

KG
11365
996

KG 11365-996

No series reductions in this book made with magns. on scale of HC 170.

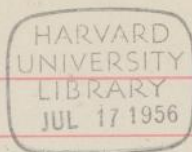
Magns. depending on scale readings 9.7 and fainter (13.7 and fainter with scale R) underlined in ^{this} book and wherever copied. October 26, 1914.

Scale U was generally used for MC series, (blue) but for the following series other scales were used

Series	Plates	Scale
333	6405-16	V
398	7204-	V
360	6733 -	V
397	7183 -	V

and plates after page 206.

NG 11365.995



Series 247

Se. 11

May 8, 1914

MC 5419				Se1		Se2		Se		P.7		P.13		mean		diff.	
	5																
	6																
	8																
Diff.	9																
+5.05	10	39															
5.25	11	43															
5.19	12																
5.30	13																
5.35	14																
5.41	15																
5.47	16																
5.50	17																
5.46	18																
5.59	19																
5.56	20																
5.71	23																
5.70	25																
5.75	26																
5.71	27																
5.68	28																
5.74	29																

Series 247

Se U

Copied

Card

May 8, 1914

Card

MC 5420: 81K				MC 5421 M 5				alt. +.08			
Se 1 curve		Se 2		Se 1 curve		Se 2		Se 1 curve		Se 2	
1	30			5.25	5.3	6.59	4.2	5.14	9.34	7.2	7.3
2	36		mag.	6.10	6.1	7.58	4.3	5.16	9.46	7.4	7.5
3	5.23	4.7	9.93	8.5	8.5	10.03	5.23	9.93	4.7	8.3	8.3
4	5.31	5.2	10.51	8.95	9.0	10.48	5.31	10.51	5.2	9.1	9.1
5	5.40	5.7	11.10	9.35	9.4	10.88	5.41	11.21	5.8	9.8	9.8
6	5.35	5.4	10.75	9.1	1.53	10.63	5.49	11.69	6.2	9.8	9.8
7	5.48 ⁹	6.2	11.68	9.8	1.53	11.33	5.55	12.35	6.8	9.8	9.8
8	5.48 ⁹	6.2	11.68				5.59	12.69	7.1	9.8	9.8
9	5.50	6.4	11.90				5.63	13.13	7.5	9.8	9.8
10	5.50	6.4	11.90				5.66	13.46	7.8	9.8	9.8
11	5.50	6.3	11.80				5.70	13.85	8.1	9.8	9.8
12	5.54	6.7	12.24				5.70	14.25	8.5	9.8	9.8
13	5.59	7.1	12.69				5.70	14.45	8.8	9.8	9.8
14	5.62	7.5	13.02				5.72	14.97	9.2	9.8	9.8
15	5.68	8.0	13.68				5.71	15.31	9.6	9.8	9.8
16	5.70	8.5	14.10						9.7	9.8	9.8
17	5.71	9.0	14.71								
18	5.71	9.5	15.21								
19		ns									

Series 247

bell

copied

Card. May 8, 1914

alt. - 22

$$MC_{5422} = 13$$

	501 curve	1.502	curve	0c.	0c.	7.050	mag	801
1	37	5.02	872	1.50	7.0	7.1	8.55	4.1
2		5.23	9.3	4.7	1.53	8.7	8.7	10.23
3		9.3	5.23	4.7	1.53	8.5	8.5	10.03
4		10.16	5.26	4.9	1.53	9.0	8.8	10.43
5		10.63	5.33	5.3	1.53	9.5	9.6	11.08
6		11.10	5.40	5.7	1.53	9.9		<u>11.43</u>
7		11.69	5.49	6.2				
8		11.57	5.47	6.1				
9		11.80	5.50	6.3				
10		12.35	5.55	6.3				
11		12.69	5.59	7.1				
12		12.91	5.61	7.3				
13		13.69	5.69	8.0				
14		13.85	5.70	8.2				
15		14.30	5.70	8.7				
16		14.66	5.71	9.0				
17		15.02	5.72	9.3				
18		<u>15.41</u>	5.71	9.7				

19

20

Copied.

Card

$$m_c 5423 = 15^\circ K$$

all. + 2'0

so 2

9

magu

curve

43

			7.10 ⁰⁰		
			7.1	1.50	8.60
			7.45 ¹⁰		
	magn	7.5	7.4	1.51	8.9
			7.95 ¹⁰		
	curr	7.9	8.0	1.52	9.4
			8.70 ⁰⁰		
4.9	5.26	10.16	8.7	1.53	10.2
			8.7		
			9.05 ⁰¹		
5.1	5.30	10.40	9.0	1.53	10.5
			9.1		
5.3	5.33	10.63	9.2	1.53	10.7
5.3	5.33	10.63	9.3	1.53	10.8
5.9	5.43	11.33	9.4	1.53	11.1
6.2	5.49	11.69			
6.4	5.52	12.12			
6.8	5.55	12.35			
7.2	5.60	12.80			
7.6	5.64	13.24			
7.8	5.68	13.48			
8.2			5.70	13.90	
8.3	8.30 ⁰⁰	8.3	5.70	14.00	
8.6	8.55 ⁰²	8.5	5.70	14.25	
8.8	8.75 ⁰¹	8.7	5.70	14.45	
9.0	8.95 ⁰¹	8.9	5.71	14.66	
9.1	9.75 ¹⁰	9.8	5.71	15.46	

Series 247

Sec II

May 8, 1914

MC 5424		Pole		Pc	
Sec I		Sec 2			
50	8.60	5		52	5.2 5.20 00
51	8.96	6		57	5.8 5.75 10
52	9.47	8		67	6.7 6.70 00
53	10.23	9		73	7.3 7.30 00
53	10.58	10	40	75	7.5 7.50 00
53	10.73	11	43	80	
53	10.83	12	47	85	
50	<u>11.43</u>	13	50	88	
		14	53	91	
		15	57	95	
		16	59	98	
		17	61		
		18	66		
		19	69		
		20	72		
		23	76		
		25	81 82 8.15 10		
		26	85 86 8.55 10		
		27	90 89 8.95 01		
		28	94 95 9.45 01		
		29	10.0 99 9.95 01		

See page 4.

Bell

Series 247

May 8, 1914

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Cards

Mc 5425		107 K		Pc	alt. +.03	
Sc 1	Sc 2	curr	magn.			
1	30			5.5 ^{5.60 ± .1} 5.7	1.38	6.98
2	33			6.1 ^{6.05 ± .1} 6.0	1.44	7.49
3	40	5.10	9.10	7.0 ^{7.00 ± .1} 7.0	1.50	8.50
4	43	5.16	9.46	7.3 ^{7.40 ± .1} 7.5	1.51	8.91
5	44	5.18	9.58	8.1 ^{8.10 ± .1} 8.1	1.52	9.62
6	48	5.24	10.04	8.7	1.53	10.23
7	52	5.31	10.51	9.0	1.53	10.53
8	54	5.35	10.75	9.8	1.53	11.33
9	56	5.38	10.98	9.9	1.53	11.43
10	57	5.40	11.10	9.9	1.53	11.43
11	59	5.43	11.33			
12	63	5.49	11.79			
13	67	5.54	12.24			
14	7.1	5.59	12.69			
15	7.7	5.65	13.35			
16	8.1 ^{8.05 ± .1} 8.0	5.69	13.74			
17	8.7 ^{8.70 ± .1} 8.7	5.71	14.41			
18	9.0 ^{9.00 ± .1} 9.0	5.71	14.71			
19	9.3 ^{9.30 ± .1} 9.3	5.72	15.02			
20	9.5 ^{9.60 ± .1} 9.7	5.71	15.31			

Series 247

Se U

May 8, 1914

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Cards

	MC 5426	132 K		pc	alt. - 20	
	sc1	sc2	curr	magn.		
1	32				5.8 ^{5.8501} 5.9	1.42 7.27
2	33				6.1 ^{6.1000} 6.1	1.44 7.54
3	38		5.05	8.85	6.7 ^{6.7000} 6.7	1.49 8.19
4	43		5.16	9.46	8.2 ^{8.1501} 8.1	1.52 9.67
5		48	5.24	10.04	8.8 ^{8.8000} 8.8	1.53 10.33
6		53	5.33	10.63	9.2	1.53 10.73
7		57	5.40	11.10	9.8 9	1.53 <u>11.33</u>
8		60	5.45	11.45		
9		62	5.48	11.68		
10		65	5.51	12.01		
11		69	5.59	12.49		
12		72	5.60	12.80		
13		75	5.63	13.13		
14		81	5.70	13.80		
15		80	5.69	13.69		
16		84 ^{8.3501} 8.3	5.70	14.05		
17		87 ^{8.7501} 8.8	5.71	14.46		
18		89 ^{8.9501} 9.0	5.71	14.66		
19		95 ^{9.5000} 9.5	5.71	15.21		
20		98 ^{9.8000} 9.8	5.71	<u>15.51</u>		

Series 247

Bell

May 8, 1914

Copied.

