.94	8.14
0.81		7	4.4		.	.	7.1	7.10 00	1.13	8.23	7.7	7.9	0.94	8.84
0.70		8	4.3		.	.	7.1	7.15 ⊥0	1.13	8.28	7.2	7.5	0.94	8.44
0.80		9	4.4		.	.	7.3	7.30 00	1.12	8.42	7.3	8.2	0.92	9.12
F		10	4.6		-4.31	8.91	7.3	7.30 00	1.12	8.42	7.3	8.1	0.93	9.03
	10a			4.8	4.38	9.18								
		11		5.0	4.42	9.42	8.0	8.05 01	1.14	9.19	8.1	8.8	0.87	9.67
		12		5.1	4.44	9.54	8.1	8.20 ⊥1	1.14	9.34	8.3	8.4	0.91	9.31
		13		5.3	4.48	9.78	8.3	8.40 ⊥1	1.15	9.55	8.5	9.0	0.84	9.84
		14		5.5	4.52	10.02	8.7	8.80 ⊥1	1.19	9.99	8.9	9.1	0.83	9.93
		15		5.6	4.53	10.13	8.5	8.50 00	1.16	9.66	8.5	9.3	0.80	10.10
		16		6.0	4.58	10.58	9.1	9.10 00	1.24	10.34	9.1	9.7	0.73	10.43
		17	ch W	6.2	4.61	10.81	9.3	9.40 ⊥1	1.29	10.69	9.5	n.d.	.	.
		18		6.5	4.65	11.15	9.7	9.75 ⊥0	1.38	11.13	9.8		ch W	
		19		6.3	4.63	10.93	9.7	9.80 ⊥1	1.40	11.20	9.9			
		20		6.6	4.66	11.26	9.9	9.90 00	1.43	11.33	9.9			
		21		6.7	4.68	11.38		ch W						
		22		7.0	4.70	11.70								
		23		7.2	4.75	11.95								
		24		7.5	4.79	12.29								
		25		7.5 7.5	4.79	12.29								
		26		7.9	4.85	12.75								
		27		8.1	4.87	12.97								
		28		8.3	4.89	13.19								

				Curve	Magn.
29	8.5			4.90	13.40
29a	8.8		8.80 i1	4.93	13.73
30	8.9	8.7		4.93	13.73
30a	9.5	9.1	9.30	4.99	14.29
31	9.8	9.5	9.65 i1	5.02	14.67
32	9.8	9.7	9.75 01	5.03	14.78
33	9.9	9.9	9.90 i0	5.06 E	14.96

ch W

Series 204

Sc. U. April 23, 1914 Copied

Card

M. b. 4886 D6 . 11h 00m −15.0 P.b.

alt. corr. +.19

			Curve.	Magn.		Sc 1	Sc 2	Curve	Magn.	a 1		Curve	Magn.	a 2		Curve	Magn.
					1	4.1		.	.	5.8	5.75 o⊥	1.26	7.01	5.7	6.1	1.01	7.11
					2	4.1		.	.	6.0	5.95 o⊥	1.22	7.17	5.9	6.4	0.97	7.37
					3	4.1		.	.	6.1	6.10 oo	1.20	7.30	6.1	6.4	0.97	7.37
					4	4.2		.	.	6.1	6.10 oo	1.20	7.30	6.1	6.5	0.96	7.46
					5	4.3		.	.	6.9	6.95 ⊥o	1.14	8.09	7.0	7.1	0.94	8.04
					6	4.3		.	.	7.1	7.20 ⊥1	1.13	8.33	7.3	7.3	0.94	8.24
					7	4.3		.	.	7.2	7.15 o⊥	1.13	8.28	7.1	7.5	0.94	8.44
					8	4.3		.	.	7.3	7.30 oo	1.12	8.42	7.3	7.8	0.94	8.74
					9	4.3		.	.	7.3	7.30 oo	1.12	8.42	7.3	8.1	0.93	9.03
					10	4.6		4.31	8.91	7.5	7.60 ⊥1	1.12	8.72	7.7	8.2	0.92	9.12
29	8.2		4.87		11	13.07	4.8	4.37	9.17	7.8	7.85 o1	1.13	8.98	7.9	8.4	0.91	9.31
30	8.2		4.87		12	13.07	4.7	4.35	9.05	8.0	8.05 o1	1.14	9.19	8.1	8.5	0.90	9.40
31	8.3		4.89		13	13.19	5.2	4.46	9.66	8.5	8.50 oo	1.16	9.66	8.5	8.7	0.89	9.59
32	8.3	~~8.5~~	4.89		14	13.19	5.0	4.42	9.42	8.3	8.40 ⊥1	1.15	9.55	8.5	8.7	0.89	9.59
33	8.5	8.50 oo 8.5	4.90		15	13.40	5.0	4.42	9.42	8.5	8.50 oo	1.16	9.66	8.5	8.9	0.86	9.76
34	9.0	8.80 2 1 8.6	4.93		16	13.73	5.3	4.48	9.78	8.7	8.80 ⊥1	1.19	9.99	8.9	9.1	0.84	9.94
35	9.3	9.10 2 1 8.9	4.97		17	14.07	5.4	4.50	9.90	8.8	8.90 ⊥1	1.20	10.10	9.0	9.5	0.76	10.26
36	9.5	9.60 ⊥1 9.7	5.02		18	14.62	5.8	4.56	10.36	9.5	9.50 oo	1.33	10.83	9.5	9.9	0.70	10.60
37	9.8	9.80 oo 9.8	5.04		19	14.84	6.1	4.60	10.70	9.2	9.30 ⊥1	1.27	10.57	9.4	9.9	0.70	10.60
			ch W		20		6.3	4.63	10.93						F		F
					21		6.7	4.68	11.38					ch	W		
					22		7.0	4.70	11.70								
					23		7.1	4.73	11.83								
					24		7.2	4.74	11.94								
					25		7.2	4.74	11.94								
					26		7.7	4.83	12.53								
					27		7.9	4.85	12.75								
					28		8.1	4.87	12.97								

Series 204

Sc. U. April 23, 1914 Card.

M. C. 4887 $11^{h}. 40^{m}$ alt. corr. +15 P. C.

	Sc 1	Sc 2		Curve	Magn. +10.0	a.1		Curve	Magn.	a.2		Curve	Magn.
1	3.6–3.8			.	.	5.8	5.85 o 1	1.23	7.08	5.9	6.2	1.00	7.20
2		4.6		4.31	8.91	7.5	7.60 ⊥ 1	1.12	8.72	7.7	8.1	0.93	9.03
3		5.1		4.44	9.54	8.2	8.35 2 2	1.15	9.50	8.5	8.8	0.87	9.67
4		5.7		4.55	10.25	8.9	8.95 ⊥ a	1.20	10.15	9.0	9.8	0.71	10.51
5		7.1		4.73	11.83	Fr		F					
6		7.3		4.76	12.06					ch W			
7		7.7		4.83	12.53								
8		8.4		4.90	13.30								
9		8.8		4.94	13.74								
10		9.0		4.95	13.95								
11	9.10 i ⊥	9.2	9.0	4.97	14.07								
12	9.50 o o	9.5	9.5	5.01	14.51								
13	9.70 o o	9.7	9.7	5.03	14.73								
14	9.70 o o	9.7	9.7	5.03	14.73								
15	9.80 o o	9.8	9.8	5.04	14.84								

ch W

Series 204

Sc. U.

April 23, 1914 Card

M. b. 4888 11h. 40m +25.0 alt. corr. +.20 P. b.

	Sc. 1	Sc. 2		Curve	Magn.	Q. 1		Curve	Magn.	Q. 2		Curve	Magn.
1	3.8:			.	.	6.1	6.10 oo	1.20	7.30	6.1	6.3	0.98	7.28
2	4.0			.	.	6.3	6.30 oo	1.19	7.49	6.3	6.9	0.94	7.84
3	4.3			.	.	7.5	7.40 i1	1.12	8.52	7.3	7.8	0.94	8.74
4		5.2		4.46	9.66	8.5	8.50 oo	1.16	9.66	8.5	9.1	0.83	9.93
5		5.8		4.56	10.36	9.1	9.20 ⊥1	1.25	10.45	9.3	9.7	0.73	10.43
6		6.3		4.63	10.93	9.8	9.80 oo	1.40	11.20	9.8	Fl	.	f
7		6.6		4.66	11.26	9.9	9.9 a f	1.44	11.34	Fl			
8		7.4		4.78	12.18								
9		8.0		4.85	12.85								
10		8.3		4.89	13.19								
11	8.75 ⊥ 0	8.7	8.8	4.93	13.68								
12	8.90 oo	8.9	8.9	4.94	13.84								
13	9.10 oo	9.1	9.1	4.97	14.07								
14	9.50 oo	9.5	9.5	5.00	14.50								
15	9.80 oo	9.8	9.8	5.04	14.84								

ch W

ch W

Series 204

Sc. U. April 23, 1914 Card

M. B. 4889 $12^h\ 00^m$ +10.0 alt. corr. +.15 P. B.

	Sc 1	Sc 2		Curve	Magn.	a 1		Curve	Magn.	a 2		Curve	Magn.
1	3.7			.	.	6.1	6.10 00	1.20	7.30	6.1	6.4	0.97	7.37
2	4.1			.	.	7.1	7.15 ⊥0	1.13	8.28	7.2	7.5	0.94	8.44
3		4.7		4.36	9.06	8.0	8.05 01	1.14	9.19	8.1	8.7	0.89	9.59
4		5.4		4.50	9.90	9.5	9.50 00	1.33	10.83	9.5	9.7	0.73	10.43
5		6.1		4.60	10.70	9.8	9.85 01	1.42	11.27	9.9	10.0	.	.
6		6.3		4.63	10.93								
7		6.7		4.68	11.38								
8		7.2		4.75	11.95								
9		7.7		4.83	12.53								
10		7.7		4.83	12.53								
11	8.00 00	8.0	8.0	4.85	12.85								
12	8.45 10	8.5	8.4	4.90	13.35								
13	9.40 ⊥1	9.3	9.5	5.00	14.40								
14	9.60 ⊥1	9.5	9.7	5.02	14.62								
15	9.90 00	9.9	9.9	5.05ε	14.95ε								

ch W (a 1 / a 2)

ch W (rows 1–15)

Series 204

Sc. U. April 23, 1914

		M.L. 4890		Pole					P.L.	
		sc 1	sc 2			a 1		a 2		
	5					5.2	5.20 oo	5.2	5.3	
	6					5.8	5.85 o i	5.9	6.1	
	8					7.1	7.10 oo	7.1	7.3	
	9					7.7	7.75 ⊥o	7.8	8.0	
	10		4.7			7.9	7.95 ⊥o	8.0	8.1	Star near sp.
	11		5.1			8.3	8.30 oo	8.3	8.7	
	12		5.3			8.7	8.70 oo	8.7	9.1	
	13		5.8			9.1	9.10 oo	9.1	9.5	
	14		6.1			9.5	9.50 oo	9.5	9.8	
	15		6.4			9.8	9.80 oo	9.8	Fr	
	16		6.7			9.9	9.95 ⊥o	~~9~~ 10.0		
	17		7.1							
	18		7.5							
	19		7.7							
	20		8.1							
	23		8.4	8.5	8.45 o i					
	25		8.9	8.9	8.90 oo					
	26		9.3	9.3	9.30 oo					
	27		9.8 F	9.8 F	9.80 oo					
12.09	28		~~9.9~~	~~10.0~~						
	29									
	30									

Series 165

Card.

11.20 Scale. U. Copied April 27, 1914

M.C. 4338 136 12. alt. corr. -27

	Sc 1	Sc 2.		Curve	Magn.	Magn.	P.	C.		Curve	Magn.
1		5.3		4.6~~4~~ 1	9.94	9.91	8.3	8.6	8.45 ⊥ 2	1.0~~7~~ 8	9.5~~7~~ 3
2		5.4		4.6~~4~~ 1	10.04	10.01	8.3	8.5	8.40 ⊥ 1	1.08	9.48
3		6.2		4.6~~3~~ 8	10.83	10.88	9.8	9.9	9.85 0 1	1.~~31~~ .23	11.~~16~~ .08
4		6.6		~~4.64~~ .75	11.24	11.35	h.s.				dW
5		7.2		4.~~7~~3 .8	11.93	12.03					
6		7.7		4.8~~7~~ .92	12.57	12.62					
7		8.2		5.0~~2~~ .12	13.23	13.32					
8	8.50 0 0	8.5	8.5	5.0~~9~~ .27	13.59	13.77					
9	8.70 0 0	8.7	8.7	5.1~~8~~ .34	13.83	14.04					
10	9.05 0 1	9.0	9.1	5.1~~7~~ .42	14.22	14.47					
11	9.70 0 0	9.7	9.7	5.2~~4~~ .52	14.94	15.22					
12	9.90 0 0	9.9	9.9	5.2~~5~~ .54	15.15	15.44					
13		h.s.		.	.	dW					
14		h.s.		.	.						
15		h.s.		.	.						

Plate is very poor. Does not show faint stars.

up.

Series 165

Scale U. April 27, 1914

	Mb 4339 Sc 1	Sc 2	Pole	MC 4843 p. 146	Mean	Diff.	Curve Magn.	r.	b.	MC 4343	Mean	Resid. ~~Diff.~~
5							5.40 00	5.4	5.4	5.$\overset{6}{4}$0	5.$\overset{5}{4}$0	$\overset{1}{00}$ $\overset{1}{00}$
6							6.10 00	6.1	6.1	6.15	6.12	$\underline{02}$ 03
8							7.30 00	7.3	7.3	7.25	7.28	02 $\underline{03}$
9							7.80 00	7.8	7.8	7.80	7.80	00 00
10	4.3			4.3	4.30 00	4.72	8.00 00	8.0	8.0	7.95	7.98	02 $\underline{03}$
11		5.0		~~5.3~~ 4.9	4.95 0⊥	4.60		8.5		8.4	8.45	1 0
12		5.3		5.$\overset{3}{7}$	5.30 00	4.56		8.5		8.7	8.60	⊥1
13		5.6		5.7	5.65 01	4.65		9.2		9.0	9.10	1⊥
14		5.9		5.9	5.90 00	4.75		9.5		9.5	9.50	00
15		6.2		6.3	6.25 01	4.83		9.8		9.8	9.80	00
16		6.5		6.7	6.60 ⊥1	4.80		10.0		10.0	10.00	00
17		6.7		6.9	6.80 ⊥1	4.83						
18		7.2		7.3	7.25 01	4.81						
19		7.7		7.5	7.60 1⊥	4.82						
20		7.9		7.8	7.85 10	4.88						
23		8.1		8.15	8.12 $\underline{02}$ 03	5.22						
25	8.55 ⊥0	8.5	8.6	8.50	8.52 03 $\underline{02}$	5.35						
26	8.85 10	8.9	8.8	8.90	8.88 $\underline{03}$ 02	5.45						
27	9.20 00	9.2	9.2	9.30	9.25 $\underline{05}$ 05	5.44						
28	9.50 00	9.5	9.5	9.75	9.62 $\underline{12}$ 13	5.49						
29	9.95 ⊥0	9.9	10.0	F	9.95 ± 5	5.71						
30												

	Diff.
5	$\overset{0.99}{1.09}$
6	0.99
8	0.95
9	1.03
10	1.04
11	1.10
12	1.$\overset{2}{0}$6
13	1.20
14	1.15
15	1.28
16	1.40

Series 165

Card.

Sc U. Copied April 27, 1914 Alt. Corr. -.23

M. b. 4340 D 11

	Sc 1	Sc 2	Curve	Magn.	P.C. Curve	P.C. Magn.	Sec. measures		p
1	3.7		.	.	0.99	7.19	6.2	6.20 0 0	6.2
2	3.9		:	.	0.99	7.64	6.6	6.55 1 0	6.5
3	4.2		4.64	8.84	0.99	7.84	6.8	6.85 1 0	6.9
4	4.1		4.65	8.75	0.99	7.89	6.9	6.90 0 0	6.9
5	4.1		4.65	8.75	0.99	7.84	6.9	6.85 0 1	6.8
6	4.2		4.64	8.84	0.99	7.89			6.9
7	4.2		4.64	8.84	0.99	8.09			7.1
8	4.2		4.64	8.84	0.99	7.79			6.8
9	4.4		4.63	9.03	0.99	8.29			7.3
10	4.3		4.64	8.94	0.99	8.29			7.3
11	4.3		4.64	8.94	1.00	8.60			7.6
12	4.7		4.62	9.32	1.02	8.92			7.9
13		4.8	4.61	9.41	1.04	9.14			8.1
14		5.2	4.61	9.81	1.07	9.47			8.4
15		5.4	4.61	10.01	1.12	10.02			8.9
16		5.4	4.61	10.01	1.12	10.02			8.9
17		5.4	4.61	10.01	1.17	10.47			9.3
18		5.6	4.63	10.23	1.19	10.69			9.5
19		5.7	4.64	10.34	1.21	10.91			9.7
20		5.9	4.65	10.55	1.21	10.91			9.7
21		6.1	4.68	10.78	1.21	10.91			9.7
22		6.2	4.69	10.89	1.22	11.02			9.8
23		6.3	4.71	11.01	1.22	11.02			9.8
24		6.3	4.71	11.01	1.21	10.91			9.7
25		6.5	4.74	11.24	ch W				
26		6.6	4.76	11.36					
27		6.9	4.79	11.69					
28		6.9	4.79	11.69					

	Magn.	b.			Curve
29	12.03	7.2			4.83
30	12.63	7.7			4.93
31	13.03	8.0			5.03
32	13.03	8.0			5.03
33	13.32	8.2			5.12
34	13.47	8.3			5.17
35	13.92	8.6			5.32
36	14.04	8.7			5.34
37	14.54	9.1			5.44
38	14.66	9.3	9.20 1 0	9.1	5.46
39	14.42	9.0	9.00 0 0	9.0	5.42
40	15.00	9.5	9.50 0 0	9.5	5.50
41	15.26	9.8	9.75 0 1	9.7	5.57
42	15.38	9.9	9.85 1 0	9.8	5.53
43	F	F			F

ch W

Series 165

Sc. U. Copied Card. April 27, 1914

M. C. 4341 137 K alt. Corr. -.24

	Sc1	Sc2		Curve	Magn.	P.	C.			Curve	Magn.
1	4.4 :			4.63	9.83	7.7	7.7	7.70	oo	1.01	8.71
2		5.1		4.61	9.71	8.7	8.7	8.70	oo	1.10	9.80
3	5.4	5.4		4.61	10.01	9.2	9.2	9.20	oo	1.15	10.35
4		6.2		4.69	10.89 :	9.9	9.9	9.90	oo	1.24	11.14
5		6.8		4.79	11.59	9.9	9.9	9.90	oo	1.24	11.14
6		7.2		4.83	12.03						ch W
7		7.3		4.84	12.14						
8		7.4		4.86	12.26						
9		7.8		4.95	12.75						
10		8.2		5.12	13.32						
11	8.35 ±1	8.2	8.5	5.20	13.55						
12	8.70 oo	8.7	8.7	5.34	14.04						
13	9.20 ⊥1	9.3	9.1	5.46	14.66						
14	9.15 ⊥0	9.1	9.2	5.45	14.60						
15	9.75 ⊥0	9.7	9.8	5.52	15.27						
					ch W						

Series 165

Sc U. Copied Card. April 27, 1914

M. C. 4342 9 ½s

		Sc 1	Sc 2		Curve	Magn.
1		3.2			.	.
2		4.2			4.64	8.84
3		4.4			4.63	9.03
4			5.7		4.64	10.34
5			6.2		4.69	10.89
6			6.9		4.79	11.69
7			7.8		4.95	12.75
8			8.1		5.07	13.17
9			8.5		5.28	13.78
10			8.7		5.34	14.04
11	8.90 oo		8.9	8.9	5.40	14.30
12	9.25 2⊥		9.4	9.1	5.47	14.72
13	9.50 oo		9.5	9.5	5.50	15.00
14	9.75 ⊥o		9.7	9.8	5.52	15.27
15	9.80 oo		9.8	9.8	5.53	15.33
						ch W

Alt. Corr. +.2

P.	C.		Curve	Magn.
5.8	5.7	5.75 0⊥	1.01	6.76
7.4	7.5	7.45 01	0.99	8.44
7.9	7.9	7.90 00	1.03	8.93
9.2	9.2	9.20 00	1.16	10.36
9.8	9.8	9.80 00	1.22	11.02
[illegible]		F	F	F
				ch W

Series 165

Sc U.

April 27, 1914

	Mb. 4343 Sc1	Sc2	Pole			P.	b.	
5 x						5.8	5.4	5.$\overset{6}{4}$0 $\overset{22}{oo}$
6 x						6.2 7.8	6.1	6.15 o⊥
8 x						7.3	7.2	7.25 io
9 x						7.8	7.8	7.80 oo
10 x	4.3					7.9	8.0	7.95 ⊥o
11 x		4.9				8.4		
12		5.3				8.7		
13		5.7				9.0		
14		5.9				9.5		
15		6.3				9.8		
16		6.7				10.0		
17		6.9						
18		7.3						
19		7.5						
20		7.8						
23		8.2	8.1	8.15 o⊥				
25		8.6	8.4	8.50 i⊥				
26		9.0	8.8	8.90 i⊥				
27		9.3	9.3	9.30 oo				
28		9.7	9.8	9.75 ⊥o				
29		[illegible]		§				
30								

12.30
S.E.S

Series 165

10.50

Sc. U.

April 29, 1914

	M. B. 4343 Sc 1	Sc.2.	Pole	MC 4349 p. 153	Mean		Diff.		P.	B.	MC 4349 p. 153	Mean		Diff
5								5.70 00	5.7	5.7	5.60	5.65	05 05	0.84
6								6.20 00	6.2	6.2	6.10	6.15	05 05	0.96
8								7.30 00	7.3	7.3	7.20	7.25	05 05	0.98
9								7.80 00	7.8	7.8	7.75	7.78	02 03	1.05
10	4.3			4.3	4.30	00	4.72	7.95 00	8.0	7.9	8.00	7.98	03 02	1.04
11		5.0		4.8	4.90	11	4.65		8.5		8.5	8.50	0 0	1.05
12		5.3		5.2	5.25	10	4.61		8.9		8.7	8.80	11	1.06
13		5.7		5.3	5.50	22	4.80		9.2		9.0	9.10	11	1.20
14		6.1		6.1	6.10	00	4.55		9.5		9.3	9.40	11	1.25
15		6.5		6.3	6.40	11	4.68		9.8		9.8	9.80	00	1.28
16		6.8		6.6	6.70	11	4.70							
17		7.1		6.9	7.00	11	4.63							
18		7.5		7.3	7.40	11	4.66							
19		7.7		7.5	7.60	11	4.82							
20		8.0		7.7	7.$\overset{8}{7}$5	21	4.$\overset{8}{9}$8							
23	8.40 11	8.5	8.3	8.20	8.30	10 10	5.04							
25	8.75 01	8.8	8.7	8.70	8.72	03 02	5.15							
26	9.00 00	9.0	9.0	9.10	9.05	05 05	5.28							
27	9.45 10	9.5	9.4	9.50	9.48	03 02	5.21							
28	9.85 10	9.9	9.8	9.85	9.85	00 00	5.26							
29														
30														

Series 165

Card

Scale. U. Copied April 29, 1914 alt. corr. +23

M. C. 4344 23 h. 00 m. +39 30 Carte du Ciel P. C.

	Sc. 1		Sc. 2		Corrn	Magn.
1	3.7 :				.	~~3.7~~
2	4.2				4.71	8.91
3			5.0		4.65	9.65
4			6.2		4.63	10.83 :
5			6.8		4.66	11.46
6			7.2		4.72	11.92
7			7.5		4.80	12.30
8			7.7		4.88	12.58
9			8.2		5.02	13.22
10			8.5		5.09	13.59
11		8.85 ⊥2	8.7	9.0	5.15	~~13.95~~ 14.00
12		9.15 ⊥0	9.1	9.2	5.18	14.33
13		9.40 ⊥1	9.3	9.5	5.20	14.60
14		9.75 o⊥	9.8	9.7	5.24	14.99
15		9.80 oo	9.8	9.8	5.25	15.05

ch W

			Corrn.	Magn.
6.3	6.2	6.25 10	0.92	7.17
7.2	7.3	7.25 01	1.00	8.25
8.4	8.3	8.35 o⊥	1.08	9.43
9.9	9.9	9.90 oo	1.31	11.21

ch W

Series 165

Card.

Sc. U. Copied April 29. 1914 alt. corr +22

M. C. 4345 23h. 00m. +54° 30′ Carte du Ciel P. C.

				Curve	Magn.				Curve	Magn.
1	4.2			4.71	8.91	7.3	7.4	7.35 ⊥0	1.00	8.35
2	4.3			4.71	9.01	7.7	7.8	7.75 ⊥0	1.02	8.77
3	5.0			4.65	9.65	8.3	8.5	8.40 ⊥1	1.09	9.49
4		5.8		4.62	10.42	9.1	9.1	9.10 00	1.18	10.28
5		6.7		4.65	11.35	F		F	F	F
6		7.0		4.69	11.69					ch. W
7		7.3		4.75	12.05					
8		7.7		4.88	12.58					
9		7.8		4.90	12.70					
10		8.0		4.98	12.98					
11	8.30 00	8.3	8.3	5.05	13.35					
12	8.70 00	8.7	8.7	5.13	13.83					
13	9.00 00	9.0	9.0	5.16	14.16					
14	9.50 00	9.5	9.5	5.21	14.71					
15	9.85 10	9.9	9.8	5.25	15.10					
					ch. W					

June 3, 1914. Two stars numbered 4 on this plate. Remeasured to determine which was measured above. Scale readings 6.0 for both stars. See plate cover for remark.

Series 165

Card.

Sc. U. Copied April 29, 1914 alt. corr. +.11 ~~+.22~~

M. C. 4346 0h 00m +4.5 Carte du Ciel V C.

	Sc 1	Sc 2		Curve	Magn.
1	4.3 :			4.71	9.01
2	4.3			4.71	9.01
3	4.7			4.69	9.39
4		5.9		4.63	10.53 :
5		6.1		4.63	10.73
6		6.4		4.63	11.03
7		7.3		4.75	12.05
8		7.5		4.80	12.30
9		8.2		5.02	13.22
10		8.3		5.05	13.35
11	8.50 11	8.6	8.4	5.09	13.59
12	8.85 01	8.8	8.9	5.14	13.99
13	9.00 00	9.0	9.0	5.16	14.16
14	9.35 01	9.4	9.3	5.20	14.55
15	9.70 00	9.7	9.7	5.23	14.93

ch W

Carte du Ciel	V	C.	Curve	Magn.
7.30 00	7.3	7.3	1.00	8.30
7.50 00	7.5	7.5	1.01	8.51
8.15 01	8.2	8.1	1.06	9.21
9.70 00	9.7	9.7	1.28	10.98
9.90 00	9.9	9.9	1.31	11.21

ch W

Remeasured by Ld. Mar. 4, 1916.
Rec. O.

	sc. 2
3	4.8
4	6.2
5	6.5
6	6.8
7	7.7
8	8.0

Reject measures of Stars 5 to 8.
Some mistake apparently made either
in measuring or recording.

H. S. L. March 4, 1916.

Series 165

Card.

Sc. U. Copied April 29, 1914 Alt. Corr. +18

M. C. 4347 0h 00m +17°.5 Carte du Ciel P. D.

					Curr.	Magn.
1	3.7				.	.
2	4.1				4.72	8.82
3	4.2				4.71	8.91
4			4.9		4.66	9.56
5			6.0		4.63	10.63
6			6.2		4.63	10.83
7			6.3		4.63	10.93
8			7.3		4.75	12.05
9			7.6		4.82	12.42
10			7.7		4.88	12.58
11		8.10 00	8.1	8.1	5.00	13.10
12		8.30 00	8.3	8.3	5.05	13.35
13		8.75 01	8.8	8.7	5.13	13.88
14		9.25 12	9.1	9.4	5.19	14.44
15		9.80 00	9.8	9.8	5.24	15.04

~~These Images are El~~ ch W

Carte du Ciel	P. D.		Curr.	Magn.
6.20 00	6.2	6.2	0.92	7.12
6.60 11	6.7	6.5	0.95	7.55
7.90 11	8.0	7.8	1.03	8.93
8.70 00	8.7	8.7	1.12	9.82
9.85 11	9.9	9.8	1.31	11.16

ch W

These Images are Elongated

Series 165

Card

Copied

Sc. U. April 29. 1914

M. b. 4348 $0^{h.}$ $00^{m.}$ + 31.5 Carte du Ciel P b. Alt. corr + 22

	Sc. 1.	Sc. 2.		Courbe	Magn.	Carte du Ciel	P	b.	Courbe	Magn.
1	3.9 :					6.55 2 1	6.4	6.7	0.94	7.49
2	4.2			4.71	8.91	7.35 1 2	7.5	7.2	1.00	8.35
3		5.1		4.65	9.75	8.95 0 1	9.0	8.9	1.15	10.10
4		5.1		4.65	9.75 :	9.05 1 0	9.1	9.0	1.17	10.22
5		6.3		4.63	10.93	F	H	H	F	F
6		7.0		4.69	11.69					ch W
7		7.7		4.84	12.54					
8		8.1		5.00	13.10					
9		8.4		5.07	13.47					
10		8.7		5.13	13.83					
11		8.70 2 2 8.9	8.5	5.13	13.83					
12		9.10 0 0 9.1	9.1	5.18	14.28					
13		9.40 1 1 9.3	9.5	5.20	14.60					
14		9.50 0 0 9.5	9.5	5.21	14.71					
15		9.70 0 0 9.7	9.7	5.23	14.93					
					ch W					

Series 165

April 29, 1914

M.b 4.349 Pole 0h 36m +90°.0 P.b.