Card.

	Mc 5427 Sc 1	Sc 2	6 K curr.	8 C	Alt. +.14	
1		46	5.21	9.81	8.70 ⁰⁰ 8.7 ⁰⁰	1.53 10.23
2		49	5.26	10.16	8.95 ⁰¹ 9.0 ⁰⁰	1.53 10.48
3		51	5.30	10.40	9.00 ⁰⁰ 9.0 ⁰⁰	1.53 10.53
4		53	5.33	10.63	9.25 ⁰¹ 9.2 ⁰⁰	1.53 10.78
5		55	5.37	10.87	9.70 ⁰⁰ 9.7 ⁰⁰	1.53 <u>11.23</u>
6		60	5.45	11.45		
7		62	5.48	11.68		
8		63	5.50	11.80		
9		67	5.54	12.24		
10		70	5.58	12.58		
11		72	5.60	12.80		
12		80	5.69	13.69		
13		8.25 ¹⁰ 8.2 ⁰⁰	5.70	13.95		
14		8.15 ⁰¹ 8.1 ⁰⁰	5.70	13.85		
15		8.60 ¹² 8.6 ⁰⁰	5.70	14.30		
16		9.00 ⁰⁰ 9.0 ⁰⁰	5.71	14.71		
17		9.75 ⁰¹ 9.7 ⁰⁰	5.71	<u>15.46</u>		

Series 247

Sc II

May 8, 1914

Copied

Card.

	Mc 5428	61 K	BC	alt. +.22
	Sc I	Sc II	curve	
1	3.8	5.05	8.85	7.0 1.50 8.60
2	4.1	5.12	9.22	7.2 1.50 8.70
3	4.6	5.20	9.80	8.0 1.52 9.52
4		4.8 5.24	10.04	8.1 1.53 10.23
5		5.2 5.31	10.51	9.7? 1.53 11.23?
6		5.3 5.33	10.63	9.5 1.53 11.03
7		5.7 5.41	11.11	9.8 1.53 11.33
8		5.9 5.43	11.33	9.9 1.53 11.43
9		5.9 5.43	11.33	
10		6.8 5.55	12.35	
11		6.7 5.54	12.24	
12		7.0 5.58	12.58	
13		8.0 5.69	13.69	
14		8.3 8.2 5.70	13.95	
15		8.8 8.7 5.70	14.45	

Fainter stars were not selected on account of an
"accidental eff." on the plate.

Series 247

Bell

May 8, 1914

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Card

me 5429 85 K			oc		alt. +.17	
37	1	39 380.1	5.05	8.85	7.12.71	Two images close together
	2	4.3	5.16	9.46	7.95.10	1.51 9.46
	3	4.6	5.21	9.81	8.20.00	1.52 9.72
	4	4.8	5.24	10.04	8.75.10	1.52 10.21
	5	5.1	5.30	10.40	9.80.00	1.53 11.33
	6	5.4	5.35	10.75	9.90.00	1.53 11.43
	7	5.8	5.41	11.21		
	8	5.8	5.41	11.21		
	9	6.2	5.48	11.68		
	10	6.4	5.50	11.90		
	11	6.9	5.57	12.47		
	12	7.1	5.59	12.69		
	13	7.3	5.61	12.91		
	14	7.7	5.65	13.35		
	15	8.05.10	5.69	13.74		
	16	8.20.00	5.70	13.90		
	17	8.70.00	5.71	14.41		
	18	9.05.10	5.72	14.77		
	19	9.75.10	5.71	15.46		

Series 247

Se 11

May 8, 1914

MC 5430		Pole	Pc
Se 1	Se 2		
5			5.3 5.3 6.30 00
6			5.7 5.7 5.70 00
8			6.8 6.7 6.75 01
9			7.3 7.3 7.25 10
10	40		7.3 7.3 7.30 00
11	43		8.0
12	47		8.5
13		5.0	9.0
14		5.3	9.2
15		5.7	9.7
16		6.0	9.9
17		6.1	
18		6.5	
19		6.8	
20		7.1	
23		7.6	
25		8.2 8.2 8.20 00	
26		8.7 8.5 8.60 11	
27		9.0 9.0 9.00 00	
28		9.3 9.5 9.40 11	
29		9.8 9.9 9.85 01	

2 00

Interruption of 10^m

14

Series 116

Sec. II

May 15, 1914

2	40	mc 3743 Sc 1	Pole Sc 2	8c	P. 18.	Diff.
	5			6.10 00		
	6			6.1 6.1	6.10 6.10 00 00	+0.39
	8			6.50 00		
	9			6.5 6.5	6.50 6.50 00 00	0.61
Diff.	8			7.50 00		
	9			7.5 7.5	7.60 7.55 05 05	0.68
		mc 3748 P. 18. Mean.		8.05 18		
				8.1 8.0	8.20 8.12 01 08	0.71
				8.10 00		
+4.320	10 46			8.1 8.1	8.45 8.28 18 17	0.74
4.35	11	5.1	5.3 5.20 1.1	8.6	8.9 8.75 2.1	0.80
4.31	12	5.4	5.7 5.55 2.1	9.0	9.2 9.10 1.1	0.76
4.45	13	5.7	6.0 5.85 1.2	9.3	9.6 9.45 1.20	0.85
4.60	14	5.9	6.2 6.05 1.2	9.8	9.7 9.85 0.1	0.80
4.68	15	6.3	6.5 6.40 1.1			
4.60	16	6.7	6.9 6.80 1.1			
4.58	17	6.9	7.2 7.05 1.2			
4.56	18	7.3	7.7 7.50 2.2			
4.57	19	7.7	8.0 7.85 1.2			
4.85	20	7.60 1.2 7.7 7.5	8.15 7.85 2.8	37		
4.82	22	8.40 2.1 8.3 8.5	8.65 8.52 1.2	13		
4.82	25	9.00 1.1 9.1 8.9	9.10 9.05 0.5	05		
4.81	26	9.40 1.1 9.5 9.3	9.65 9.52 1.2	13		
4.81	27	9.85 1.0 9.9 9.8	9.90 9.88 0.2	02		
	28					

Series 116

May 15, 1914

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Card.

Sc II

	mc 3744	8	Ks	oc	alt. +212
	Sc1	Sc2	curr	magu	
1	48		4.32	9.12	8.0 0.71 8.71
2		53	4.37	9.67	8.7 0.75 9.46
3		57	4.42	10.12	9.3 0.80 10.10
4		62	4.48	10.68	Paper.
5		67	4.57	11.27	
6		71	4.63	11.73	
7		73	4.66	11.96	
8		75	4.70	12.20	
9		8.00 ± 1 79 81	4.77	12.77	
10		8.60 ± 1 85 87	4.81	13.41	
11		9.00 ± 1 90 90	4.83	13.83	
12		9.30 ± 1 92 94	4.83	14.13	
13		9.85 ± 1 98 99	4.83	14.68	
Scratched - 14					
15		ns			

Series 116

May 15, 1914 Copied.

Card.

Sc 11

* MC 3745 136 K

PC

alt. -18

	Sc 1	Sc 2							
1	4.4				7.7	7.5	76.12	0.68	8.28
2	4.7		4.31	9.01	7.9	78	78.510	0.70	8.55
3		53	4.37	9.61	8.9	89	89.00	0.77	9.67
4		55	4.40	9.90	9.1	91	91.00	0.77	9.89
5		63	4.49	10.79					
6		68	4.59	11.39					
7		74	4.68	12.08					
8		77	4.73	12.43					
9		8.1	4.78	12.88					
10		8.5	4.81	13.31					
11		8.95.1	4.83	13.78					
12		9.05.10	4.83	13.88					
13		9.14.11	4.83	14.23					
14		9.15.01	4.83	14.58					
15		9.15.01	4.83	14.78					

* 8 on plate,

Series 116

Se 11

May 15, 1914 Copied.

Card.