5	Sc. 1	Sc. 2. 5		5.60 00	5.6	5.6
6				6.10 00	6.1	6.1
8				7.20 00	7.2	7.2
9				7.75 01	7.8	7.7
10	4.3			8.00 00	8.0	8.0
11	1	4.8			8.5	
12		5.2			8.7	
13		5.3			9.0	
14		6.1			9.3	
15		6.3			9.8	
16		6.6				
17		6.9				
18		7.3				
19		7.5				
20		7.7				
23	8.20 00	8.2	8.2			
25	8.70 00	8.7	8.7			
26	9.10 00	9.1	9.1			
27	9.50 00	9.5	9.5			
28	9.85 10	9.9	9.8			
29						
30						

11.50
G.C.S.

Series

Scale

11.50

May 5, 1914

Sc.1	Sc.2	

Series 254

YELLOW

Scale W August 25, 1914

3 20 MC 5504 Ple Eryth. Plate

	Sc1			Sc2	MC 5509 P. 159	Mean	Diff		Curve	Magn
5										
6	3.3	3.4			3.2	3.30	11	+3.68	+3.66	6.96
7	4.0	4.1			4.1	4.10	00	(3.36)^D		
8	5.1	5.2	5.15 01	5.1	5.05	5.10	05 05	2.9~~0~~ 3	2.94	8.04
9	6.1	6.2	6.20 00	6.2	6.3	6.25	05 05	2.49	2.50	8.75
10				6.5	6.5	6.50	00	2.38	2.42	8.92
11				7.1	7.1	7.10	00	2.26	2.24	9.34
12				7.5	7.5	7.50	00	2.08	2.14	9.64
13				8.0	8.0	8.00	00	2.08	2.03	10.03
14				8.3	8.3	8.30	00	1.94	1.98	10.28
15				8.7	8.6	8.65	10	1.99	1.93	10.58
16				9.1	9.0	9.05	10	1.89	1.88	10.93
17				9.3	9.2	9.25	10	1.79	1.87	11.12
18				9.7	9.8	9.75	10	1.81	1.87	11.62
19				f	10.0?	10.0?	a	1.94?	1.89?	11.89?
+88 2	5.0	5.1	5.10 00	5.1	5.3	5.20	10 10	cl W ~~.99~~	2.90	8.10
90				6.3	6.3	6.30	00		2.47	8.77
105				5.2	5.1	5.15	01		2.92	8.07
115				6.5	6.5	6.50	00		2.41	8.91
4p				7.7	7.5	7.60	11	1.96	2.11	9.71
5p				7.9	7.7	7.80	11	1.99	2.07	9.87
2r	2.0?	2.1?			2.0	2.05?	10	4.26? ~~.34~~	2.	
3r	4.1	4.2			4.0	4.10	11	3.31	3.34	7.44
4r				5.2	5.2	5.20	00	2.90	2.90	8.10
5r				6.0	5.9	5.95	01	2.51	2.60	8.55
6r				6.9	7.0	6.95	10	2.97	2.27	9.22

	MC 5509 P.159		* Mean		Diff.
7r	7.7	7.6	7.65	10	+2.02
8r	8.1	8.1	8.10	00	2.08
9r	8.9	8.7	8.80	11	1.84
10r	8.7	8.4	8.55	12	3.24
11r	10.0?	9.5	9.75	23	2.04?
12r	f				

~~Res~~

*	Mean	Curve	Magn.
7r	7.65	+2.10	9.75
8r	8.10	2.02	10.12
9r	8.80	1.90	10.70
10r	8.55	1.96	10.51
11r	9.75	1.87	11.62
12r			

cl W

Series 254

Scale W | YELLOW | August 25, 1914 | Copied | Card.

MC 5505 b7 (Ength). * alt. corr. +.09

		Sc 1	Sc 2	Curve	Magn.	Pc
	1	On edge of film.				
Im. defective	2	3.9 ? 4.0 ?		3.37 ?	7.37 ?	83
	3	4.9 5.0		2.97	7.97	89
	4	5.0 5.1		2.94	8.04	9.1
	5	4.1 4.2		3.30	7.50	87
	6	6.0 6.1 6.00 11	5.9	2.57	8.57	
	7	6.2 6.3 6.20 11	6.1	2.51	8.71	
	8		6.7	2.35	9.05	
	9		7.1	2.24	9.34	
	10		7.1	2.24	9.34	
	11		6.3	2.47	8.77	
	12		7.1	2.24	9.34	
	13		8.0	2.03	10.03	
	14		7.9	2.06	9.96	
	15		8.2	2.00	10.20	
	16		8.2	2.00	10.20	
	17		9.0	1.88	10.88	
	18		8.7	1.91	10.61	
	19		9.05 10 9.1 9.0	1.87	10.92	
	20		9.25 01 9.2 9.3	1.86	11.21	
	21		9.60 11 9.5 9.7	1.87	11.47	
	22	w.s	10.0 10.0000 9.3 10.0	1.89	11.89	
	23		F			

ChW

* P.C.'s not platted for first half of series, as they were measured on only the second foto plate.

Series 254

Copied

Sc. W YELLOW August 25, 1914. Card.

Me 5506 = M3 Too poor?

" 5507 = B6 Eryth. Alt. corr. +.13

		Sc 1			Sc 2	Curve	Magn.	*Pc
	1	1.9?	2.0?			ε	.	8.3
	2	+p	.			.	.	8.2
	3	+p	.			.	.	8.5
	4	B	.			.	.	7.3
On edge	5	3.0?	3.1?			+3.73?	6.83?	8.7
	6	4.1	4.2			3.30	7.50	9.2
	7	4.7	4.8			3.05	7.85	
	8	4.9	5.0	5.00^{00}	5.0	2.97	7.97	
	9				6.1	2.55	8.65	
	10				6.7	2.34	9.04	
	11				6.7	2.34	9.04	
	12				6.9	2.29	9.19	
	13				7.3	2.18	9.48	
	14				8.0	2.03	10.03	
	15				8.0	2.03	10.03	
	16				7.8	2.07	9.87	
	17				7.7	2.09	9.79	
	18				8.3	1.99	10.29	
	19				8.7	1.92	10.62	
	20				8.7	1.92	10.62	
	21				f	.	.	
	22				f	.	.	
	23				f	.	.	
	24				9.0	1.88	10.88	
	25				f	.	.	
	26				9.5?	1.97?	11.47?	

ate.

ChW

* See note page 156

Series 254

De W YELLOW August 25, 1914 Copied Card

MC 5508 D8 Eryth. * pc alt. corr. −.10

		Sol		Curve	Magn	pc
On edge	1	3.9 4.0		+3.37	7.37	8.9
" "	2	4.0 4.1		3.34	7.44	9.0
	3	4.1 4.2		3.29	7.49	9.0
	4	tp ·		·	·	8.9
	5	5.0 5.1 5.05 10	5.0	2.95	8.00	9.0
	6	4.8 4.9 4.80 11	4.7	3.04	7.84	9.1
	7		5.1	2.93	8.03	9.4
	8	4.3 4.4		3.22	7.62	9.0
	9	w.s.	~~5.9~~	·	·	
	10		5.9	$2.\overset{6}{5}2$	$8.\overset{5}{4}2$	
	11		6.4	$\overset{2.}{\cancel{1}}44$	8.84	
	12		5.7	2.70	8.40	
	13		5.3	2.85	8.15	
	14		7.2	2.21	9.41	
	15		7.2	2.21	9.41	
	16		7.3	2.17	9.47	
	17		7.6	2.11	9.71	
	18		8.4	1.97	10.37	
	19		8.0	2.03	10.03	
Remeas. July 10, 17.	20		8.2	2.00	10.20	
8.3	21		8.3	1.98	10.28	
9.4	22		9. 8.6	1.87 ~~1.94~~	11.47 ~~10.54~~	
8.6	23		8.5	1.95	10.45	
	24		8.3	1.98	10.28	
	25		9.5	1.87	$11.\overset{3}{5}7$	
	26		~~8.7~~ 9.8	1.88	11.68	
	27		~~10.7~~			

deW

Chart of this region missing. Stars not on MC 5731 - marked from plotting by a.B.W *

Series 254

Se W   YELLOW   August 25, 1914

Mc 5509 Pole Eryth.   Pc

5 B.			8.2	8r 8.1
6	3.1 3.2		8.7	9r 8.7
7	4.0 4.1		8.9	10r 8.4
8	5.0 5.1 5.05 10	5.0		11r 9.5
9		6.3		12r —
10		6.5		
11		7.1		
12		7.5		
13		8.0		
14		8.3		
15		8.6		
16		9.0		
17		9.2		
18		9.8		
19		10.0		
88 2		5.3		
90		6.3		
105		5.1		
115		6.5		
4D		7.5		
5D.		7.7		
2r	1.9 2.0		8.2	
3r	3.9 4.0			
4r		5.2		
5r		5.9		
6r		7.0		
7r		7.6		

5   38

Series 254

Sc. W

YELLOW

August 28 1914

9 h5 Mh 55.09 Pole Seq.

		Sc 1			Sc 2	MC 5515 P.166	Mean	Diff		Bc	MC 5515 P.166	Mean		Diff
I m. large-hazy not comp with st.	5									8.3	8.2	8.25	10	−1.88
Curve Magn. +3.83 6.98	6	3.0	3.1			3.2	3.15	10	+3.83	8.7	8.7	8.70	00	−1.72
(3.43) (7.38)	7	3.8	3.9			4.0	3.95	10	(3.51)	8.9	9.0	8.95	10	−1.49
										Curve	Magn.			
→	8	5.1	5.2	5.15 01	5.1	5.10	5.12	03 02	2.91	+2.92	8.04 ch W			
	9				6.2	6.3	6.25	01	2.49	2.49	8.74			
	10				6.5	6.5	6.50	00	2.38	2.38	8.88			
	11				7.2	7.1	7.15	01	2.21	2.22	9.37			
	12				7.5	7.5	7.50	00	2.08	2.13	9.63			
	13				8.0	8.0	8.00	00	2.08	2.03	10.03			
	14				8.3	8.3	8.30	00	1.94	1.96	10.26			
	15				8.7	8.7	8.70	00	1.94	1.90	10.60			
	16				8.9	9.0	8.95	10	1.99	1.86	10.81			
	17				9.2	9.3	9.25	01	1.79	1.82	11.07			
	18				9.8	9.9	9.85	01	1.71	1.73	11.58			
	19				ns									
						MC 5515 P.166		01	ch W Curve	Magn.				
88	2				5.2	5.1	5.15		+2.92	8.07				
	90				6.2	6.3	6.25	01	2.49	8.74				
	105				5.1	5.2	5.15	10	2.92	8.07				
	115				6.7	6.7	6.70	00	2.33	9.03				
	4p				7.7	7.7	7.70	00	2.08	9.78				
	5p				7.9	7.8	7.85	10	2.06	9.91				
	2n	2.0	2.1			2.1	2.10	00		8.3	8.1	8.20	11	Curve Magn. −1.69 6.51
	3n	4.0	4.1			4.2	4.15	10	3.34	7.49				
	4n				5.1	5.3	5.20	10	2.89	8.09				
	5n				5.8	5.9	5.85	01	2.62	8.47				
	6n				6.9	6.9	6.90	00	2.27	9.17				
	7n				7.7	7.7	7.70	00	2.08	9.78				

	MC 5515 P.166		Mean	Curve	Magn.
8n	8.2	8.3	8.25 01	+1.98	10.23
9n	8.7	8.7	8.70 00	1.90	10.60
10n	8.5	·	8.50	1.93	10.43
11n	9.7	·	9.70	1.76	11.46
12n	ns				

	P.C. Magn.	Curve	Magn.
5	8.25	−1.70	6.55
6	8.70	−1.70	7.00
7	8.95	−1.71	7.24

ch W

Series 254

Copied

SeW YELLOW August 28, 1914

Card.

Mb 5510 b8 Eng.

Alt. corr. +.10

Magn.			Se 1			Se 2	Curve	Magn.		Card.
.23		1	3.0	3.1			+3.86	6.96		26
.60	On edge	2	3.1	3.2			3.80	7.00		27
.43		3	5.0	5.1	5.10^{00}	5.1	2.93	8.03		a ~~97~~
.46	On edge	4	2.7?	2.8?			$\overset{2}{4.03}$?	$\overset{2}{6.83}$?		28
		5	2.0	2.1			2.	ε		29
		6	3.2	3.3			3.75	7.05		a
		6a	5.8	5.9	$5.80^{1!}$	5.7	2.65	8.45		
		7				5.8	2.65	8.45		
		8	4.7	4.8	$4.75^{0!}$	4.7	3.07	7.82		
		9				5.2	2.89	8.09		
		10				7.1	2.23	9.33		
		11				6.9	2.27	9.17		
		12				6.1	2.53	8.63		
		13				6.1	2.53	8.63		
		14				7.0	2.26	9.26		
		15				7.7	2.08	9.78		
		16				7.8	2.07	9.87		
		17				6.9	2.27	9.17		
		18				8.2	1.99	10.19		
		19				7.7	2.08	9.78		
		20				7.2	2.21	9.41	Remeas. by O. July 12, '17.	
		21				8.8	1.88	10.68	9.1	
		22				9.0	1.85	10.85	9.3	
		23				9.7	1.76	11.46	9.$\overset{4}{8}$	
		24				9.9	1.73	11.63		
		25				S				
		a						hW		

22 and 23 are of nearly same brightness. Sm. are elongated and do not compare well with SC.W.

Series: 25x

SeW YELLOW August 28, 1914 Copied Card.

MC 5511 M5 Ength. alt. corr. +.05.

	Se1	Se2	Curve	Magn.
1		6.7	+2.32	9.02
2		6.9	2.27	9.17
3		6.9	2.27	9.17
4		8.5	1.93	10.43
5		8.1	2.01	10.11
6		8.6	1.92	10.52
7		9.9	1.73	11.63
8		f	.	.
α		8.7	1.90	10.60
β		9.3	1.81	11.11
δ		9.1	1.84	10.94
b		9.2	1.82	11.02

dW

Series 254

De W YELLOW August 28, 1914 Copied Card

MC 5512 R Cor. Bor. (Ery) alt. corr. +.11

		Sel.	Scr	Curve	Magn.	Pg		
	j	4.0 4.1	w.s ~~5.2~~	+3.37	7.47	8.9	-1.70	7.20
Off plate	j'			.	.			
	g	4.9 5.0 4.90''	4.8	3.02	7.92			
	h		5.0	2.98	7.98			
	k		5.2	2.89	8.09			
	l		6.2	2.50	8.70			
	m		6.7	2.32	9.02			
	n		7.0	2.25	9.25			
	o		8.4	1.94	10.34			
	p		7.9	2.04	9.94			
	q		8.1	2.01	10.11			
	r		8.5	1.93	10.43			
	s		9.0	1.86	10.86			
	t		8.7	1.90	10.60			
	u		n.s	.	.			
	w		f	.	.			
	x		f	.	.			
	y		f	.	.			
	z		f	.	.			
	α		9.8	1.73	11.53			
	β		f	.				
	γ		n.s	.				

deW

Series 254

SeW YELLOW 28. August 1914 Card.

MC 5513 N Cor. Eryth. alt. corr. +.12

	Se1	Se2	Curve	Magn	PC	Curve	Magn	
1	Bn				7.3			p
2	3.3 3.4		+3.71	7.11	8.5	−1.70	6.80	q
3		6.7	2.33	9.03				r
4		7.6	2.11	9.71				s
5		8.9	1.87	10.77				t
6		9.0	1.86	10.86				
7		9.9	1.73	11.63				
8								
9								
10								
11								
12								
13								
14								
15								
a	4.2 4.3		3.28	7.58				
b	5.6 5.7		2.69	8.39				
c		6.2	2.51	8.71				
d		7.2	2.21	9.41				
e		7.2	2.21	9.41				
f		8.7	1.90	10.60				
g		8.4	1.95	10.35				
h		8.8	1.89	10.69				
k		8.8	1.89	10.69				
l		9.8	1.74	11.54				
m		9.7	1.76	11.46				
n		F						
o								

Copied

ChW

Series 254

DeW YELLOW August 28, 1914 copied Card.

MC 5514 R Draconis Eryth. Alt. corr. +.10

				Curve	Magn.	pc	Curve	Magn
a	B			.		8.3	−1.70	6.60
b	3.8	3.9		+3.45	7.35	8.7	−1.70	7.00
c	3.9	4.0		3.41	7.41	8.9	−1.70	7.20
d	4.0	4.1		3.36	7.46	9.1	−1.70	7.40
e			4.9	3.01	7.91			
f			5.7	2.69	8.39			
g			6.0	2.57	8.57			
h			7.0	2.26	9.26			
k			7.2	2.21	9.41			
l			8.0	2.03	10.03			
m			8.3	1.97	10.27			
n			8.5	1.93	10.43			
n'			8.7	1.90	10.60			
o			9.1	1.84	10.94			
o'			n.s.	.	.			

deW

Davis 254 ~~266~~

DeW YELLOW Aug 28, 1914

11. 10 ~~00~~ HC 5515 Pole eryth

				PC
Hazy	5			8.2
	6	3.1 3.2		8.7
	7	3.9 4.0		9.0
	8	5.1 5.2 5.10 12	5.0	
	9		6.3	
	10		6.5	
	11		7.1	
	12		7.5	
	13		8.0	
	14		8.3	
	15		8.7	
	16		9.0	
	17		9.3	
	18		9.9	
	88 2		5.1	
	90		6.3	
	105		5.2	
	115		6.7	
	4p		7.7	
	5p		7.8	
	2r	2.0 2.1		8.1
	3r	4.1 4.2		
	4r		5.3	
	5r		5.9	
	6r		6.9	
	7r		7.7	
	8r		8.3	
	9r		8.7	
	10r		9.5	
	11r			

Series 266

DeW YELLOW Sept 11, 1914

10 70 MB 5651 Pole. Eryth.

		Se1			Se2	Mc5656 P.172	Mean		Diff.	Pc P.172 (MC 5656)		Mean		Diff.	Curve	Magn.
	5	B								8.0	7.7	7.85	21	−1.42	−1.33	6.52
Curve Magn.	6	B								8.3	8.1	8.20	11	1.22	−1.29	6.91
. .	7	3.0	3.1			2.9	3.00	11	(+4.46)	8.7	8.5	8.60	11	1.14	−1.30	7.30
+3.25 8.03	8	4.9	$\overset{5}{4.0}$	4.85 ^{21}	4.7	4.7	4.78	07 08	3.25	9.5	9.5	9.50	00	1.47	−1.39	8.11
										Curve	Magn.					
→	9	5.6	5.7	5.70 ^{00}	5.7	5.7	5.70	000	3.04	2.94	8.64					
	10				6.0	5.9	5.95	01	2.93	2.87	8.82	ch W				
	11				6.7	6.6	6.65	$\overset{1.0}{01}$	2.71	2.68	9.33					
	12				7.0	7.0	7.00	00	2.58	2.59	9.59					
	13				7.6	7.5	7.55	01	2.53	2.49	10.04					
	14				7.9	7.9	7.90	00	2.34	2.44	10.34					
	15				8.3	8.2	8.25	10	2.39	2.41	10.66					
	16				8.6	8.5	8.55	01	2.39	2.39	10.94					
	17				8.7	8.7	8.70	00	2.34	2.39	11.09					
	18				9.1	9.2	9.15	10	2.41	2.39	11.54					
	19				9.5	9.7	9.60	11	2.34	2.40	12.00					
88	2	5.2	5.3	5.20 ^{11}	5.1	4.9	5.05	15 15 ch W	3.16	8.21						
	90				6.7	6.0	6.10	11	2.83	8.93						
	105				5.1	5.0	5.05	10	3.16	8.21						
	115				6.3	6.3	6.30	00	2.77	9.07						
	4p				7.1	6.9	7.00	11	2.59	9.59						
	5p					7.1	7.10	2	2.56	9.66	Curve Magn					
	2n	B				B.	.	.	.	8.0	7.8	7.90	11		−1.32	6.58
	3n	3.3	3.4			3.3	3.35	01	.	8.7	8.7	8.70	00		−1.30	7.40
	4n	4.7	4.8			4.9	4.85	01	3.22	$\overset{8.07}{9.5}$	.	9.50	2 .		−1.39	8.11
	5n	5.3	5.4	$\overset{5.}{5.35}$ ^{01}	5.3	5.2	5.28	07 08	3.06	8.34						
	6n				6.3	6.1	6.20	11	2.80	9.00						
	7n				7.1	7.1	7.10	00	2.56	9.66						
	8n				8.0	8.2	8.10	11	2.42	10.52						
	9n				8.7	8.4	8.40	00	2.40	10.80						
	10n				9.5	9.4	9.45	10	2.40	11.85						
	11n				9.6	7	.	.	.	.	ch W					

Series 266

Se W YELLOW Sept 11, 1914 Copied

Card.

MC 5652 by Eryth.

alt. corr. +.07

		Se1	Se2	Curve	Magn.		Curve	Magn.
On edge of Pl.	1	B		.	.	73	.	.
	2	3.0? 3.1		.	.	87	-1.30	7.40
	3	4.3 (4.4) 4.1 4.2 4.30 (1.1)		.	.	9.1	-1.34	7.76
	4	3.9 4.0		.	.	8.9	-1.32	7.58
	5	3.9 4.0	~~5.2~~	.	.	9.0	-1.33	7.67
	6		5.0	3.18	8.18			
	7		5.2	3.10	8.30			
	8		6.5	2.71	9.21			
	9		6.9	2.61	9.51			
	10		6.8	2.62	9.42			
	11		5.9	2.88	8.78			
	12		7.1	2.56	9.66			
	13		8.0	2.43	10.43			
	14		7.9	2.44	10.34			
	15		8.1	2.42	10.52			
	16		8.2	2.41	10.61			
	17		8.6	2.39	10.99			
	18		8.5	2.40	10.90			
	19		9.20 .00 9.2 9.2 9.85 1.0	2.39	11.59			
	20		9.9 9.8 9.85 .01	.	.			
	21		9.8 9.9	.	.			

ch W

Series 266

DeW YELLOW Sept 11, 1914 Copied

Card.

	MC 5653		D8 Erythr.	Curve	Magn.	Pe	alt. -.10 Curve	Magn.
Near edge	1	2.8 2.9		.	.	8.7	-1.30	7.40
" "	2	3.1 3.2		.	.	8.9	-1.32	7.58
	3	3.2 3.3		.	.	8.7	-1.30	7.40
	4	4.0 4.1		.	.	8.8	-1.31	7.49
	5	4.6 4.7		+3.27	7.97			
	6	4.8 4.9		3.21	8.11			
	7		5.1	3.14	8.24			
	8	4.3 4.4		.	.			
	9	4.8 4.9 4.85 10	4.8	3.22	8.07			
	10		5.8	2.91	8.71			
	11		6.2	2.80	9.00			
	12		5.7	2.94	8.64			
	13	4.9 5.0 4.95 01	4.9	3.19	8.14			
	14		7.3	2.52	9.82			
	15		7.5	2.50	10.00			
	16		7.5	2.50	10.00			
	17		7.8	2.46	10.26			
	18		8.6	2.39	10.99			
	19		8.1	2.42	10.52			
	20		8.2	2.41	10.61			
	21		8.2	2.41	10.61			
	22		9.3	2.39	11.69			
	23		8.5	2.40	10.90			
	24		8.3	2.41	10.71			
	25		ns?	.	.			
	26		10.0?	.	.			

ch W

Series 266

SeW YELLOW Sept 11, 1914 Copied Card.

MC 5654 R Lon. Bor Emyth. alt. corr. +.11

		Se1	Se2	Curve magn.		PC	Curve Magn.	
	a							
	b							
	c							
	d							
	e							
	f	3.1 3.0 2.8 2.9 3.00 1!		.	.	8.5	-1.29	7.21
Off Plate	f'			.	.	-	.	.
Sm. not circular	h	4.0 4.1		.	.	9.0	-1.33	7.67
" " "	g	4.0 4.1		.	.	9.2	-1.36	7.84
	k	4.4 4.5		ε 3.34	7.84	9.7	.	.
" " "	l		5.3	3.07	8.37			
" " "	m		5.8	2.91	8.71			
	n		6.1	2.83	8.93			
	p		7.2	2.56	9.76			
	q		7.5	2.50	10.00			
	o		7.8	2.46	10.26			
	r		8.0	2.43	10.43			
	s		8.4	2.40	10.80			
	t		8.7	2.39	11.09			
	u		9.5	2.40	11.90			
	w		9.8	.	.			
	x		9.9	.	.			
	y		9.9	.	.			
	z		f	.	.			
	α		9.8	.	.			
	β		9.9	.	.			
	γ		n.s	.	.			

ch W

Seq. not in centre of plate. No good blue plate in region.

Series 266

SeW YELLOW Sept. 11, 1914 Copied Card

MC 5655 W Cor. Bor. Ery th. alt. corr. +.12

	Sc1	Sc2	Curve	Magn.	Sc	Curve	Magn.
38 3.9 a	4.0 4.1 4.00	11 00	.	.	9.0	−1.33	7.67
b	4.2 4.3		.	.	9.3	−1.37	7.93
c		5.8	2.91	8.71			
d		6.8	2.63	9.43			
e		6.9	2.61	9.51			
f		8.2	2.41	10.61			
g		8.1	2.42	10.52			
h		8.6	2.39	10.99			
l		8.4	2.40	10.80			
m		9.70 00 9.7 9.7	2.41	12.11			
n		9.85 10 9.9 9.8	.	.			
o		F	.	.			
p		ns	.	.			
q		ns	.	.			
r		ns	.	.			
s		ns	.	.			
t		ns	.	.			
1	B	-	.	.	7.1	.	.
2	2.9 3.0		.	.	8.1	−1.30	6.80
3		6.2	+2.80	9.00			
4		7.1	2.57	9.67			
5		8.7	2.39	11.09			
6		8.9	2.39	11.29			
7		9.60 11 9.5 ~~9.7~~	2.40	12.00			
8		F	.	.			

chW

Series 266

SeW YELLOW Sept 11, 1914

MC 5656 Pole-Eryth

		Se 1	Se 2	Pc
	5	B		7.7
	6	B		8.1
	7	2.8 2.9		8.5
	8	4.6 4.7		9.5
	9		5.7	
	10		5.9	
	11		6.6	
	12		7.0	
	13		7.5	
	14		7.9	
	15		8.2	
	16		8.5	
	17		8.7	
	18		9.2	
	19		9.7	
	4p		6.9	
	5p		7.1	
88	2	4.8 4.9		
	90		6.0	
	105		5.0	
	115		6.3	
	2n	B		7.8
	3n	3.2 3.3		8.7
	4n		4.9	
	5n		5.2	
	6n		6.1	
12 40	7n		7.1	
	8n		8.2	
Interrupted	9n		8.4	
20 minutes.	10n		8.7	
	11n		[illegible]	

Series 302

Sc U Oct. 6, 1914

10 00 Mc 6044 Pole.

Diff		Sc 1	Sc 2		me 6049 p.177	me 6055 p.183	Mean		pc		me 6049 p.177	me 6055 p.183	Mean		Diff.
	5								5.5		5.65	6.0	5.72	2 1 3	+0.77
	6								6.7		6.3	6.3	6.27	1 0 0	0.84
	8								7.3		7.3	7.4	7.33	0 0 1	0.90
	9								7.8		7.9	8.0	7.90	1 0 1	0.93
+4.79	10	4.3			4.2	4.2	4.23	1 0 0	8.0		8.2	8.20	8.13	1 1 1	0.89
4.92	11	4.7			4.6	4.6	4.63	1 0 0	8.7		8.7	8.95	8.78	1 1 3	0.77
4.84	12	5.1	5.0	1 0 5.00	4.95	5.05	5.02	1 0 0	9.15 1 0 9.1	9.2	9.10	9.45	9.23	08 13 22 ~~0 1 ~~	0.63
4.97	13		5.4		5.3	5.3	5.33	1 0 0	9.50 00 9.5	9.5	9.60	9.90	9.67	17 07 23	0.63
5.02	14		5.7		5.6	5.6	5.63	1 0 0	9.80 00 9.8	9.8	9.90	~~9.85~~	9.85	05 05 ·	0.80
5.11	15		6.1		5.9	5.9	5.9~~6~~7 ~~6.00~~	1 . ~~2~~ 1 1							
5.17	16		6.4		6.2	6.1	6.23	2 0 1							
5.06	17		6.7		6.5	6.5	6.5~~6~~7	1 1 1							
5.03	18		7.1		7.0	7.0	7.03	1 0 0							
5.12	19		7.3		7.3	7.3	7.30	0 0 0							
5.10	20		7.8		7.5	7.60	7.63	2 1 0							
5.16	23		8.2		8.2	8.15	8.18	~~0 0 1~~ 02 02 03							
4.90	25		9.0		8.95	8.95	8.97	03 02 02							
4.78	26		9.45 01 9.4	9.5	9.50	9.70	9.55	10 05 15							
4.8~~2~~4	27		9.80 00 9.8	9.8	9.85	9.90	9.85	05 00 05							

ch W

Series 302

Sell Oct 6, 1914 Card.

Alt. corr. +.17

MC 6045 17 00 +25 0 ~~Carte du Ciel~~ DM

		Se 1			Se 2	Curve	Magn	P.C.	6.60 11	Curve	Magn.
	01	3.3				.	.	6.5	6.7	+0.87	7.47
	02	4.1				.	.	7.2		0.90	8.10
	03	4.3				+4.80	9.10	7.8		0.90	8.70
	04	4.6				4.86	9.46	8.6	:	0.82	9.42
	05	4.8	4.75	01	4.7	4.89	9.64	8.7		0.81	9.51
	06	4.8	4.80	00	4.8	4.90	9.70	8.7		0.81	9.51
	07				5.2	4.96	10.16	9.15 10 9.1 .	9.2	0.74	9.89
	08				5.7	5.02	10.72	9.80 00 9.8	9.8	0.68	10.48
	09				6.3	5.08	11.38				
	010				6.8	5.10	11.90			ch W	
	011				7.0	5.10	12.10				
	012				7.2	5.11	12.31				
	013				7.5	5.11	12.61				
11 =	014				7.7	5.10	12.80				
13 =	015				8.0	5.10	13.10				
15 =	016				8.2	5.08	13.28				
	017				8.95 10 8.9 9.0	4.97	13.92				
	018				9.45 01 9.4 9.5	4.86	14.31				
	019				9.85 01 9.8 9.9	4.79	14.64				
	020				9.80 00 9.8 9.8	4.80	14.60				

ch W

1913phaeproj.995I

Series 302

Dell Oct. 6, 1914 Copied Card.