MC 3746 = 112 K		Olate too poor			
1	MC 3747 = 8.65 K	alt. + 2.2	SC	80	79 19.50 ± 0.70 8.65
2	5.4	4.39	9.19	92	91 9.15 ± 0.19 9.94
3	6.4	4.50	10.90		
4	6.7	4.57	11.27		
5	6.9	4.60	11.50		
6	7.4	4.68	12.08		
7	8.0	4.77	12.77		
8	8.2	4.79	12.99		
9	8.5	4.81	13.31		
10	8.7	4.82	13.52		
11	8.85 ¹⁰	4.82	13.67		
12	8.9	4.83	13.83		
13	9.0	4.83	14.18		
14	9.1	4.83	14.28		
15	9.2	4.83	14.73		

Series 116

Bell

May 15, 1914

	MC 3748	8c	8c
	Se1	Se2	
5			6.1 6.1 6.10 00
6			6.5 6.5 6.50 00
8			7.7 7.5 7.60 11
9			8.2 8.2 8.20 10
10	48		8.4 8.5 8.45 01
11		5.3	8.9
12		5.7	9.2
13		6.0	9.6
14		6.2	9.9
15		6.5	
16		6.9	
17		7.2	
18		7.7	
19		8.0	
20		8.2 8.18.15 01	
23		8.6 8.78.65 01	
25		9.1 9.19.10 00	
26		9.7 9.69.65 10	
27		9.9 9.99.90 00	

Seu

Series 116

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Card.

May 15, 1914

	MC 3749 Sci 33	9 Ks	BC alt. +.23	
1			6.3 0.48 6.78	
2	48	4.32 9.12	7.8 0.70 8.50	
3	5.1	4.35 9.45	8.3 0.74 9.04	
4	6.2	4.48 10.68		
5	6.8	4.59 11.39		
6	7.2	4.65 11.85		
7	8.1	4.78 12.88		
8	8.3	4.80 13.10		
9	8.7	4.82 13.52		
10	9.0	4.83 13.83		
11	9.5 9.5	4.83 14.33		
12	9.6 11.1	4.83 14.43		
13	9.9 9.9	4.83 14.73		
14	9.9 9.9	4.83 14.73		
15	10.0 10.0	4.82 14.82		

Images poor

Series 116

Sell

May 15, 1914

Copied

	MC 3750	89 K	SC	alt. +.17
	5.1	curve		
1	4.6	4.30	8.90	8.1 0.71 8.81
2		5.5 4.40	9.90	8.9 0.71 9.61
3		6.2 4.48	10.68	9.8 0.84 <u>10.64</u>
4		6.9 4.60	11.50	
5		7.2 4.65	11.85	
6		8.1 4.78	12.88	
7		8.7 4.82	13.52	
8		8.8 4.82	13.62	
9	9.2 9.0	4.83	13.93	
10		9.7 4.83	<u>14.53</u>	
11		9.8 4.83	<u>14.63</u>	
12		ns		
13		ns		
14		ns		
15		ns		

Bon Plate does not show ft. stars.

Series 116

Sc II

May 15, 1914

MC 3751 113 K Too poor

MC 3752 41 K ~~411~~ BC"Do not meas." in Journal.
Do not reduce. H.S.L. June 17, 1914

1	42		7.2	7.7
2		48	8.1	8.1
3		53	8.7	8.7
4		53	8.7	8.8
5		6.1	9.7	9.7
6		6.3		
7		6.7		
8		7.1		
9		7.3		
10		7.5		
11		7.5 7.7		
12		8.2 8.4		
13		9.0 9.1		
14		9.2 9.3		
15		9.7 9.8		

Images poor

Series 116

May 15, 1914

Soll

MC 3753 = 42 K

8c

"Do not meas." in Journal.

not to be reduced. S. L.

June 17, 1914.

1	43	52
2		53
3		56
4		63
5		65
6		69
7		72
8		77
9		81
10		83
11		88 87
12		90 89
13		93 93
14		97 98
15		98 98

78	77
89	89
93	92
98 ?	98

4 55

Plate 3754 too poor to measure.

The whole series very poor.

14.

Series 232

Scale U

10.50

mb 5222 Pole

May 20, 1914

Dec. Dec

Diff.			mc 5221	mc 5233	P.6	P.29	P.33	Mean.	Diff.
	5				5.40 00				
	6				5.4 5.4	5.60	5.60	5.53 03 01	+0.96
	7				6.05 10	6.00	6.10	6.05 00 05	1.06
	8				7.15 10	7.20	7.15	7.17 02 03 02	1.06
	9				7.10 00	7.65	7.70	7.68 02 03 02	1.15
	10	4.2	4.3	4.3	7.80 10	7.80	7.75	7.78 02 02 03	+1.24
4.82	11		4.7	4.8	8.2	8.1	8.1	8.13 1 0 0	1.42
4.83	12		5.0	5.0	8.5	8.5	8.4	8.47 0 0 1	1.39
4.90	13		5.4	5.4	8.9	9.0	8.9	8.93 0 1 0	1.37
4.95	14		5.7	5.7	9.1		9.2	9.15 1 0 0	1.50
4.98	15		6.1	6.1	9.5	9.5	9.5	9.50 0 0 0	1.58
4.99	16		6.5	6.4	9.8	9.8	9.8	9.80 0 0 0	1.60
4.80	17		6.8	6.9	9.9				
4.86	18		7.1	7.3	7.2 7.20 10				
4.99	19		7.3	7.5	7.5 7.43 11				
5.10	20		7.7	7.7	7.5 7.63 11				
5.37	21		7.9	8.1	8.20 00				
5.62	22		8.2	8.2	8.35 8.6 8.20 8.25 05 10 05				
5.70	23		8.5	8.5	8.70 8.60 8.63 03 07 03				
5.72	24		8.9	8.9	9.00 8.95 8.97 02 03 02				
5.69	25		9.3	9.3	9.50 9.45 9.42 12 08 03				
5.81	26		9.8	9.9	9.85 9.85 9.85 00 00 00				
	27								
	28								
	29								
	30								

Series 282

Scale U

May 20, 1914

Cand.

m b 5223

13 h 30 m + 24°

alt. +21

Sc. 1 Sc. 2

P. 6.

1	4.3		4.74	9.04	7.2	7.3	1.13	8.38
2		4.7	4.80	9.50	8.0	8.1	1.30	9.35
3		5.2	4.87	10.07	8.3	8.6	1.40	9.85
4		5.7	4.91	10.61	9.1	9.0	1.51	10.56
5		6.1	4.93	11.03	9.7	9.5	1.56	11.16
6		7.0	4.93	11.93				
7		7.2	4.95	12.15				
8		7.4	5.00	12.40				
9		8.2	5.49	13.69				
10		8.3	5.54	13.84				
11		8.5	5.62	14.12				
12		8.7	5.67	14.37				
13		8.9	5.70	14.65				
14		9.3	5.76	15.16				
15		9.9	5.79	15.64				

Series 232

Scale U.

May 20, 1914

Card.

Mb 5224

13 h 36 m

+40°

(alt. +23)

Sc.1. : Sc.2.

curr.

P.L.

curr.

1	4.3	4.74	9.04	7.7	7.7	1.21	8.91
2	4.8	4.82	9.62	8.1	8.1	1.32	9.42
3	5.2	4.88	10.08	8.5	8.5	1.42	9.91
4	5.6	4.91	10.51	9.0	8.9	1.50	10.46
5	6.7	4.91	11.61	9.8	9.7	1.56	<u>11.31</u>
6	7.3	4.98	12.28				
7	7.5	5.05	12.55				
8	7.7	5.16	12.86				
9	8.1	5.44	13.54				
10	8.3	5.55	13.85				
11	8.9	5.69	14.49				
12	9.0	5.71	14.71				
13	9.3	5.74	15.04				
14	9.5	5.76	15.26				
15	9.8	5.79	<u>15.59</u>				

Series 232

Scale U.

May 20, 1914

Card

m 5225

13^h 40^m

+30°

alt. +22

Sc. 1

Sc. 2

curr mag.

Pl.

curr mag.

1	4.1		4.70	8.80	7.2	7.2	7.20 00	1.12	8.32
2		5.3	4.88	10.18	8.3	8.2	8.25 10	1.35	9.60
3		5.6	4.91	10.51	8.7	8.7	8.70 00	1.45	10.15
4		5.3	4.88	10.18	8.8	8.9	8.85 01	1.48	10.33
5		6.3	4.92	11.22	9.4	9.7	9.55 21	1.55	11.10
6		7.0	4.92	11.92	5.1				
7		7.3	4.98	12.28					
8		7.7	5.16	12.86					
9		7.9	5.31	13.21					
10		8.5	5.52	14.02					
11		8.7	5.67	14.37					
12		9.2	5.74	14.99					
13		9.3	5.76	15.21					
14		9.8	5.78	15.53					
15		9.8	5.79	15.64					

Series 232

Scale U

May 20, 1914

Card

m 5226

13 h 40 m

+20°

alt +19

bc1 bc2

Plb.