MC 6046 Out of focus. Too poor

MC 6047 110 K PC alt. corr. +.05

	Sc1			Sc2		Curve	Magn.	PC				Curve	Magn.
1	5.0	5.00	00	5.0		+4.92	9.92	9.0	9.1	9.05	01	+0.76	9.81
2				5.2		4.97	10.17	9.3	9.3	9.30	00	0.72	10.02
3				5.8		5.03	10.83						
4				5.95 10 5.9	6.0	5.05	11.00					ch W	
5				6.6		5.09	11.69						
6				7.1		5.11	12.21						
7				7.7		5.11	12.81						
8				8.4		5.05	13.45						
9				8.6		5.02	13.62						
10				8.7		5.00	13.70						
11				9.0		4.96	13.96						
12				9.40 11 9.3	9.5	4.88	14.28						
13				9.80 00 9.8	9.8	4.80	14.60						
14				9.80 00 9.8	9.8	4.80	14.60						
15				9.90 00 9.9	9.9	4.78	14.68						
16				ns									
							ch W						

Images poor

Series 302

Dell

Oct 6, 1914 Copied

MC 6048 19h00 + 39.5 Carte du Ciel

	Sc1	Sc2	Curve	Magn.	Pc	Curve	Magn.
1			Alt. corr. + 0.22		5.2 5.1 5.15 0.1		
2					6.1	+0.82	6.92
3					6.6	0.87	7.47
4					6.9 7.0 6.95 1.0	0.90	7.85
5					7.2	0.90	8.10
6					7.7	0.90	8.60
7					8.3	0.86	9.16
8					8.5	0.83	9.33
9					9.0 9.1 9.05 0.1	0.75	9.80
10					9.7 9.8 9.75 1.0	0.68	10.43
11					9.9 9.9 9.90 0.0	0.68	10.58
12		6.1	+5.07	11.17			
13		6.3	5.08	11.38			
14		6.3	5.08	11.38			
15		6.7	5.10	11.80			
16		6.7	5.10	11.80			
17		7.75 1.0 7.7 7.8	5.11	12.86			
18		8.1	5.09	13.19			
19		8.75 1.0 8.7 8.8	5.00	13.75			
20		9.60 1.1 9.5 9.7	4.84	14.44			

ch W

ch W

Series 302

Bell Oct. 6, 1914

	Me 6049 Pole			
	Se1	Se2		Pc
5				5.65 10 5.7 5.6
6				6.3
8				7.3
9				7.9
10	4.7			8.2
11	4.6			8.7
12	4.9	5.0	10 4.95	9.10 00 9.1 9.1
13		5.3		9.60 11 9.5 9.7
14		5.6		9.90 00 9.9 9.9
15		5.9		
16		6.2		
17		6.5		
18		7.0		
19		7.3		
20		7.5		
23		8.2		
25		8.95 10 8.9 9.0		
26		9.50 00 9.5 9.5		
27		9.85 10 9.9 9.8		

Series 302

Bell Oct 6, 1914 Copied Card

MC 6050 87 K. Alt. corr. +.16

	Se 1			Se 2		Curve	Magn.	pe				Curve	Magn.
1	4.2					+4.78	8.98	7.9	8.0	7.95	1.0	+0.89	8.84
2	4.3					4.80	9.10	8.2				0.86	9.06
3	5.3					4.98	10.28	9.7	9.5	9.60	1.1	0.70	10.30
4	5.7	5.77	1.1	5.9	5.7	5.03	10.80						
5	5.8	5.95	-.01	5.7		5.03	10.78					ch W	
6				6.1		5.07	11.17						
7				6.6		5.09	11.69						
8				7.0		5.10	12.10						
9				7.3		5.11	12.41						
10				7.7		5.10	12.80						
11				7.9		5.10	13.00						
12				8.5		5.04	13.54						
13				8.7		5.00	13.70						
14				9.2?		4.91?	14.11?						
15				9.5?		4.86?	14.36?						

ch W

Uncertain about the identification of 14 + 15 (Taken fr MC 3435)
Original plate having seq. has been sent away-

Series 302

Ball Oct-6, 1914 Card

MC 6051 Nova Aquilae No 1 Ref seq. alt. corr. +0.5

	Sc1		Sc2		Curve	Magn.	PC		Curve	Magn.
1	3.3						6.7		+0.88	7.58
2	4.2				+4.77	8.97	7.9		0.89	8.79
3	4.6	4.60 00	4.6		4.85	9.45	8.2		0.86	9.06
4	4.8	4.75 01	4.7		4.88	9.63	8.5		0.83	9.33
5			5.1		4.94	10.04	9.05 01 9.0	9.1	0.75	9.80
6			5.3		4.98	10.28	9.15 01 9.2	9.1	0.74	9.89
7			5.7		5.02	10.72	9.85 10 9.9	9.8	0.68	10.53
8			6.0		5.06	11.06				
9			6.40 11 6.3	6.5	5.08	11.48				ch W
10			6.8		5.10	11.90				
11			7.2		5.11	12.31				
12			7.6		5.11	12.71				
13			8.1		5.09	13.19				
14			8.3		5.07	13.37				
15			8.3		5.07	13.37				
16			8.7		5.00	13.70				
17			9.10 00 9.1	9.1	4.94	14.04				
18			9.15 01 9.2	9.1	4.92	14.07				
19			9.40 11 9.5	9.3	4.88	14.28				
20			9.75 01 9.8	9.7	4.81	14.56				

ch W

Images poor.

Var. prop too near edge to meas.

Series 302

Dell Oct 6, 1914 copied Card

MC 6652 R Cygni alt. corr. + .22

		Se1	Se2	Curve	Magn.	PC	Curve	Magn.
Off plate.	a			.	.		.	.
	b	B		.	.	5.2	.	.
	c	3.6		.	.	6.3	+0.84	7.14
	d	3.3		.	.	6.3	0.84	7.14
near edge	e			.	.	6.1	0.82	6.92
	f	4.1		.	.	7.2	0.90	8.10
	g	3.8		.	.	6.7	0.88	7.58
	h	4.1		.	.	7.4	0.90	8.30
	k	4.0		.	.	7.2	0.90	8.10
	l	4.3		+4.80	9.10	8.0	0.89	8.89
	m	4.7		4.88	9.58	8.7	0.81	9.51
	n	5.0 5.00 .00	5.0	4.92	9.92	9.80 .00 9.8 9.8	0.68	10.48
	o		5.1	4.94	10.04	9.75 .01 9.8 9.7	0.68	10.43
	p		5.0	4.92	9.92	9.80 .00 9.8 9.8	0.68	10.48
	q		5.9	5.04	10.94			
	r		5.3	4.98	10.28	9.70 .00 9.7 9.7	0.69	10.39
	s		6.0	5.05	11.05			
	t		6.8	5.10	11.90			ChW
	u		7.1	5.11	12.21			
	w		6.7	5.10	11.80			
	x		7.9	5.10	13.00			
	y		8.45 .12 8.3 8.6	5.04	13.49			
	z		9.10 .00 9.1 9.1	4.94	14.04			
	α		9.60 .11 9.5 9.7	4.84	14.44			

ChW

Series 302

Sell

Oct-6, 1914

Card.

MC 6058 Eros Comp Stars. Alt. corr. −.28 19 50−17.5

	Sc1		Sc2	Curve	Magn.	PC				Curve	Magn.
1	4.0					7.7				+0.90	8.60
2	4.3			+4.80	9.10	8.1				0.87	8.97
3	4.7	4.70 00	4.7	4.88	9.58	9.1	8.9	9.00	11	0.76	9.76
4			4.8	4.90	9.70	9.0	9.1	9.05	01	0.75	9.80
5			5.3	4.98	10.28	9.2	9.2	9.20	00	0.73	9.93
6			5.9	5.04	10.94	9.9	9.9	9.90	00	0.68	10.58
7			6.20 11 6.1 6.3	5.07	11.27						
8			6.3	5.08	11.38						ch W
9			6.7	5.10	11.80						
10			7.1	5.11	12.21						
11			7.6	5.11	12.71						
12			8.1	5.09	13.19						
13			8.3	5.06	13.36						
14			8.65 01 8.6 8.7	5.01	13.66						
15			9.05 10 9.1 9.0	4. 8.95	14.00						
16			9.20 00 9.2 9.2	4. 8.91	14.11						
17			9.75 10 9.7 9.8	4.81	14.56						
18			ns								
19			ns		ch W						
20			ns								

Series 302

Sell Oct. 6, 1914 Copied Card.

MC 6054 – X Cygni – ~~SW Cygni~~ not meas. Alt. corr. +.21

		Sc1	Sc2	Curve	Magn.	PC	Curve	Magn.
Off plate	a			.	.		.	.
" "	b			.	.		.	.
	c	B		.	.	4.6	.	.
" "	d			.	.		.	.
" "	e			.	.		.	.
	f	B		.	.	4.9	.	.
	g	B		.	.	5.3	.	.
	h	B		.	.	5.3	.	.
	k	3.3		.	.	6.2	+0.83	7.03
	l	B		.	.	5.3	.	..
Near edge	m	3.1		.	.	6.1	0.82	6.92
	n	B		.	.	5.9	0.81	6.71
	o	3.1		.	.	6.1	0.82	6.92
	p	3.9		.	.	7.5	0.90	8.40
	q	3.2		.	.	6.4	0.84	7.24
	r	3.6		.	.	6.65 2.1 6.8 6.5	0.88	7.53
	s	4.0		.	.	7.3	0.90	8.20
	t	4.1		.	.	7.80 1.1 7.7 7.9	0.90	8.70
	u	4.7		+4.88	9.58	8.5	0.83	9.33
	w	4.2		4.77	8.97	8.1	0.87	8.97
	x		5.1	4.94	10.04	Im sup.	~~0.74~~	.
	y		5.3	4.98	10.28	9.1	0.74	9.84
	z	4.8 4.75 0.1	4.7	4.89	9.64	8.3	0.85	9.15
	α		6.1	5.06	11.16			
	β		6.3	5.08	11.38			
	γ		6.1	5.06	11.16			
	δ		6.8	5.06	11.16			
	ξ		6.3	5.08	11.38			

chW

		Curve	Magn.
ε	6.8	5.10	11.90
θ	7.1	5.11	12.21
η	7.2	5.11	12.31
ν	8.00 0.1 8.0 8.1	5.10	13.10
κ	8.60 1.1 8.5 8.7	5.02	13.62
λ	9.20 1.1 9.1 9.3	4.91	14.11

chW

Series 302

Bell Oct 6, 1914

MC 6055 Pole

	Sc 1	Sc 2		PC	
5				6.0	
6				6.3	
8				7.4	
9				8.0	
				8.20	1.1
10	4.7			8.1	8.3
				8.95	1.0
11	4.6			8.9	9.0
			1.0	9.45	1.0
12	5.1	5.0	5.05	9.5	9.4
				9.90	0.0
13		5.3		9.9	9.9
14		5.6			
15		5.9			
16		6.1			
17		6.5			
18		7.0			
19		7.3			
		7.60	1.1		
20		7.5	7.7		
		8.15	0.1		
23		8.2	8.1		
		8.95	1.0		
25		8.9	9.0		
		9.70	0.0		
26		9.7	9.7		
		9.90	0.0		
27		9.9	9.9		
28		7			

12 35

Series 337

ScV

Dec 4, 1914

9 45 MC 6462 Sole.

	B			C	Me 6467 P.187	Mean		Diff.	Sc C ~~37~~			Me 6467 P.187	Mean		Diff.
5									W.S ~~4.2~~ 4.1 4.1	4.10	00	4.00	4.05	05 05	+2.44
6									W.S ~~4.2~~ 5 5.1	5.15	01	4.95	5.05	10 10	2.06
8									6.1 6.2	6.15	10	6.20	6.18	03 02	2.05
9									6.8 6.8:	6.80	00	6.75	6.78	02 03	2.05
10	2.4 2.5				2.5	2.50	00	+6.52	7.1 7.1	7.10	00	7.00	7.05	05 05	1.97
11	3.1 3.2				3.1	3.15	01	6.40	7.4			7.6	7.50	1 1	2.05
12	3.6 3.7				3.5	3.60	11	6.26	7.8			8.1	7.95	2 1 ~~15 15~~	1.91
13	3.8 3.9	3.95	10	4.0	4.05	4.00	05 05	6.30	8.2			8.5	8.35	2 1	1.95
14	4.1 4.2	4.25	01	4.3	4.25	4.25	00 00	6.40	8.7			9.0	8.85	1 2	1.80
15				4.7	4.8	4.75	10	6.33	9.0			9.3	9.15	2 1	1.93
16				5.2	5.1	5.15	01	6.25	9.4			9.8	9.60	2 2	1.80
17				5.5	5.3	5.40	11	6.23							
18				6.1	6.1	6.10	00	5.96							ch W
19				6.3	6.3	6.30	00	6.12							
20				6.6	6.5	6.55	01	6.18							
23				7.2	7.3	7.25	01	6.09							
25				8.0	7.9	7.95	01	5.93							

26	8.40 00 8.4	8.4	8.50	8.45	05 05	5.88
27	8.85 01 8.8	8.9	8.95	8.90	05 05	5.79
28	9.25 01 9.2	9.3	9.30	9.28	03 02	5.83
29	9.70 00 9.7	9.7	9.70	9.70	00 00	5.96
30	9.90 00 9.9	9.9	9.95	9.92	02 03	6.12

ch W

Series 337

Sc V Dec 4, 1914 copied Card.

MC 6463 See note on cover.

" 6464 to 12 Alt corr. +17

		B	a	c		Curve	Magn.		C	Curve	Magn.			Curve	Magn.
	1		1.2	1.0		.	.		4.2 4.20 00 42	+2.30	6.50	29	8.40 11 8.3 8.5	5.86	14.26
	2	1.0	1.1			.	.		4.40 11 43 4.5	2.26	6.66	30	8.95 10 8.9 9.0	5.83	14.78
	3		2.0	1.8		.	.	wr. u.	4.75 10 4 ~~3.7~~ 4.8	2.20	6.95	31	9.40 11 9.3 9.5	5.89	1$\overset{5}{\cancel{4}}$.29
	4	1.3	1.4			.	.		5.20 00 52 5.2	2.13	7.33	32	9.70 00 9.7 9.7	5.96	15.66
	5	1.6	1.7			.	.		5.65 01 56 5.7	2.08	7.73	33	9.85 01 9.8 9.9	6.01	15.86
	6	1.3	1.4			.	.		6.05 10 61 6.0	2.04	8.09	34			
	7	1.7	1.8			.	.		6.20 11 6.1 6.3	2.04	8.24				ch W
	8	2.0	2.1			.	.		6.7	2.02	8.72				
	9	2.2	2.3			.	.		6.9	2.01	8.91				
	10	2.3	2.4			6.47	8.87		7.2	2.00	9.20				
2.4 25	11	2.3	2.4	2.45 10		6.46	8.91		7.1	2.00	9.10				
	12	2.9	3.0			6.42	9.42		7.7	1.98	9.68				
	13	3.1	3.2			6.42	9.62		7.8	1.97	9.77				
	14	3.3	3.4			6.40	9.80		8.1	1.9$\overset{5}{4}$	10.05				
	15	3.3	3.4			6.40	9.80		8.0	1.96	9.96				
	16	3.9	4.0	4.10 11	4.2	6.34	10.44		8.9	1.88	10.78				
	17	4.3	4.4	4.35 01	4.3	6.32	10.67		9.1	1.86	10.96				
	17a				5.0	6.26	11.26		9.5	1.82	11.32				
	18				5.2	6.24	11.44		9.7	1.79	11.49				
Dbl?	19														
	19a				5.7	6.20	11.90								
	20				6.0	6.17	12.17				chW				
	21				6.1	6.16	12.26								
	21a				6.5	6.11	12.61								
	22				7.1	6.02	13.12								
	23				7.2	6.01	13.21								
	24				7.3	6.00	13.30								
	25				7.3	6.00	13.30								
	26				7.8	5.92	13.72								
	27				8.1	5.88	13.98								
	28				7.9	5.91	13.81								

Series 337

Sev

Dec 4, 1914

Card.