1	3.7			6.3 ⁰⁰	6.3	1.04	7.34
2	4.2	4.71	8.91	6.8 ¹⁰	6.8	1.08	7.93
3	4.2	4.71	8.91	7.0 ⁰⁰	7.0	1.10	8.10
4		4.86	9.96	8.1 ⁰⁰	8.1	1.32	9.42
5	5.1	4.88	10.18	8.7 ⁰⁰	8.7	1.45	10.15
6	5.3	4.92	10.92	9.2		1.51	10.71
7	6.0	4.92	11.22	9.4			
8	6.3	4.93	11.93				
9	7.0	4.98	12.28				
10	7.3	5.31	13.21				
11	7.9	8.35 ⁰¹	5.36	13.91			
12	8.4	8.3	5.69	14.37			
13	8.7	8.7	5.71	14.71			
14	9.0 ⁰¹	9.1	5.77	15.27			
15	9.5 ⁰⁰	9.5	5.79	15.54			
	9.7 ⁰¹	9.8					

Series 232

Scale U.

May 20, 1914

	M b 5227	Pole	
	sc1	sc2	Pb.
5			5.8 5.4 5.60 2.2
6			6.1 5.9 6.00 1.1
8			7.2 7.2 7.20 0.0
9			7.6 7.7 7.65 0.1
10	4.3		7.8 7.8 7.80 0.0
11		4.7	8.1
12		5.0	8.5
13		5.4	9.0
14		5.7	Def.
15		6.1	9.5
16		6.4	9.8
17		6.9	
18		7.3	
19		7.5	
20		7.7	
23		8.1	
25		8.5 8.2 8.35 1.2	
26		8.9 8.5 8.70 2.2	
27		9.1 8.9 9.00 1.1	
28		9.5 9.5 9.50 0.0	
29		9.9 9.8 9.85 1.0	
30			

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Series 232

Scale U.

May 20, 1914

Card.

M. b. 5228 D 8 100 pc to measure

M. b. 5229 15-200 m +30° alt. ~~1.22~~ ^{1.18} 59 K

Sc. 1. Sc. 2.

curve mag.

P. b.

1	3.3	.	6.2 ^{0.00} 6.2 ^{0.00}	1.03	7.23
2	4.0	.	7.0 ^{0.01} 7.1 ^{0.01}	1.10	8.15
3	4.4	4.75 9.15	7.6 ^{0.01} 7.7 ^{0.01}	1.19	8.99
4	4.3	4.74 9.04	7.7 ^{0.00} 7.7 ^{0.00}	1.21	8.91
5	4.8	4.82 9.62	8.35 ^{0.00} 8.4 ^{0.00}	1.38	9.73
6	5.0	4.85 9.85	8.7 ^{0.00}	1.46	10.16
7	5.3	4.88 10.18	8.9 ^{0.00}	1.49	10.39
8	5.7	4.92 10.62	9.3 ^{0.00}	1.53	10.83
9	5.9	4.92 10.82	9.7 ^{0.00}	1.57	11.27
10	6.2	4.92 11.12	9.9 ^{0.00}	1.57	11.47
11	6.4	4.91 11.31			
12	6.7	4.91 11.61			
13	7.1	4.94 12.04			
14	7.8	4.98 12.28			
15	7.5 ^{0.00} 7.5 ^{0.00}	5.05 12.55			
16	7.7 ^{0.01} 7.7 ^{0.01}	5.18 12.93			
17	8.6 ^{0.01} 8.6 ^{0.01}	5.65 14.25			
wrong star	9.3 ^{0.00} 9.3 ^{0.00}	5.75 15.05			
wrong star	9.7 ^{0.00} 9.7 ^{0.00}	5.78 15.48			
wrong star	9.7 ^{0.00} 9.7 ^{0.00}				

For Stars 17, 18, 19, see Anno of Plots MC 5229, 5338

Series 232

Scale

May 20, 1914

Cand

M. L. 5230

15^h 00^m + 82°

alt. + 09

Sec. Sc-2.

mag.

P.L.

ave. mag.

1	4.3	4.73	9.03	7.3	7.2	1.13	8.38
2	5.0	4.85	9.85	8.1	8.1	1.32	9.42
3	5.6	4.91	10.51	8.8	8.7	1.46	10.21
4	6.0	4.93	10.93	9.4	9.3	1.54	10.89
5	6.2	4.92	11.12	9.9	9.7	1.51	11.37
6	7.2	4.95	12.15				
7	7.5	5.05	12.55				
8	7.9	5.32	13.22				
9	8.5	5.62	14.12				
10	8.7	5.67	14.37				
11	8.8	5.69	14.54				
12	9.1	5.72	14.77				
13	9.3	5.74	14.99				
14	9.5	5.77	15.21				
15	9.7	5.78	15.48				

Series 232

Scale U.

May 20, 1914

Card.

S Bootis

m.b. 5231

500 poor to measure.

m.b. 5232

14 h 30 m + 55' alt. + 20

Sc. 1 Sc. 2.

Pb.

Reference Sequence
for Centre of
Plate

1	3.2			6.0	6.0	1.03	7.03
2	4.3		4.74	9.04	7.2	7.2	1.12 8.32
3		4.8	4.82	9.62	8.3	8.3	1.36 9.66
4		5.3	4.89	10.19	8.7	8.7	1.45 10.15
5		5.7	4.92	10.62	9.5	9.4	1.54 10.99
6		6.7	4.91	11.61	9.4	9.4	
7		7.2	4.95	12.15			
8		7.5	5.05	12.55			
9		7.9	5.30	13.20			
10		8.2	5.48	13.68			
11		8.5	5.62	14.12			
12		8.8	5.69	14.49			
13		9.0	5.72	14.77			
14		9.5	5.76	15.21			
15		9.7	5.78	15.38			

Series 232

Scale U.

May 20, 1914

m 6 52 33 Pole

Sc 1 Sc 2

P. 6.

5			5.6	5.6	5.60 00
6			6.1	6.1	6.10 00
8			7.1	7.2	7.15 10
9			7.7	7.7	7.70 00
10	4.3		7.8	7.7	7.75 $\frac{00}{10}$
11		4.8	8.1		
12		5.1	8.4		
13		5.4	8.9		
14		5.7	9.2		
15		6.1	9.5		
16		6.4	9.8		
17		6.8			
18		7.2			
19		7.5			
20		7.5			
23		7.9			
25		8.2	8.2	8.20 00	
26		8.7	8.5	8.60 11	
27		9.0	8.9	8.95 01	
28		9.5	9.4	9.45 10	
29		9.9	9.8	9.85 10	
30					

See P. 24

J. C. S.

12. 15

Series 239

8c 11

June 3, 1914

9c 11 no.	mc 5317		Pole		8c		mean		Diff.
	5c1	5c2	5c1	5c2	5c1	5c2	5c1	5c2	
5			mc 5321		5.2	5.2	5.30	5.25	+1.24
6			P.38		5.7	5.7	5.70	5.70	1.41
8					6.7	6.6	6.75	6.70	1.53
9			mean	Diff.	7.3	7.2	7.20	7.22	1.61
10	4.1		4.2	4.15	7.5	7.4	7.40	7.42	1.60
11	4.6		4.6	4.60	8.0		8.0	8.00	1.55
12	4.9		4.9	4.90	8.3		8.3	8.30	1.56
13			5.2	5.1	8.7		8.7	8.70	1.60
14			5.4	5.3	8.9		9.0	8.95	1.70
15			5.6	5.7	9.2		9.3	9.25	1.83
16			6.2	6.1	9.4		9.7	9.55	1.85
17			6.3	6.2	9.7		9.7	9.70	1.93
18			6.7	6.7					
19			6.9	6.9					
20			7.1	7.2					
23			7.5	7.6					
25			8.1	8.1					
26			8.5	8.4					
27			8.8	8.7					
28			9.2	9.1					
29			9.7	9.5					
30			9.9	10.0					