Pe

Mc 6465 Eros 23 37 + 24.4 Alt. Corr. +.20

	B			C		Curve	Magn.	C			Curve	Magn.
1	2.2	2.3						6.3	6.3	6.30 00	+2.04	8.34
2	2.7	2.8				+6.$\overset{4}{9}$4	9.$\overset{3}{9}$4	7.0	6.9	6.95 01	2.00	8.95
3	2.9	3.0				6.$\overset{4}{9}$3	9.$\overset{4}{9}$3	7.1	7.2	7.15 10	2.00	9.15
4	2.9	3.0				6.$\overset{4}{9}$3	9.$\overset{4}{9}$3	7.3	7.3	7.30 00	1.99	9.29
5	3.3	3.4				6.$\overset{4}{9}$0	$\overset{9}{\cancel{10}}$.80	8.1	8.2	8.15 10	1.94	10.09
6	3.9	4.0	4.00 00	4.0		6.$\overset{3}{8}$5	10.$\overset{3}{8}$5	8.7			1.90	10.60
7	4.1	4.2	4.20 00	4.2		6.$\overset{3}{8}$3	10.53 ~~11.03~~	8.9			1.88	10.78
8				4.3		6.$\overset{3}{8}$2	10.62	9.1			1.86	10.96
9				5.2		6.$\overset{2}{7}$5	11.$\overset{4}{9}$5	9.7			1.80	11.50
10				6.0		6.17	12.17					
11				6.1		6.16	12.26					chW
12				6.7		6.09	12.79					
13				6.9		6.06	12.96					
14				7.1		6.03	13.13					
15				7.5		5.97	13.47					
16			7.85 01	7.8	7.9	5.91	13.76					
17			8.25 10	8.3	8.2	5.87	14.12					
18			8.60 11	8.5	8.7	5.84	14.44					
19			8.95 10	8.9	9.0	5.83	14.78					
20			9.40 11	9.5	9.3	5.89	15.29					

chW

Series 337

SeV

Dec 4, 1914

MC 6466 "Do not meas" (See cover)

" 6467 Pole

	B	C	PC C
5			4.0 4.0 4.00 00
6			4.9 5.0 4.95 10
8			6.2 6.2 6.20 00
9			6.7 6.8 6.75 10
10	2.4 2.5		7.0 7.0 7.00 00
11	3.0 3.1		7.6
12	3.4 3.5		8.1
13	3.9 4.0 4.05 01	4.1	8.5
14	4.1 4.2 4.25 01	4.3	9.0
15		4.8	9.3
16		5.1	9.8
17		5.3	
18		6.1	
19		6.3	
20		6.5	
23		7.3	
25		7.9	
26		8.50 00 8.5 8.5	
27		8.95 010 8.9 9.0	
28		9.30 00 9.3 9.3	
29		9.70 00 9.7 9.7	
30		9.95 10 9.9 10.0	

Series 337

Ser 1 Dec 4, 1914 Card

MC 6468 "Do not meas" (See note on cover)

" 6469 Eros. 0 20 pc + 20.0 Alt. corr. +.19

	B			C	Curve	Magn.	C				Curve	Magn
1	1.8	1.9			.	.	5.9	60	5.95	10	+2.06	8.01
2	2.4	2.5			+6.46	8.96	6.8	6.7	6.75	01	2.02	8.77
3	2.7	2.8			6.44	9.24	7.2	7.3	7.25	01	2.00	9.25
4	3.3	3.4			6.40	9.80	8.2	8.1	8.15	01	1.95	10.10
5	3.9	4.0	4.05 01	4.1	6.34	10.39	9.0	9.1	9.05	01	1.87	10.92
6				4.4	6.31	10.71	9.3				1.84	11.14
7				5.1	6.26	11.36	9.8				1.79	11.59
8				5.7	6.20	11.90						
9				6.3	6.14	12.44						ch W
10				6.3	6.14	12.44						
11				6.9	6.06	12.96						
12				7.2	6.01	13.21						
13				7.7	5.94	13.64						
14				7.7	5.94	13.64						
15				8.0	5.90	13.90						
16				8.05 10 8.1 8.0	5.89	13.94						
17				8.20 00 8.2 8.2	5.88	14.08						
18				8.60 11 8.5 8.7	5.83	14.43						
19				8.95 10 8.9 9.0	5.83	14.78						
20				9.30 00 9.3 9.3	5.86	15.16						

ch W

Series 337

S.V Dec 4, 1914 Copied Card

Mc 6470 Carte 0 0 +46.5 Alt. corr. +.22

	B	c	Curve	Magn.	C	Curve	Magn.
1	1.7 1.8				6.1 6.1 6.10 oo	+2.04	8.14
2	2.3 2.4		+6.47	8.87	7.1 7.0 7.05 io	2.00	9.05
3	2.4 2.5		6.46	8.96	7.3 7.2 7.25 io	2.00	9.25
4	3.2 3.3		6.41	9.71 W.S	8.$\overset{3}{8}$ 8.3 8.30 oo	1.93	10.23
5	3.5 3.6 3.70 ii	3.8	6.38	10.08	9.0 8.9 8.95 oi	1.88	10.83
6	4.1 4.2 4.20 oo	4.2	6.33	10.53	9.3	1.84	11.14
7		5.0	6.26	11.26	9.8	1.78	11.58
8		5.7	6.20	11.90			
9		5.9	6.18	12.08			ch W
10		6.8	6.08	12.88			
11		7.00 io 7.1 7.0	6.03	13.08			
12		7.40 ii 7.3 7.5	5.99	$1\overset{3}{4}$.39			
13		7.7	5.94	13.64			
14		7.9	5.91	13.81			
15		8.1	5.89	13.99			
16		8.50 oo 8.5 8.5	5.84	14.34			
17		8.70 oo 8.7 8.7	5.83	14.53			
18		8.85 io 8.9 8.8	5.82	14.67			
19		9.30 oo 9.3 9.3	5.86	15.16			
20		9.60 ii 9.5 9.7	5.93	15.53			

11 50 ch W

Series - 383

Sett ✓

Dec 28, 1914

10 20

	MC 7022 Pole SeB	SeL	mc 7027 P.195	Mean		Diff.	pc Se			mc 7027 P.195	Mean		Diff.
5							4.7 4.7	4.70	00	4.50	4.60	10 10	+1.89
6							4.9 5.0	4.95	10	5.10	5.02	07 08	2.09
8							5.9 6.0	5.95	10	6.10	6.02	07 08	2.21
9							6.7 6.7	6.70	00	6.75	6.72	02 03	2.11
10	2.4 2.5		2.6	2.55	10	+6.47	6.8 6.8	6.80	00	6.85	6.82	02 03	2.20
11	2.8 2.9		3.0	2.95	10	6.60	7.2			7.2	7.20	00	2.35
12	3.1 3.2		3.2	3.20	00	6.66	7.7			7.7	7.70	00	2.16
13	3.3 3.4		3.5	3.45	01	6.85	8.0			8.1	8.05	01	2.25
14	3.5 3.6	3.65 01 3.7	3.7	3.68	03 02	6.97	8.3			8.4	8.35	10	2.30
15	3.8 3.9	3.95 10 4.0	4.1	4.02	07 08	7.06	8.7			8.8	8.75	10	2.33
16		4.3	4.5	4.40	11	7.00	9.0			9.1	9.05	01	2.35
17		4.7	4.7	4.70	00	~~7.13~~ 6.93	9.3			9.5	9.40	11	2.23
18		5.2	5.2	5.20	00	6.86	9.8			9.8	9.80	00	2.26
19		5.4	5.4	5.40	00	7.02							
20		5.7	5.9	5.80	11	6.93							ch W
23		6.5	6.7	6.60	11	6.74							
25		7.2	7.2	7.20	00	6.67							
26		7.70 00 7.7	7.7	7.80		7.75	05 05	6.58					
27		8.15 10 8.1	8.2	8.15		8.15	00 00	6.54					
28		8.70 00 8.7	8.7	8.70		8.70	00 00	6.41					
29		9.35 10 9.3	9.4	9.30		9.32	03 02	6.34					
30		9.80 00 9.8	9.9	9.80		9.80	00 00	6.24					

ch A

Images poor - large + ~~hazy~~

Series 383

Sch V Dec 28, 1914 copied Card.

MC 7023 Carte 4 0 +17.5 alt. corr. +18

	B			C	Curve	Magn.	C				Curve	Magn.
1	2.3	2.4			.	.	7.2	6.2	6.20	00	+2.20	8.40
2	3.3	3.4			+6.80	10.20	7.5	7.3	7.40	11	2.24	9.66
3	3.3	3.4			6.80	10.20	7.5	7.4	7.45	10	2.27	9.72
4	3.3	3.4			6.80	10.20	7.7	7.7	7.70	00	2.28	9.98
5	3.6	3.7			6.90	10.60	8.1	8.1	8.10	00	2.29	10.39
6	3.8	3.9	3.95 10	4.0	6.96	10.91	8.5				2.29	10.79
7	3.8	3.9	3.95 10	4.0	6.96	10.91	9.0				2.29	11.29
8	4.2	4.3	4.30 00	4.3	7.00	11.30	9.0				2.29	11.29
9				5.0	7.00	12.00	9.7				2.27	11.97
10				5.4	6.97	12.37						
11				5.5	6.96	12.46						ChW
12				6.0	6.90	12.90						
13				6.3	6.84	13.14						
14				6.8	6.74	13.54						
15				7.1	6.69	13.79						
16				7.35 01 7.4 7.3	6.66	14.01						
17				7.70 00 7.7 7.7	6.60	14.30						
18				7.95 10 7.9 8.0	6.55	14.50						
19				8.50 00 8.5 8.5	6.46	14.96						
20				8.95 10 8.9 9.0	6.39	15.34						

ChW

Images poor

Series 383

Sev Dec 28, 1914 copied Card

MC 7024 Bache 4 0 +31.5 Alt. corr. +.212

	B			C	Curve	Magn.	C				Curve	Magn.
1	1.7	1.8			.	.	6.7	6.3	6.25	.01	+2.20	8.45
2	2.1	2.2			.	.	6.7	6.5	6.60	.11	2.22	8.82
3	2.7	2.8			+6.56	9.36	7.2	7.3	7.25	.01	2.25	9.50
4	2.9	3.0			6.64	9.64	7.3	7.5	7.40	.11	2.27	9.67
5	3.3	3.4			6.80	10.20	7.9	7.8	7.85	.10	2.28	10.13
6	3.8	3.9	3.95 .10	4.0	6.95	10.90	8.7				2.29	10.99
7				4.3	7.00	11.30	9.0				2.29	11.29
8				4.7	7.01	11.71	9.3				2.28	11.58
9				5.2	6.99	12.19	~~9.7~~					
10				5.5	6.96	12.46						ch W
11				6.1	6.87	12.97						
12				6.3	6.83	1~~2~~3.13						
13				6.2	6.85	1~~4~~3.05						
14				6.7	6.76	13.46						
15				7.1	6.69	13.79						
16				7.60 .11 7.5 7.7	6.61	14.21						
17				7.95 .10 7.9 8.0	6.56	14.51						
18				8.20 .00 8.2 8.2	6.52	14.72						
19				8.85 .01 8.8 8.9	6.40	15.25						
20				9.10 .00 9.1 9.1	6.36	15.46						

ch W

Images poor

Series 383

Se 1 Dec 28, 1914 Copied Card.

MC 7025 B2 + 0 + 45 alt. corr. +.22

	B			C	Curve	Magn.	C			Curve	Magn.				Curve	Magn.
1	B				.	.	5.0	5.1	5.05 .01	+2.04	7.09	30	7.2		+6.68	13.88
2	1.0	1.1			.	.	5.5	5.4	5.45 .10	2.11	7.56	31	7.9		6.56	14.46
3	1.0	1.1			.	.	5.5	5.5	5.50 .00	2.11	7.61	31a	8.20 .1 8.1	8.3	6.52	14.72
4	1.4	1.5			.	.	5.7	5.7	5.70 .00	2.14	7.84	32	8.90 .00 8.9	8.9	6.40	15.30
5	1.6	1.7			.	.	6.1	6.0	6.05 .10	2.18	8.23	33	8.95 .01 9.0	8.9	6.39	15.34
6	1.7	1.8			.	.	6.3			2.20	8.50	34	9.20 .00 9.2	9.2	6.34	15.54
7	1.8	1.9			.	.	6.2			2.20	8.40	35	9.70 .00 9.7	9.7	6.25	15.95
8	1.8	1.9			.	.	6.3			2.20	8.50					
9	2.1	2.2			.	.	6.5			2.21	8.71				dW	
10	2.4	2.5			+6.44	8.94	7.0			2.24	9.24					
11	2.7	2.8			6.56	9.36	7.2			2.25	9.45					
12	2.8	2.9			6.60	9.50	7.2			2.25	9.45					
Defective. 13					.	.	7.2			2.25	9.45					
14	2.8	2.9			6.60	9.50	7.5			2.27	9.77					
15	3.1	3.2			6.72	9.92	7.7			2.28	9.98					
16	3.3	3.4			6.80	10.20	8.0			2.29	10.29					
17	3.3	3.4			6.80	10.20	8.1			2.29	10.39					
18	3.6	3.7			6.91	10.61	8.5			2.29	10.79					
19	3.7	3.8	3.85 .01	3.9	6.93	10.78	8.7			2.29	10.99					
20	4.0	4.1	4.15 .10	4.2	6.99	11.14	9.0			2.28	11.28					
21				4.4	7.01	11.41	?			.	.					
22				4.7	7.01	11.41	9.2			2.28	11.48					
23				4.7	7.01	11.71	9.2			2.28	11.48					
24				5.0 4.95 .10	7.00	12.00										
24a				4.9 5.0	7.00	11.95										
25	5.7			5.7	6.94	12.64					dW					
26				5.9	6.91	12.81										
27	6.0			6.0	6.90	12.90										
28				6.3	6.84	13.14										
29				6.7	6.76	13.46										

magns from

Series 383

D.V Dec 28, 1914 Copied

MC 7026 Cr 4 0 +75.0 alt. corr. +.14

	B			c	Curve	Magn.	c			Curve	Magn.	
1	B				·	·	5.2	5.1	5.15 01	+2.06	7.2130	F
2	B				·	·	5.2	5.2	5.20 00	2.07	7.27	
3	1.0	1.1			·	·	5.1	5.3	5.20 11	2.07	7.27	
4	1.3	1.4			·	·	5.4	5.3	5.35 01	2.09	7.44	
4a	1.2	1.3					5.4	5.4	5.40 00	2.10	7.50	
5a	1.8	1.9			·	·	6.2			2.20	8.40	
6	1.9	2.0			·	·	6.2			2.20	8.20 4	
7	2.0	2.1			·	·	6.2			2.20	8.20 4	
8	2.1	2.2			·	·	6.7			2.22	8.92	
9	2.2	2.3			·	·	6.7			2.22	8.92	
9a	2.4	2.5			+6.44	8.94	7.1			2.24	9.34	
10	3.0	3.1			6.68	9.78	7.3			2.26	9.56	
11	3.1	3.2			6.72	9.92	7.3			2.26	9.56	
12	3.1	3.2			6.72	9.92	7.5			2.27	9.77	
13	3.1	3.2			6.72	9.92	7.7			2.28	9.98	
14	3.4	3.5	3.60 11	3.7	6.87	10.47	8.1			2.29	10.39	
15	3.9	4.0	3.95 01	3.9	6.95	10.90	8.3			2.29	10.59	
16				3.9	6.94	10.84	8.3			2.29	10.59	
17				4.2	7.00	11.20	8.7			2.29	10.99	
18				4.3	7.00	11.30	9.0			2.29	11.29	
19				4.3	7.00	11.30	9.1			2.29	11.39	
20				4.8	7.00	11.80	9.5			2.27	11.77	
21				5.1	6.99	12.09	9.8	9.8	9.80 00	2.26	12.06	
22				5.7	6.94	12.64						
23				5.9	6.91	12.81					chW	
24				6.4	6.81	13.21						
25				6.95 01 7.0 6.9	6.72	13.67						
26				7.15 01 7.2 7.1	6.69	13.84						
27				7.85 10 7.9 7.8	6.57	14.42 [27a]						
27a				7.85 01 7.8 7.9	6.57	14.42 [28]						
28 27b			7.75 10	7.7 7.8	6.59	14.34 [27b]						
29			* ~~9.60 11~~	~~9.5 9.7~~	~~6.26~~	~~15.86~~ chW						

* wrong unit. 8.7 meas. 8.60 curve 6.45 magn. 15.05

Series 383

Se V

Dec 28, 1914

MC 7027 Cole

	B	c	C
5			4.4 4.6 4.50 1 1
6			5.1 5.1 5.10 0 0
8			6.1 6.1 6.10 0 0
9			6.7 6.8 6.75 1 0
10	2.5 2.6		6.8 6.9 6.85 0 1 Br un.- very close
11	2.9 3.0		7.2
12	3.1 3.2		7.7
13	3.4 3.5		8.1
14		3.7	8.4
15		4.1	8.8
16		4.5	9.1
17		4.7	9.5
18		5.2	9.8
19		5.4	
20		5.9	
23		6.7	
25		7.2	
26		7.80 0 0 7.8 7.8	
27		8.15 1 0 8.1 8.2	
28		8.70 0 0 8.7 8.7	
29		9.30 0 0 9.3 9.3	
30		9.80 0 0 9.8 9.8	

1 00

Interrupted 10^{m} —

Series 383

Dev

Jan 7, 1915

10 15 MC 7027 Bd.

	B	c	mc 7033 P.202	Mean		Diff.	c				mc 7033 P.202	Mean		Diff.
5							4.3	4.3	4.30	00	4.25	4.28	02 03	+2.21
6							5.1	5.1	5.10	00	5.00	5.05	05 05	2.06
8							6.1	6.1	6.10	00	6.10	6.10	00 00	2.13
9							6.7	6.7	6.70	00	6.70	6.70	00 00	2.13
10	2.4 2.5		2.5	2.50	00	+6.52	6.9	6.9	6.90	00	6.95	6.92	02 03	2.10
11	2.8 2.9		2.9	2.90	00	6.65	7.3				7.5	7.40	11	2.15
12	3.1 3.2		3.3	3.25	01	6.61	7.7				7.9	7.80	11	2.06
13	3.4 3.5		3.6	3.55	10	6.75	8.0				8.1	8.05	01	2.25
14		3.7	3.80	3.75	05 05	6.90	8.3				8.5	8.40	11	2.25
15		4.1	4.2	4.15	10	6.93	8.7				8.9	8.80	11	2.28
16		4.6	4.7	4.65	01	6.75	9.0				9.1	9.05	01	2.35
17		4.8	5.0	4.90	11	6.73	9.5				9.1	9.30	22	2.33
18		5.2	5.3	5.25	01	6.81					9.7	9.70	2	2.36
19		5.5	5.5	5.50	00	6.92								
20		5.8	5.8	5.80	00	6.93								ch W
23		6.7	6.7	6.70	00	6.64								
25		7.2	7.1	7.15	01	6.72								
26		7.7	7.7	7.70	00	6.63								
27		8.10 00 8.1	8.1	8.05		8.08	02 03	6.61						
28		8.70 00 8.7	8.7	8.50		8.60	10 10	6.51						
29		9.25 10 9.3	9.2	9.25		9.25	00 00	6.41						
30		9.80 00 9.8	9.8	9.75		9.78	02 03	6.26						

ch W

1913phae.proj..995I

Series 383

Se V

Jan 4, 1915

Copied

MC 7028 96 K

Alt. corr. +.06

	B			C	Curve	Magn.	C				Curve	Magn.
1	2.6	2.7			+6.56	9.26	6.8	6.8	6.80	00	+2.10	8.90
2	2.7	2.8			6.59	9.39	7.1	7.1	7.10	00	2.11	9.21
3	2.9	3.0			6.63	9.63	7 8.4	7.4	7.40	00	2.12	9.52
4	3.2	3.3			6.67	9.97	7 8.8	7.7	7.75	01	2.17	9.92
5	3.3	3.4			6.69	10.09	7.9	7.9	7.90	00	2.18	10 9.08
6	3.7	3.8	3.85 01	3.9	6.76	10.61	8.3				2.22	10.52
7				4.7	6.85	11.55	9.1				2.30	11.40
8				5.3	6.83	12.13	9.8					
9				5.8	6.79	12.59						
10				6.2	6.75	12.95						
11				6.75 10 6.7 6.8	6.71	13.46						
12				6.95 10 6.9 7.0	6.69	13.64						
13				7.30 00 7.3 7.3	6.66	13.96						
14				8.10 00 8.1 8.1	6.57	14.67						
15				8.30 00 8.3 8.3	6.54	14.84						

ch W

ch W

Images poor.

Series 383

S.V. Jan 4, 1915 Copied Card.

MC 7029 C D3 alt. corr. -.18

		B	Curve	Magn.	C	Curve	Magn.			Curve	Magn.
	1	Bn	.	.	4.3 4.3 4.30	+2.14	6.44	29	7.2	6.67	13.87
near edge	2	Bn	.	.	4.3 4.3 4.30	2.14	6.44	30	7.7	6.62	14.32
" "	3	Bn,	.	.	4.7 4.4 4.55	2.13	6.68	31	7.9	6.60	14.50
	4	1.3 1.4	ε	.	4.9 4.9 4.90	2.11	7.01	32	8.60 8.7 8.5	6.50	15.10
	5	1.2 1.3	ε	.	5.1 5.1 5.10	2.10	7.20	33	8.70 8.7 9.7	6.48	15.18
near edge	6	1.2 1.3	ε	.	5.3	2.09	7.39	34	8.90 8.9 8.9	6.44	15.34
" "	7	1.3 1.4	ε	.	5.7	2.07	7.77	35	9.10 9.1 9.1	6.40	15.50
	8	1.4 1.5	ε	.	5.7	2.07	7.77	36	9.60 9.5 9.7	6.28	15.88
	9	1.8 1.9	ε	.	6.1	2.08	8.18				
	10	2.2 2.3	+6.47	8.77	6.4	2.09	8.49				ch.W
	11	2.3 2.4	6.50	8.90	6.4	2.09	8.49				
	12	2.3 2.4	6.50	8.90	6.5	2.10	8.60				
	13	2.7 2.8	6.58	9.38	7.1	2.11	9.21				
	14	3.1 3.2	6.64	9.84	7.7	2.15	9.85				
	15	3.1 3.2	6.64	9.84	7.5	2.13	9.63				
	16	3.3 3.4	6.69	10.09	7.9	2.18	10.08				
	17	3.3 3.4	6.69	10.09	[illegible]	.	.				
	18	3.8 3.9 3.95 4.0	6.77	10.72	8.9	2.27	11.17				
	19	3.9	6.76	10.66	9.0	2.28	11.28				
	20	4.2	6.80	11.00	9.1	2.29	11.39				
	21	4.5	6.83	11.33	9.3	2.31	11.61				
	22	5.2	6.84	12.04	9.8	ε	.				
	23	5.1	6.85	11.95	9.7	2.36	12.06				
	24	5.3	6.83	12.13							
	25	6.1	6.77	12.87			ch.W				
	26	6.7	6.71	13.41							
	27	6.9	6.69	13.59							
	28	6.7	6.71	13.41							

Images poor

agn.
3.87
.32
.50
5.10
5.18
5.34
5.50
5.88
hW

Series 383

SeV Jan 4, 1915 Copied Card.

MC 7030 121 K

Alt. corr. -.18

	B			C	Curve	Magn.	C				Curve	Magn.
1	1.0	1.1			.	.	4.7	4.8	4.75	10	+2.12	6.87
2	1.3	1.4			.	.	5.0	5.1	5.05	01	2.10	7.15
3	2.1	2.2			ε +6.44	8.64	6.1	6.0	6.05	17	2.08	8.13
4	3.2	3.3			6.67	9.97	7.7	7.7	7.70	00	2.16	9.86
5	3.3	3.4			6.69	10.09	8.1	8.1	8.10	00	2.20	10.30
6	3.4	3.5			6.70	10.20	8.3				2.22	10.52
7	3.8	~~3.9~~	10 3.95	4.0	6.77	10.72	8.9				2.27	11.17
8				4.3	6.82	11.12	9.3				2.32	11.62
9				4.7	6.84	11.54	9.8				ε	.
10				4.9	6.85	11.75	9.8				ε	.
11				5.3	6.83	12.13						ch W
12				5.8	6.79	12.59						
13				6.2	6.75	12.95						
14				6.7	6.71	13.41						
15				7.3	6.66	13.96						
16				8.40 11 8.3 8.5	6.53	14.93						
17				8.80 00 8.8 8.8	6.46	15.26						
18				9.10 00 9.1 9.1	6.40	15.50						
19				9.20 00 9.2 9.2	6.37	15.57						
~~20~~												

ch W

Images poor

Series 383

Day Jan 4, 1915 Copied Card.

Mc 7031 c Cath 5 v +39.5 abt. corr. +.22

	B.	c	Curve	Magn.	C				Curve	Magn.
1	2.0 2.1		·	·	6.4	6.3	6.35	01	+2.09	8.44
2	2.4 2.5		+6.52	9.02	7.1	7.1	7.10	00	2.11	9.21
3	2.7 2.8		6.59	9.39	7.4	7.5	7.45	01	2.13	9.58
4	3.2 3.3		6.67	9.97	8.2	7.9	8.05	21	2.20	10.25
5	3.3 3.4		6.69	10.09	8.2	8.2	8.20	00	2.22	10.42
6	3.5 3.6		6.72	10.32	8.5				2.24	10.74
7	3.8 3.9 3.90 00	3.9	6.77	W.S. 10.67	8.7 ~~9.0~~				2.25	10.95
8		4.2	6.80	11.00	8.9				2.27	11.17
9		4.3	6.82	11.12	9.0				2.29	11.29
10		4.7	6.86	11.56	9.3				2.31	11.61
11		5 5.7	6.80	12.50						
12		5.9	6.78	12.68						cW
13		6.1	6.77	12.87						
14		6.7	6.72	13.42						
15		6.9	6.70	13.60						
16		7.60 11 7.7 7.5	6.63	14.23						
17		7.70 00 7.7 7.7	6.62	14.32						
18		8.10 00 8.1 8.1	6.57	14.67						
19		8.95 10 8.9 9.0	6.43	15.38						
20		9.70 00 9.7 9.7	6.26	15.96						

cW

Images poor

Series 383

Sc1 Jan 4, 1915 Copied. Card.

Mc 7032 Carte 5 0 + 25.0 Alt. corr. +.19

	B			C	Curve	Magn.	C				Curve	Magn.
1	2.1	2.2			+6.44	8.64	64	65	6.45	.01	+2.10	8.55
2	2.8	2.9			6.61	9.51	77	75	7.60	.11	2.14	9.74
3	3.2	3.3			6.67	9.97	79	80	7.95	.10	2.19	10.14
4	3.4	3.5			6.71	10.21	82	82	8.20	.00	2.21	10.41
5	3.7	3.8	3.85 .01	3.9	6.76	10.61	85	85	8.50	.00	2.23	10.73
6	4.1	4.2	4.25 .01	4.3	6.81	11.06	9.0				2.29	11.29
7				4.8	6.86	11.66	9.8				ε	
8				4.9	6.86	11.76						ch W
9				5.0	6.86	11.86						
10				5.7	6.80	12.50						
11				6.7	6.72	13.42						
12				6.9	6.70	13.60						
13				7.0	6.69	13.69						
14				7.7	6.62	14.32						
15				7.9	6.61	14.51						
16				8.05 .10 81 80	6.58	14.63						
17				8.70 .00 87 87	6.48	15.18						
18				8.95 .10 89 90	6.43	15.38						
19				9.00 .00 90 90	6.42	15.42						
20				9.25 .10 93 92	6.36	15.61						

ch W

Images poor

Series 383

Sct

Jan 4, 1915

Mc 7033 Pole

	B	C		C
5				4.2 4.3 4.25 .01
6				5.0 5.0 5.00 .00
8				6.1 6.1 6.10 .00
9				6.7 6.7 6.70 .00
10	2.4 2.5			6.9 7.0 6.95 .10
11	2.8 2.9			7.5
12	3.2 3.3			7.9
13	3.5 3.6			8.1
14	3.7 3.8 3.80 .00	3.8		8.5
15		4.2		8.9
16		4.7		9.1
17		5.0		9.1
18		5.3		9.7
19		5.5		
20		5.8		
23		6.7		
25		7.1		
26		7.7		
27		8.05 .01 8.0 8.1		
28		8.50 .00 8.5 8.5		
29		9.25 .01 9.2 9.3		
30		9.75 .10 9.7 9.8		

12 14

Very poor series.

Series 378

DeY

Jan 11, 1915

10 10

		6973 Pole B			c	me 6978 P. 208	Mean		Diff.	c				me 6978 P. 208	Mean		Diff.
	5									4.9	4.7	4.80	11	4.70	4.75	06 05	+1.74
	6									5.3	5.5	5.40	11	5.20	5.30	10 10	1.81
	8									6.4	6.3	6.35	01	6.25	6.30	05 05	1.93
	9									7.0	7.0	7.00	00	6.90	6.95	05 05	1.88
	10	2.4	2.5			2.5	2.50	00	+6.52	7.0	7.1	7.05	01	7.10	7.08	03 02	1.94
	11	2.9	3.0			2.9	2.95	01	6.60	7.5				7.5	7.50	00	2.05
Defective?	12	3.3	3.4			3.3	3.35	01	6.51	7.9				7.9	7.90	00	1.96
	13	3.5	3.6		3.	3.6	3.60	00	6.70	8.3				8.3	8.30	00	2.00
	14	3.7	3.8	3.90 11	4.0	3.95	3.92	02 03	6.73	8.7				8.7	8.70	00	1.95
	15				4.3	4.3	4.30	00	6.78	9.0				9.0	9.00	00	2.08
	16				4.7	4.7	4.70	00	6.70	9.3				R	9.30	Q.	2.10
	17				4.9	4.9	4.90	00	6.73	9.3				9.5	9.40	11	2.23
	18				5.6	5.5	5.55	01	6.51	9.8				9.9	9.85	01	2.21
	19				5.9	5.8	5.85	10	6.57								
	20				6.2	6.20	6.20	00 00	6.53								
	23				7.2	7.1	7.15	01	6.19								
	25				8.00 00 8.0	8.0	8.00	8.00	00 00	5.87							
	26				8.50 00 8.5	8.5	8.40	8.45	05 05	5.88							
	27				8.95 10 8.9	9.0	8.90	8.92	03 02	5.77							
	28				9.45 10 9.5	9.4	9.30	9.38	07 08	5.73							
	29				10.00 00 10.0	10.0	9.90	9.95	05 05	5.71							

chW

chW

Images poor.

Series 378

Dec Jan 11, 1915 Copied Card.

MC 6974 Lacte 22 00 +46.5 Alt. corr. +.23

	B.			C				Curve	Magn.	C				Curve	Magn.
1	1.0	1.1						.	.	5.1	5.0	5.05	io	+1.78	6.83
2	2.1	2.2						.	.	6.7	6.5	6.60	i1	1.92	8.52
3	2.5	2.6						+6.53	9.12	7.0	7.0	7.00	oo	1.95	8.95
4	2.9	3.0						6.59	9.59	7.5	7.7	7.60	ii	2.00	9.60
5	3.3	3.4						6.65	10.05	8.0	8.0	8.00	oo	2.03	10.03
6	3.5	3.6						6.67	10.27	8.1			.	2.03	10.13
7	3.9	4.0	4.10 ii	4.2				6.70	10.80	Too close to be im.				~~2~~	.
8				5.1				6.65	11.75	9.7				2.17	11.87
9				5.1				6.65	11.75						
10				5.3				6.62	11.92					ch W	
11				5.7				6.56	12.26						
12				6.0				6.50	12.50						
13				6.7				6.34	13.04						
14				6.9				6.29	13.19						
15				7.0				6.26	13.26						
16				7.3	7.3	7.30	oo	6.18	13.48						
17				7.5	7.5	7.50	oo	6.12	13.62						
18				8.0	7.9	7.95	o1	6.01	13.96						
19				8.3	8.3	8.30	oo	5.92	14.22						
20				9.2	9.4	9.30	ii	5.73	15.03						

ch W

Images very poor

Series 378

Sc V Jan 11, 1915 copied Card.

Mb 6975 Barte 22.00 +65.0 alt. corr. +.19

	B.			c	Curve	Magn.	c			Curve	Magn.
1	1.6	1.7			.	.	6.1	6.1	6.10 00	+1.89	7.99
2	2.2	2.3			.	.	6.7	6.5	6.60 i1	1.92	8.52
3	2.7	2.8			+6.57	9.37	7.5	7.5	7.50 00	2.00	9.50
4	3.2	3.3			6.64	9.94	8.0	7.9	7.95 01	2.03	9.98
5	3.5	3.6			6.67	10.27	8.4	8.3	8.35 01	2.04	10.39
6	3.9	4.0	4.10 i1	4.2	6.70	10.80	8.7			2.07	10.77
7				4.7	6.69	11.39	9.5			2.15	11.65
8				5.1	6.65	11.75	9.8			2.18	11.98
9				5.7	6.56	12.26					
10				5.9	6.52	12.42					ch W
11				6.1	6.48	12.58					
12				6.3	6.43	12.73					
13				7.0	6.26	13.26					
14				7.1	6.24	13.34					
15				7.5	6.13	13.63					
16				8.00 00 8.0 8.0	6.00	14.00					
17				8.15 01 8.2 8.1	5.95	14.10					
18				8.30 00 8.3 8.3	5.91	14.21					
19				8.95 10 8.9 9.0	5.78	14.73					
20				9.80 00 9.8 9.8	5.68	15.48					

ch W

Images poor

Series 378

Sc V — Jan 11, 1915 — Card.