Series 239

June 3, 1914

Card

Sc U

Lepid

MC 5318 - Nova Gem. Nov 1		alt +.11			
Se 1	Se 2	curve	pc 5.1° 00		
a 3.0			5.7 5.7	1.38	7.08
b					
c 3.3			6.20 00 6.2 6.2	1.50	7.70
d 4.1		4.78 2.3	8.88 7.1 1.10 00 7.1 7.1	1.53	8.63
e 4.3		4.85	9.15 7.5 1.40 1.1 7.3	1.53	8.93
f 4.6		4.95	9.55 7.9 1.80 1.1 7.7	1.56	9.36
g 4.6		4.95	9.55 8.0	1.56	9.56
Double h					
k	5.1	5.10	10.20 8.8	1.66	10.46
l	5.2	5.12	10.32 8.8	1.66	10.46
m	5.4	5.18	10.58 9.2	1.77	10.97
n	5.7	5.26	10.96 9.3	1.80	11.10
o	6.2	5.37	11.57		
p	6.2	5.37	11.57		
q	6.4	5.40	11.80		
r	6.5	5.45	11.95		
s	7.1	5.59	12.69		
t	7.3	5.63	12.93		
u	7.5	5.67	13.17		
v	7.5	5.67	13.17		
x	7.7	5.71	13.41		
y	7.9	5.75	13.65		
z	8.20 00 8.2 8.2	5.80	14.00		
aa	8.30 00 8.3 8.3	5.81	14.11		
ab	8.40 1.1 8.5 8.3	5.83	14.23		
ac	8.50 00 8.5 8.5	5.85	14.35		
ad	9.15 1.0 9.1 9.2	5.96	15.11		

36

Series 239

Bell

June 2, 1914

PC

Copied
alt 4.11

Card.

off pl.

Mc 5319 Nova

Gen. No 2

a

b B

c

d

e

f

g

h

k B

l B

On edge of pl.

m 3.1

n 3.3

o 3.3

p 3.9

q 3.9

r 4.0 4.71

p 4.1 4.79

p' 4.1 4.79

t 4.3 4.86

t' 4.6 4.95

u 4.6 4.95

w

x

y

z

a

b

c

d

e

Curve Magn. 4.1

5.2 1.24 6.44

5.3 1.28 6.58

5.9 1.44 7.34

6.2 1.50 7.70

6.3 1.50 7.80

6.3 1.53 8.33

6.9 1.52 8.42

7.1 1.52 8.62

7.3 1.53 8.83

7.2 1.53 8.73

7.5 1.53 9.03

7.5* 1.55 9.30

8.0 1.56 9.56

8.5 1.60 10.10

8.9 1.68 10.58

9.0 1.71 10.71

9.0 1.71 10.71

9.5 1.87 11.37

6.0 5.32 11.32

6.3 5.39 11.69

6.7 5.50 12.20

8.5 5.85 14.35

E² 7.5 5.67 13.17E² 8.0 5.77 13.77E² 7.1 5.58 12.68E² ?E² 9.2 5.97 15.17

9.800 6.06 15.86

9.8 9.8 ? W.S.?

E² 7.5 5.67 13.17* Use 7.75 cannot tell which is
Per N.S.L. June 16, 1914.

Series 239

Lc R

June 3, 1914

Lepid

Card

MC 5320 W. Mrs. Haj			P.C. alt. +2.22			Card			See below.
Sci			Sci			Sci			P.C.
d #32			57	1.38	708	1	32	62	6.2
2 a On edge of pl.						2	42 483	9.03	9.3
2 b 4.1	4.79	8.89	65	1.52	802	3	43 486	9.16	8.0
c 4.7	4.98	9.68	81	1.56	9.66	4	5.12 5.2	10.32	8.9
d 4.4	4.89	9.29	77	1.55	9.25	5	5.26 5.7	10.96	9.8
e 4.4	4.89	9.29	75	1.54	9.04	6	5.39 6.3	11.69	
f	4.7	4.98	9.68	8.1	1.56	7	5.59 7.1	12.69	
g	4.9	5.04	9.94	8.5	1.60	8	7.8	5.73	13.53
h	5.3	5.16	10.46	8.9	1.68	9	8.2	5.80	14.00
k	5.6	5.22	10.82	9.2	1.77	10	8.5	5.85	14.35
l	6.1	5.35	11.45			11	8.8	5.90	14.70
m	6.4	5.41	11.81			12	9.0	5.93	14.93
n	6.9	5.54	12.44			13	9.3	5.99	15.29
o	7.7	5.71	13.41			14	9.3	5.97	15.29
p	8.2	5.80	14.00			15	9.7	6.04	15.74
q	8.55 10								
r	8.5 8.6	5.86	14.41						
s	8.9 8.9	5.91	14.81						
t	9.4 9.5	6.00	15.40						
u									

P.C. see above.

mag			mag		
1	6.2	1.50	7.70		
2	7.3	1.53	8.83		
3	8.0	1.56	9.56		
4	8.9	1.68	10.58		
5	9.8	1.98	11.78		
6					

Series 239

Bell

June 3, 1914

MC 5321		PC	
5		5.30 00	
		5.3 5.3	
6		6.7 00	
		5.7 5.7	
8		6.75 10	
		6.7 6.8	
9		7.2 00	
		7.2 7.2	
10	42	7.4 11	
		7.3 7.5	
11	46	8.0	
12	49	8.3	
13	5.1	8.7	
14	5.3	9.0	
15	5.7	9.3	
16	6.1	9.7	
17	6.2		
18	6.7		
19	6.9		
20	7.2		
23	7.6		
25	8.1		
26	8.5		
	8.6 00		
27	8.8 8.8		
	9.15 10		
28	9.1 9.2		
	9.6 11		
29	9.5 9.7		
	10.00 00		
30	10.0 10.0		

Series 264

YELLOW

Sept 8, 1914

11 45

m 5640

P.C.

Pole Fifth (Yellow Series)

mean Curve Magn.

Sc 1	Sc 2	mean	Diff.	m 5645	P.C.	Diff.	m 5645	mean	Curve Magn.
5 B	7.5	7.5		7.7	7.60	1.1	-1.85	8.2	7.6 7.4 7.50 +2.66 10.16
6 B		8.0							8.1 8.05 0.1 1.07 9.2 8.2 8.1 8.15 2.49 10.64
7 3.1 3.2	3.0	8.5	3.10 1.1 +4.36		8.5	8.50	0.0	1.04	10.2 9.5 9.1 9.30 2.31 11.61
8 4.1 4.2		4.3	4.25 0.1	3.78	3.80	8.05	9.2	9.20	1.17 11.2 9.9 9.9 0 0
9 5.1 5.2 5.15	5.1	5.10	5.12 0.02	3.62	3.56	8.68			ch W 12.2
10	5.3	5.25	5.28 0.03	3.60	3.52	8.80			
11	6.2	6.1	6.15 0.1	3.21	3.20	9.35			
12	6.9	6.7	6.80 1.1	2.78	2.90	9.70			
13	7.4	7.3	7.35 0.1	2.73	2.70	10.05			
14	7.7	7.6	7.65 1.0	2.59	2.60	10.25			
15	8.2	8.0	8.10 1.1	2.54	2.50	10.60			
16	8.7	8.30	8.50 2.2	2.44	2.42	10.92			
17	8.9	8.5	8.70 2.2	2.34	2.38	11.08			
18	9.4	9.10	9.25 1.5	2.31	2.31	11.56			
19	9.7	9.5	9.62 1.3	2.32	2.30	11.92			
20	9								

Series 264

S.W.

YELLOW

Sept 8, 1914

Copied

Card.

Mc 5641

Dy Earth (Yellowstone)

alt - 18

Sul

Sul

Crown Magn.

1 4.8 4.9

+3.63 8.53

9.8 E

2 4.9 5.0

3.61 8.61

3 4.7 4.8

3.66 8.46

4 5.6 5.7 5.55 5.4

3.43 8.98

5 4.3 4.4

3.77 8.17

6 4.2 4.3

3.78 8.08

7

5.9 3.29 9.19

8

5.2 3.54 8.74

9

5.8 3.33 9.13

10

6.9 3.86 9.76

11

5.8 3.33 9.13

12

7.7 2.60 10.30

13

8.1 2.50 10.60

14

7.2 2.75 9.95

15

8.3 2.46 10.76

16

7.7 2.60 10.30

17

8.7 2.38 11.08

18

9.1 2.33 11.43

19

9.5 2.30 11.80

20

9.1 2.33 11.48

21

9.7 2.30 12.00

22

9.7 2.30 12.00

23

9.7 2.30 12.00

24

9.7 2.30 12.00

25

9.7 2.30 12.00

S.W.

Series 264

DeW

YELLOW

Sept 8, 1914

Copied

Card.

MC 5642

log

Smith (yellow screen)

alt

+ .07

Circle Magn.