MC 6976 DM Region 22 00 + 10 0 alt. corr. +.14

	B	C	Curve	Magn.	C				Curve	Magn.
1	1.3 1.4		.	.	5.4	5.3	5.35	.1	+1.81	7.16
2	2.2 2.3		.	.	Too close to brim				.	.
3	3.2 3.3		+6.64	9.94	7.7	7.9	7.80	11	2.02	9.82
4	3.5 3.6		6.67	10.27	7.9	8.0	7.95	10	2.03	9.98
5		4.8	6.68	11.48	9.1	9.1	9.10	00	2.12	11.22
6		4.9	6.67	11.57	9.3	9.5	9.40	11	2.14	11.54
7		5.2	6.64	11.84						
8		5.6	6.58	12.18						dW
9		6.0	6.50	12.50						
10		6.1	6.47	12.57						
11		6.40 11 6.3 6.5	6.40	12.80						
12		7.45 10 7.5 7.4	6.14	13.59						
13		8.05 01 8.0 8.1	5.98	14.03						
14		8.70 00 8.7 8.7	5.83	14.53						
15		9.05 01 9.0 9.1	5.76	14.81						
16										
17				dW						
18										
19										
20										

Interrupted 10 m.

Series 378

Sc V

Jan 11, 1915 Copied Card

MC 6977 Carte 23 vv −2.5 alt. corr. +.03

	B	C	Curve	Magn.	C			Curve	Magn.
1	2.6 2.7		+6.54	9.24	7.1	7.2	7.15 1 0	+1.97	9.12
2	3.3 3.4		6.64	10.04	7.7	7.5	7.60 1 1	2.00	9.60
3	3.4 3.5		6.66	10.16	8.0	8.1	8.05 0 1	2.03	10.08
4	4.1 4.2 4.25 0 1	4.3	6.70	10.95 W.S	9.1	9.0	9.05 1 0	2.11	11.16
5		4.7	6.69	11.39	9.3	9.5	9.40 1 1	2.13	11.53
6		5.2	6.63	11.83					
7		5.3	6.62	11.92					chW
8		5.7	6.56	12.26					
9		6.7	6.33	13.03					
10		6.9	6.29	13.19					
11		7.40 1 1 7.3 7.5	6.14	13.54					
12		7.70 0 0 7.7 7.7	6.06	13.76					
13		7.95 1 0 7.9 8.0	6.01	13.96					
14		8.50 0 0 8.5 8.5	5.86	14.36					
15		8.95 1 0 8.9 9.0	5.78	14.74 3					
16									
17				chW					
18									
19									
20									

Series 378

ScV

Jan 11, 1915

MC 6978 Bole

		B		C	~~Curve~~ Magn.
	5				4.7 4.7 4.70 00
	6				5.2 5.2 5.20 00
	8				6.3 6.2 6.25 10
	9				6.9 6.9 6.90 00
Defective	10	2.4 2.5			7.1 7.1 7.10 00
	11	2.8 2.9			7.5
	12	3.2 3.3			7.9
	13	3.5 3.6			8.3
	14	3.8 3.9	3.95	10 4.0	8.7
	15			4.3	9.0
	16			4.7	Too close to be m.
	17			4.9	9.5
	18			5.5	9.9
	19			5.8	
	20			6.20 11 6.1 6.3	
	23			7.1	
	25			8.00 00 8.0 8.0	
	26			8.40 00 8.4 8.4	
	27			8.90 00 8.9 8.9	
	28			9.30 00 9.3 9.3	
	29			9.90 00 9.9 9.9	

11 50

All plates in this series are poor.

Series 378

Sc Y

Jan 14, 1915

9 45 MC 6978 Pole

	B			C	mc 6984 P.216	Mean		Diff.	C				mc 6984 P.216	Mean		Diff.
5									4.7	4.7	4.70	00	4.45	4.58	12 13	+1.91
6									5.1	5.2	5.15	10	4.95	5.05	10 10	2.06
8									6.1	6.1	6.10	00	6.20	6.15	05 05	2.08
9									6.8	6.7	6.75	01	6.80	6.78	03 02	2.05
10	2.4	2.5			2.6	2.55	10	+6.47	7.1	7.1	7.10	00	7.10	7.10	00 0-	1.92
11	2.8	2.9			3.2	3.05	1 2	6.50	7.5				7.5	7.50	0 0	2.05
12	3.2	3.3			3.6	3.45	1 2	6.41	7.8				8.0	7.90	1 1	1.96
13	3.6	3.7			4.00	$3.\overset{8}{9}5$	15 15	6.45	8.2				8.4	8.30	1 1	2.00
14	3.8	3.9	3.90 00	3.9	4.3	4.10	20 20	6.55	8.7				8.7	8.70	0 0	1.95
15				4.3	4.7	4.50	2 2	6.58	8.9				9.0	8.95	1 0	2.13
16				4.6	5.0	4.80	2 2	6.60	Too close to br. im				9.3	9.30	·2	2.10
17				4.9	5.3	5.10	2 2	6.53	10.0				9.8	9.90	1 1	1.73
18				5.5	5.9	5.70	2 2	6.36								
19				5.9	6.1	6.00	1 1	6.42								
20				6.2	6.3	6.25	0 1	6.48								
23				7.0	7.0	7.00	00	6.34								
25				7.95 1.0 7.9	8.0	7.70 7.82	13 12	6.05								
26				8.30 0.0 8.3	8.3	8.25 8.28	02 03	$6.\overset{0}{1}5$								
27				8.80 0.0 8.8	8.8	8.70 8.75	05 05	5.94								
28				9.20 0.0 9.2	9.2	9.05 9.12	08 07	5.99								
29				9.80 0.0 9.8	9.8	9.60 9.70	10 10	5.96								

ch W

ch W

Faint images very poor

Ser. 378

Dcl

Jan. 14, 1915

Copied

Card.

Alt. Cor. — .18

MC 6979 D 12

	B		C	Curve	Magn.	C		Curve	Magn.
1	1.6 1.7			.	.	6.0	6.0 6.00	+2.02	8.02
2	1.3 1.4			.	.	5.3	5.3 5.30	2.02	7.32
3	1.9 2.0			.	.	6.3	6.2 6.25	2.02	8.27
4	2.2 2.3			.	.	6.7	5. 6.7 6.60	2.02	8.62
5	2.3 2.4			.	.	6.2	6.2 6.20	2.02	8.22
6	2.3 2.4			.	.	6.7		2.02	8.72
7	2.5 2.6			+6.46	9.06	7.1		2.02	9.12
8	2.4 2.5			6.45	8.95	7.2		2.02	9.22
9	2.5 2.6			6.46	9.06	7.2		2.02	9.22
10	2.7 2.8			6.48	9.28	7.5		2.02	9.52
11	2.8 2.9			6.49	9.39	7.5		2.02	9.52
12	2.9 3.0			6.49	9.49	7.7		2.02	9.72
13	3.1 3.2			6.50	9.70	7.9		2.02	9.92
14	3.3 3.4			6.50	9.90	8.2		2.02	10.22
15	3.5 3.6			6.50	10.10	8.5		2.04	10.54
16	3.5 3.6			6.50	10.10	8.5		2.04	10.54
16a	3.9 4.0	4.05	4.1	6.51	10.56	9.0		2.07	11.07
17			4.50 4.7 4.3	6.52	11.02	9.2		2.09	11.29
18			4.8	6.51	10.81	9.3		2.10	11.40
19			4.7	6.52	11.22	9.5		2.13	11.63
20			5.0	6.52	11.52	9.8		2.18	11.98
21			4.9	6.52	11.42				
22			5.3	6.50	11.80				chW
23			5.9	6.44	12.34				
24			6.0	6.42	12.42				
25			6.1	6.41	12.51				
26			6.3	6.38	12.68				
27			6.7	6.32	13.02				
27a			6.8	6.30	13.10				
28			7.1	6.25	13.35				

Ser. 378

Sel

Jan 14, 1915

alt. corr. −.18

MC 6979 D12

	C		Curve	Magn.
29	7.1		+6.24	13.34
30	7.5		6.17	13.67
31	7.5 ~~8.1~~	w.s.	6.17	13.67
32	7.7		6.13	13.83
33	8.0		6.07	14.07
	8.10	00		
34	8.1	8.1	6.05	14.15
	8.25	10		
35	8.3	8.2	6.03	$14.\overset{2}{\cancel{8}}8$
	8.60	12		
36	8.7	8.5	6.00	14.60
	9.20	11		
37	9.1	9.3	5.95	15.15
	$9.8\overset{5}{\cancel{6}}$	01		
38	9.8	9.9	5.93	15.78

ch W

Images poor

Series 378

DeV Jan 14, 1915 Copied Card.

MC 6980 Carte 23 00 + 55 Alt. corr. +.22

	B	c	Curve	Magn	C	Curve	Magn.
1	2.1 2.2		.	.	6.5 6.7 6.60 .11	+2.02	8.62
2	2.3 2.4		2	2	6.7 6.7 6.70 .00	2.02	8.72
3	3.1 3.2		+6.50	9.70	7.5 7.7 7.60 .11	2.02	9.62
4	3.4 3.5		6.50	10.00 ~~9.80~~	~~8.0?~~ Im. defective.		.
5	4.5 4.6 4.65 .01	4.7	6.52	11.17	9.1 9.3 9.20 .11	2.09	11.29
6		4.8	6.52	11.32	9.5	2.13	11.63
7		5.3	6.50	11.80	9.8	2.18	11.98
8		6.2	6.40	12.60			
9		6.40 .11 6.3 6.5	6.37	12.77			
10		6.9	6.28	13.18			
11		7.10 .00 7.1 7.1	6.24	13.34			
12		8.00 .00 8.0 8.0	6.07	14.07			
13		8.15 .10 8.1 8.2	6.04	14.19			
14		8.70 .00 8.7 8.7	5.99	14.69			
15		9.25 .01 9.2 9.3	5.95	15.20			

Series 378

SeV

Jan 14, 1915 Copied

Card.

Mc 6981 Cass 23 00 - 2.5

alt. corr. +.03

	B	C	Curve	Magn.	C			Curve	Magn.
1	2.7 2.8		+6.48	9.28	7.5	7.5	7.50 00	+2.02	9.52
2	3.2 3.3		6.50	9.80	7.9	7.9	7.90 00	2.02	9.92
3	3.5 3.6		6.50	10.10	8.2	8.2	8.20 00	2.02	10.22
4	4.1 4.2 4.25 01	4.3	6.51	10.76	8.9	8.9	8.90 00	2.06	10.96
5		4.3	6.51	10.81	9.1	9.1	9.10 00	2.08	11.18
6		5.1	6.52	11.62	9.7			6 2.17	11.86
7		5.3	6.50	11.80	9.8			2.18	11.98
8		5.7	6.47	12.17					
9		6.4	6.37	12.77					ch W
10		7.0	6.26	13.26					
11		7.15 01 7.2 7.1	6.24	13.39					
12		7.50 00 7.5 7.5	6.17	13.67					
13		8.00 00 8.0 8.0	6.07	14.07					
14		8.10 00 8.1 8.1	6.05	14.15					
15		9.15 01 9.2 9.1	5.96	15.11					

ch W

Series 378

Se V — Jan 14, 1915 — Copied — Card.

Mc 6982 Carte 0 . 00 +46.5 alt. corr. +22

	B	C	Curve	Magn	C	Curve	Magn.
1	1.4 1.5		.	.	5.9 5.9 5.95 00	+2.02	7.92
2	2.3 2.4		.	.	6.7 6.5 6.60 11	2.02	8.62
3	2.5 2.6		+6.46	9.06	7.1 7.1 7.10 00	2.02	9.12
4	3.0 3.1		6.50	9.60	7.5 7.5 7.50 00	2.02	9.52
5	3.3 3.4		6.50	9.90	7.8 7.9 7.85 01	2.02	9.87
6	3.6 3.7		6.50	10.20	8.5	2.03	10.53
7	3.9 4.0 4.00 00	4.0	6.51	10.51	8.8	2.05	10.85
8	4.1 4.2 4.25 01	4.3	6.51	10.76	9.0	2.07	11.07
9		4.7	6.52	11.22	9.3	2.10	11.40
10		5.8	6.45	12.25	Im. dup.	.	.
11		6.1	6.41	12.51			ch W
12		6.3	6.38	12.68			
13		6.3	6.38	12.68			
14		7.0	6.26	13.26			
15		7.3	6.21	13.51			
16		7.60 11 7.5 7.7	6.15	13.75			
17		7.90 00 7.9 7.9	6.09	13.99			
18		8.10 00 8.1 8.1	6.04	14.14			
19		8.60 11 8.7 8.5	6.00	14.60			
20		8.95 01 9.0 8.9	5.96	14.91			

ch W

Series 378

Set Jan 14, 1915 Copied Card.

MC6983 Carte 0 00 + 65 0 alt. corr. +19

	B.			C	Curve	Magn.	C				Curve	Magn.
1	2.0	2.1			.	.	6.7	6.7	6.70	00	+2.02	8.72
2	2.7	2.8			+6.48	9.28	7.5	7.5	7.50	00	2.02	9.52
3	3.1	3.2			6.50	9.70	7.9	7.9	7.90	00	2.02	9.92
4	3.3	3.4			6.50	9.90	8.1	8.0	8.05	10	2.02	10.07
5	3.6	3.7			6.51	10.21	8.5	8.4	8.45	10	2.03	10.48
6	3.9	4.0	4.00 00	4.0	6.51	10.51	8.8				2.05	10.85
7	4.2	4.3	4.30 00	4.3	6.51	10.81	9.3				2.10	11.40
8				5.1	6.51	11.61	9.8				2.18	11.98
9				5.0	6.52	11.52	9.8				2.18	11.98
10				6.1	6.41	12.51						
11				6.1	6.41	12.51						chW
12				6.3	6.38	12.68						
13				6.3	6.38	12.68						
14				6.7	6.32	13.02						
15				6.9	6.28	13.18						
16				7.35 10 7.3 7.4	6.20	13.55						
17				7.70 00 7.7 7.7	6.14	13.84						
18				8.05 01 8.0 8.1	6.06	14.41						
19				8.70 00 8.7 8.7	5.99	14.69						
20				9.60 11 9.7 9.5	5.94	15.54						

chW

Series 378

S cV Jan 14, 1915

MC 6984 Pole

	B	c		e
5				4.6 4.3 4.45 2.1
6				5.0 4.9 4.95 0.1
8				6.2 6.2 6.20 0.0
9				6.8 6.8 6.80 0.0
10	2.5 2.6			7.1 7.1 7.10 0.0
11	3.1 3.2			7.5
12	3.5 3.6			8.0
13	3.9 4.0 4.00 0.0	4.0		8.4
14		4.3		8.7
15		4.7		9.0
16		5.0		9.3
17		5.3		9.8
18		5.9		
19		6.1		
20		6.3		
23		7.0		
25		7.70 0.0 7.7 7.7		
26		8.25 0.1 8.2 8.3		
27		8.70 0.0 8.7 8.7		
28		9.05 1.0 9.1 9.0		
29		9.60 1.1 9.7 9.5		
30				

11 45

Series poor throughout—

Remeasures

Sc R 3d Eff Oct 8, 1914

£ 2395 Ser 7 13+15

17	4.3	4.6
19	5.7	6.0
21	6.1	6.4
22	6.3	6.~~7~~6
23	6.1	6.4