On edge of film 1

2	5.1 5.2 5.05 ²¹	4.9	+3.59	8.64
3		5.2	3.54	8.74
4		5.0	3.61	8.61
5		5.7	3.38	9.08
6		6.1	3.22	9.32
7		7.2	2.74	9.94
8		8.1	2.50	10.60
9		8.4	2.44	10.84
10		8.5	2.42	10.92
11		9.0	2.82	9.82
12		9.9	2.55	10.45
13		9.1	2.33	11.43
14		8.8	2.37	11.17
15		9.1	2.33	11.43
16	9.25 01 9.2 93 9.55 10		2.32	11.57
17	9.9 98	2	.	.
18	9.57 98 9.60 51	2	.	.
19	9.5 97	2.30	11.90	
20				
21				
22				
23				
24				

clw

Series 264

S.W.

YELLOW

Sept 8, 1914

Copied

Card

MC 5643 B5	Sc1	Sc2	Curve Magn. PC	Curve Magn.	+0.8
1 B			8.0	-1.11	6.89
2 29 3.0			8.1	-1.10	7.60
3 43 4.4			+3.76 8.16	93 -1.17	8.33
4	5.1		3.56 8.66		
5	5.0		3.60 8.60		
6 41 4.2			3.81 8.01		
7	6.1		3.22 9.32		
8	4.9		3.64 8.54		
9	5.8		3.34 9.14		
10	6.8		2.90 9.70		
10a	7.4		2.69 10.09		
11	4.9 5.0		3.62 8.57		
12	7.1		2.78 9.88		
13	7.7		2.60 10.30		
14	7.9		2.55 10.45		
15	8.0		2.53 10.53		
16	7.7		2.60 10.30		
17a	7.9		2.55 10.45		
17b	8.0 7.7		2.53 2.32 10.53 11.52		
18	8.8		2.37 11.17		
19	9.3		2.31 11.61		
20	9.5		2.31 11.81		
21	9.8		2.30 12.10		
22	9.9		2		
23	3				
24	9.8		2.30 12.10?		

clw

Series 264

Se W

YELLOW

Sept 8, 1914

Copied

Card.

MC 5644		S ₂₂ Smith (yellow)		alt + .5	
S ₂₁		Curve Magn.		PC Curve Magn.	
1	B ₂			75	-1.13 6.37
2	B			77	-1.12 6.58
3	B			75	-1.13 6.37
On edge of film 4					
Mean " " 5				89	-1.11 7.79
" " " 6				92	-1.14 8.06
7a 2.9 3.0				82	-1.10 7.10
8a 4.7 4.8 4.85		4.9	+ 3.64 8.49	85	-1.17 7.40 ^{8.33}
9		5.2	3.54 8.74		
10		5.3	3.51 8.81		
11		6.1	3.21 9.31		
12		6.3	3.12 9.42		
13		5.95 6.0	3.28 9.23		
14		7.2	2.75 9.95		
15		7.4	2.69 10.09		
16		7.4	2.69 10.09		
17		7.1	2.78 9.88		
18		9.1	2.33 11.43		
19		9.13	2.33 11.43?		
20		8.8	2.37 11.17		
21		9.2	2.32 11.52		
21a		8.8	2.37 11.17		
21b		9.1	2.33 11.43		
22		9.3	2.31 11.61		
23		8			

Remeas. by dd
P.C. July 1, 1917.

7a 8.5 8.6 meas. by O.
8a 7.9.5. Wrong unit
in prev. meas. of 8a.
Prev. meas. of 7a evidently
meas. too bit. Discrepancy due
to accidental error of meas.

d.w.

Series 264

New

YELLOW

Sept 8, 1914

MC 5645 Pole Eryth (Yellow)

5 B	7.7	882	4.2
6	8.1	90	5.9
7 2.9 3.0	8.5	105	4.3
8 4.2 4.3	9.2	115	6.1
9 5.1 5.2 5.10 12			
10 5.2 5.3 5.25 10			
11	6.1		
12	6.7		
13	7.3		
14	7.6		
15	8.0		
16	8.20 8.3		
17	8.5		
18	9.10 11		
19	9.0 9.2		
20	9.5		
21 B	7.5		
30 3.0 3.1	8.2		
40 4.2 4.3			
50	4.7		
60	5.9		
70	6.45 1.2		
80	6.8 6.6		
90	7.4		
100	8.1		
110	9.1		
120	9.9		
130	6.7		
140	6.9		

Series 286

Sept 14, 1914

Soll

1	30	MC 5857	Obs					
		Sc1	Sc2	mc	P.49	P.49	mean	diff.
5				5862	5.7	5.3	5.50 2.2	+0.99
6				P.49	6.1	5.7	5.90 2.2	1.21
8					6.7	6.1	6.70 0.0	1.53
9					7.3	7.3	7.30 0.0	1.53
10	43			4.2 4.25 10 + 4.77	7.7	7.5	7.60 1.1	1.42
11	47			4.7 4.70 0.0 + 4.81	8.1	8.2	8.15 1.0	1.40
12		5.2		4.90 5.05 15 + 4.81	8.5	8.5	8.50 0.0	1.36
13		5.4		5.2 5.30 1.1 5.00	8.9	9.0	8.95 1.0	1.35
14		5.7		5.4 5.55 1.2 5.10	9.1	9.30	9.20 1.0 1.0	1.45
15		6.0		5.8 5.90 1.1 5.18	9.5	9.75	9.65 1.0 1.0	1.43
16		6.3		6.2 6.25 1.0 5.15	9.9		9.90 0.0	1.50
17		6.4		6.5 6.45 0.1 5.18			ch W	
18		7.1		6.9 7.00 1.1 5.06				
19		7.3		7.2 7.25 1.0 5.17				
20		7.5		7.5 7.50 0.0 5.23				
21								
22								
23		8.0		7.9 7.95 0.1 5.39				
24								
25		8.4		8.5 8.45 0.1 5.42				
26		8.9		8.95 8.92 0.2 5.41				
27		9.2		9.20 9.2 9.25 9.22 0.2 5.41				
28		9.5		9.60 9.5 9.85 9.72 1.2 5.39				
29		9.7						
							ch W	

Series 286

Bell

Sept 14, 1914

Card.

Mc 5858	209 + 49	8c	alt. + 18	Pallas
	curve magn.		magn.	
1 29	.	59	1.22	7.12
2 40	.	67	1.43	8.13
3 43	4.78 9.08	75	1.46	8.96
4 43	4.78 9.08	77	1.44	9.14
5 48 4.85 01 49	4.87 9.72	82	1.40	9.60
6	5.1 4.91 10.01	85	1.40	9.90
7	5.7 5.01 10.71	98 915° ±	91 1.42	10.57
8	5.9 5.05 10.95			ch W
9	6.3 5.12 11.42			
10	6.8 5.18 11.98			
11	7.1 5.22 11.32			
12	7.4 5.26 12.66			
13	7.7 5.29 12.99			
14	7.9 5.31 13.21			
15	8.2 5.34 13.54			
16	8.3 5.36 13.66			
17	8.7 5.39 14.09			
18	8.9 5.40 14.35			
19	9.2 5.42 14.57			
20	9.7 5.45 15.05			
	ch W			

Series 286

Bell

Sept 14, 1914 copied

Cards

MC 5859 87 K Too poor									
MC 5860 64 K									
	Sc1	Sc2			pc	ult. mag			
1	39				6.3	6.5	6.40 ± 1	1.36	7.76
2	42				7.3	7.2	7.25 ± 0	1.46	8.71
3	43		4.78	9.08	7.6		7.6 ±	1.44	9.04
4		49	4.88	9.18	8.7		8.7 ±	1.40	10.10
5		54	4.97	10.37	-8.1	Imp. pup?			
6		59	5.05	10.95	9.9	9.8	9.85 ± 0	1.50	11.35
7		63	5.12	11.42					
8		71	5.22	12.32					
9		75	5.28	12.78					
10		80	5.32	13.32					
11		82	5.35	13.55					
12		85	5.38	13.88					
13		89 ^{50.1}	5.40	14.35					
14		98 ^{2.1}	5.45	15.10					
15		99 ⁵⁰	5.48	15.38					

Series 286

Bell

Sept 14, 1914

Copied

Card.

MC 5861 88 K				Pe	at 17	
	Sc 1	Sc 2	curr magn.			
1	29			53	1.00	6.30
2	29			63	6.5	6.40 ± 1 1.36 7.76
3	42			73	7.1	7.20 ± 1 1.46 8.66
4	44		4.79 9.19	77	7.8	7.75 ± 0 1.44 9.19
5		52	4.93 10.13	91	8.9	9.00 ± 1 1.41 10.41
6		53	4.95 10.25			ch 14
7		58	5.03 10.83			
8		63	5.12 11.42			
9		63	5.12 11.42			
10		71	5.22 12.32			
11		73	5.25 12.55			
12		77	5.29 12.99			
13		82	5.35 13.55			
14		85	5.38 13.88			
15		87	5.39 14.09			
16a		89	(5.40 14.30)			
17a		93	(5.45 15.05)			
18a		98	(5.47 15.27)			

ch W

Nos. 16, 17a, 18a are outside the square for this region.
 New stars 16, 17, 18 have been selected and measured on
 MC 5861. See O'R Book 8, 103.

Series 286

bell

Sept 14, 1914

MC 5862	Pole	PC
5		5.3
6		5.7
8		6.7
9		7.3
10 4.7		7.5
11 4.7		8.2
12 4.9	4.9 4.90 00	8.5
13	5.2	9.0 9.0 9.00 00
14	5.4	9.3 9.3 9.30 00
15	5.8	9.7 9.8 9.75 10
16	6.2	ch W
17	6.5	
18	6.9	
19	7.2	
20	7.5	
23	7.9	
25	8.5	
26	9.0 8.9 8.95 01	
27	9.3 9.2 9.25 10	
28	9.8 9.9 9.85 01	
	ch W	

2 56

Interrupted 10 m.

Series 286

Bell

Sept 15, 1914

12	55	Me 5862	Pole	ms 5868	8c	Q56	mean	diff.
		5c1	5c2	P.56			45.30 00	
Diff.	5	10			5.3	5.3		+1.19
	6				5.8	5.7	5.75 01	+1.36
	8				6.8	6.7	6.75 01	1.48
	9				7.3	7.3	7.30 00	1.53
+4.77	10	4.3		4.2 4.25 10	7.6	7.5	7.55 01	1.47
4.85	11	4.7		4.7 4.70 00	8.2	8.2	8.20 00	1.35
4.86	12	5.0		5.0 5.00 00	8.7	8.6	8.65 10	1.21
5.00	13	5.3	5.30	5.3 5.30 00	9.1	9.0	9.02 03 02	1.28
5.00	14		5.6	5.7 5.65 01	9.3	9.3	9.30 00 00	1.35
5.13	15		5.9	6.0 5.95 10	9.8	9.7	9.75 00 00	1.33
5.15	16		6.2	6.3 6.25 01				ch W
5.18	17		6.4	6.5 6.45 01				
5.16	18		6.9	6.9 6.90 00				
5.212	19		7.2	7.2 7.20 00				
5.28	20		7.4	7.5 7.45 01				
5.34	23		8.0	8.0 8.00 00				
5.42	25		8.5	8.4 8.45 10				
5.41	26		8.9	8.9 8.92 03 02				
5.37	27		9.3	9.3 9.32 03 02				
5.33	28		9.7	9.7 9.78 02 03				
				ch W				

Series 286

Bell

Sept-15, 1914

Leopold

Card

ME 5863		D 11		PC		Curve mag.		Curve mag.		Card	
1	3.7	5.1	5.2	5.9	1.35	7.25	30	7.3	5.28	12.58	
2	3.9			6.3	1.42	7.11	31	7.9	5.33	13.23	
3	4.1			6.3	1.41	7.11	32	7.8	5.32	13.12	
4	3.9			6.3	1.41	7.11	33	8.0	5.35	13.35	
5	4.1			6.60 1.65	1.44	8.04	34	8.2	5.37	13.57	
6	4.1			6.2	1.40	7.60	35	8.3	5.37	13.67	
7	4.0			6.6	1.44	8.04	36	8.3	5.37	13.67	
8	3.9			6.4	1.42	7.82	37	8.8	5.38	14.18	
9	4.2		4.77 8.97	7.1	1.47	8.57	38	8.9	5.37	14.27	
10	4.3		4.78 9.08	7.3	1.46	8.76	39	9.05 9.10	5.37	14.42	
11	4.3		4.78 9.08	7.3	1.46	8.76	40	9.50 9.55	5.36	14.86	
12	4.3		4.78 9.08	7.3	1.46	8.76	41	9.70 9.75	5.35	15.05	
13	4.6		4.82 9.42	8.0	1.38	9.38					ch W
14	4.8	4.80 0.0	4.8 4.86 9.66	8.3	1.34	9.64					
15	5.0	5.05 0.1	5.1 4.90 9.95	8.7	1.32	10.02					
16		5.2	4.93 10.13	8.7	1.32	10.02					
17		5.3	4.95 10.25	8.9	1.31	10.21					
18		5.3	4.95 10.25	8.9	1.31	10.21					
19		5.3	4.95 10.25	9.0	1.31	10.31					
20		5.6	5.00 10.60	9.2 9.20 0.0	1.31	10.51					
21		5.6	5.00 10.60	9.3 9.40 1.1	1.32	10.72					
22		5.8	5.03 10.83	9.7 9.5 1.0	1.34	11.09					
23		5.7	5.01 10.71								ch W
24		5.7	5.01 10.71								
25		6.0	5.08 11.08								
26		6.2	5.10 11.30								
27		6.3	5.12 11.42								
28		6.7	5.17 11.87								
29		6.9	5.19 12.09								

No marked chart of this region

Bell

Series 286

Sept 15, 1914

copied

Card.

ME 5864		bell		8c		Oct + 11			
Se1	Se2	curr mag.							
1 3.1				5.2	1.24	6.44		30 8.2	curr 5.37 13.57
2 3.2				5.3	1.26	6.56		31 8.6	5.38 13.98
3 3.6				6.1 ^{6.00 1.1} 5.9	1.37	7.37		32 8.7	5.38 14.08
4 3.8				6.2	1.40	7.60		33	Par in
5 4.0				6.1	1.39	7.49		34 9.5 ^{9.60 1.1} 9.7	5.36 14.96
6 3.9				6.4 ^{6.30 1.1} 6.2	1.41	7.71		35	F
7 4.1				6.9	1.46	8.36			ch W
8 4.1				7.1	1.47	8.57			
9 4.3		4.78	9.08	7.7	1.42	9.12			
10 4.3		4.78	9.08	7.8	1.40	9.20			
11 4.7		4.85	9.55	8.3	1.35	9.65			
12 4.7		4.85	9.55	8.5	1.33	9.83			
13 4.8 4.85 0.1	4.9	4.88	9.73	8.1	1.37	9.47			
14	4.9	4.88	9.78	8.3	1.34	9.64			
15	5.2	4.94	10.14	9.1 ^{9.05 1.0} 9.0	1.31	10.36			
16	5.6	5.01	10.61						ch W
17	5.4	4.99	10.39						
18	5.7	5.03	10.73						
19	5.9	5.07	10.97						
20	6.0	5.08	11.48						
21	6.3	5.13	11.43						
22	6.3	5.13	11.43						
23	6.3	5.13	11.43						
24	6.7	5.19	11.89						
25	7.0	5.23	12.23						
26	7.3	5.28	12.58						
27	7.7	5.32	13.02						
28	7.9	5.33	13.23						
29	7.8	5.33	13.13						

Images clamped -

Series 286

Bell

Sept 15, 1914 copied

Card.

me 5865		21.00 ± 2.5		alt 1.20	
sc1	sc2	curr	magn.	pc	
01	3.6	.	6.1	1.38	7.48
2= 02	4.0	.	6.7	1.44	8.14
3= 03	4.2	4.77	8.97	7.0	1.48 8.48
4= 04	4.6	4.83	9.43	8.1	1.37 9.41
05	4.7	4.85	9.55	8.3	1.34 9.64
06	5.0 5.05 0.1	5.1	4.91	9.96	Defective
07	5.4 5.35 0.1	5.3	4.98	10.33	F ch W
08		5.6	5.01	10.61	
09		6.1	5.10	11.20	
10		6.3	5.13	11.43	
11		6.2	5.11	11.31	
12		6.4	5.14	11.54	
11= 013		6.8	5.20	12.00	
14= 014		7.2	5.26	12.46	
15= 015		7.5	5.30	12.80	
016		8.5	5.38	13.88	
017		8.9	5.37	14.27	
018		9.3 ^{30.00} 9.3	5.37	14.67	
019		9.5 ^{50.00} 9.5	5.36	14.86	
020		9.8 ^{85.10} 9.8	5.34	15.19	
			ch W		

Plate poor; images elongated.

Series 286

Bell

Sept 15, 1914

log filed.

Card

Mc 5866		baird 21		ou + 39.5		alt + 22	
1	5.1 2.1	5.2		5.2	1.24	6.44	
2	3.3			5.3	1.26	6.56	
3	3.3			5.9	1.35	7.25	
4	3.7			6.1	1.39	7.49	
5	4.1			6.8	1.47	8.27	
6	4.2	4.77	8.97	7.1	1.47	8.57	
7	4.7	4.7	4.85	9.55	8.1	1.37	9.47
8		4.8	4.89	9.67	8.3	1.34	9.64
9		5.3	4.97	10.27	3		
10		5.7	5.03	10.73		ch W	
11		6.1	5.10	11.20			
12		6.1	5.10	11.20			
13		6.7	5.18	11.88			
14		7.0	5.23	12.23			
15		7.7	5.31	13.01			
16		7.9	5.33	13.23			
17		8.7	5.38	14.08			
18		8.9	5.38	14.28			
19		9.25 9.2	5.37	14.62			
20		9.75 9.7	5.35	15.10			
			ch W				

Poor Plate images elongated

Series 286

Bell

Sept 15 1914

begin

Card.

Mc 5867

502

Nephele

248

pc

Off plate

a

b 10

c

d 10

e 32

Dbl.

f 38
50

g 40

g' 39

h 41

k 43

k' 43

k'' 47

l 47

m 48 480 00 48

n

o

o'

p

q

q'

r

r'

r''

s

t

u

v

x

y

z

48

5.1

1.22

6.32

5.7

1.31

7.01

6.2

1.40

7.60

8.1

1.37

7.47

7.2

1.46

8.66

6.1

1.38

7.48?

7.1

1.47

8.57

7.9

1.39

9.29

8.3

1.34

9.64

8.3

1.34

9.64

8.3

1.34

9.64

8.3

1.34

9.64

10.02

10.14

11.20

11.31

11.43

10.97

11.89

12.34

12.58

13.02

13.46

13.88

14.38

14.67

15.10

15.10

15.10

15.10

15.10

15.10

P.C.

Rec. 8.7.11.

f { 8.7
6.7 6.7

g 7.1 6.9

h 6.9 7.0

k 8.1

Remeasured March 8, 1916

First meas of f - too low

g probably out by a unit

E.T.S.

ch W

56

Bell

Series 286
Sept 15, 1914

ME 5868	Bell	pc
5 B	5.1	5.3
6		5.7
8		6.7
9		7.3
10 4.2		7.5
11 4.7		8.2
12	5.0	8.6
13	5.3	9.0
14	5.7	9.3 9.3 9.30 0.0
15	6.0	9.8 9.7 9.75 0.1
16	6.3	ch W
17	6.5	
18	6.9	
19	7.2	
20	7.5	
23	8.0	
25	8.4	
26	8.9	
27	9.3 9.3 9.30 0.0	
28	9.8 9.7 9.75 0.1	
	ch W	

3

20

Pan Series

Simplified - 10 m -

Series 293

Soll

Sept 18, 1914

Mb 5932		Pole		P.e	P.61	mean	diff.			
ser1	ser2	5937	P.61							
5	P.			5.3	5.3	5.30 00	1.19			
6	3+			5.8	5.8	5.80 00	1.31			
8				6.8	6.9	6.85 01	1.38			
9			mean. Diff.	7.5	7.3	7.40 11	1.43			
10	42		4.3 4.25 01 + 4.77	7.7	7.5	7.60 11	1.421			
11	48	4.15 01	4.7	4.8	4.78 03 02	4.77	8.2	8.0	8.10 11	1.45
12		5.0	5.05 5.02 02 03	4.84	8.6	8.5	8.55 01			1.31
13		5.3	5.50 5.40 10 10	4.90	9.05 01	9.0	9.02 03 02			1.28
14		5.6	5.7 5.65 01	5.00	9.4 9.4	9.30	9.35 05 05			1.30
15		5.9	6.0 5.95 10	5.13	9.7 9.8	9.60	9.68 07 08			1.40
16		6.2	6.3 6.25 01	5.15						ch W
17		6.5	6.5 6.50 00	5.13						
18		6.9	7.0 6.95 10	5.11						
19		7.2	7.2 7.20 00	5.22						
20		7.5	7.5 7.50 00	5.23						
23		8.0	8.0 8.00 00	5.34						
25		8.5	8.4 8.45 10	5.42						
26		8.8	8.8 8.80 00	5.53						
27		9.25 01	9.7 9.3 9.25 9.25 00 00	5.44						
28		9.15 10	9.7 9.4 9.50 9.62 13 12	5.49						
29		10.0?	9.9 9.95 05 05	5.71						
ch W										

ch W

Series 293

Sc II

Sept 18, 1914 copied

Card.

No 5935 114 K		22 37 + 0.2		Curve Magn.		Curve Magn.	
1	Sc I	Sc II	Curve Magn.	P.C.	Curve Magn.	Curve Magn.	
1	32		.	5.4	1.23	6.63	
2	33		.	5.8	1.28	7.08	
3	42		4.77	8.97 7.1	1.40	8.50	
4	43		4.80	9.10 7.8	1.40	8.20	
5		5.1	4.92	10.02 8.8	1.37	10.17	
6		5.4	4.98	10.38 8.9 9.0	8.95 ¹⁰	1.35	10.30
7		5.7	5.02	10.72 9.4 9.2	9.35 ¹⁰	1.33	10.68
8		6.1	5.08	11.18		ch W	
9		6.8	5.18	11.98			
10		6.7	5.16	11.86			
11		7.1	5.23	12.33			
12		7.8	5.23	13.13			
13		8.1	5.38	13.48			
14		8.5	5.43	13.93			
15		8.8	5.47	14.28			
16		9.0	5.49	14.49			
17		9.5 9.4	5.55	15.00			
				ch W			

*Star measured.
was not the No 9
of the sequence

Added on
this plate

Bell

Series 293

Sept 18, 1914

Copied

Card

MC 5936 67K		23 U + 30 2		alt + 200	
ser1	ser2	Curve	Magn. PC	Curve	Magn.
1 3.8			6.2	1.31	7.51
2 4.3		4.80	9.10 7.5	1.40	8.90
3 5.1	4.9	5.00	4.90 9.90 8.3	1.39	9.69
4	4.9	4.89	9.79 8.5	1.38	9.88
5	5.4	4.97	10.37 9.4 9.3	1.34	10.69
6	5.7	5.02	10.72 9.7 9.7	1.33	11.03
7	6.3	5.11	11.41		ch W
8	6.8	5.18	11.98		
9	6.9	5.20	12.10		
10	7.1	5.24	12.34		
11	7.6	5.30	12.90		
12	7.7	5.33	13.03		
13	8.1	5.38	13.48		
14	8.5	5.43	13.93		
15	8.8	5.47	14.27		
16	9.0	5.49	14.49		
17	9.3	5.53	14.83		
18	9.7	5.57	15.17		
			ch W		

Series 293

bell

Sept 18, 1914

	Me 5937	Pole	pc
5	ser1 ser2		5.3
6			5.8
8			6.9
9			7.3
10	43		7.5
11	48		8.0
12	50 5.0501	5.1	8.5
13	5.50 11	5.6 5.4	9.0
14		5.7	9.3 9.3 9.30 00
15		6.0	9.5 9.7 9.60 11
16		6.3	st Sup.
17		6.5	
18		7.0	
19		7.2	
20		7.5	
23		8.0	
25		8.4	
26		8.8	
27		9.2 9.3 9.25 01	
28		9.5 9.5 9.50 00	
29		9.9 9.9 9.90 00	

2

ab

Series 299

Sc U

Sept 25, 1914

Lefield.

Cards

No	Mb	6002	104 K	alt. 14		Curve Magn.	PC	Curve	Magn.
1	32	501	812				67	+1.07	7.27
2	39						70	1.04	8.04
3	43					+4.80	9.10	1.02	8.52
4	47					4.93	9.63	0.99	9.09
5	49					4.80	4.95	0.98	9.48
6	52			4.7	4.80	4.95	9.75	0.98	9.48
7				5.3	5.25	5.05	10.30	0.95	9.85
8				5.7	5.14	10.84	9.5	0.90	10.50
9				5.9	5.17	11.07	9.7		ch W
10				6.3	5.2	11.52			
11				6.2	5.40	11.40			
12				6.4	5.73	11.63			
13				7.1	5.78	12.38			
14				7.2	5.79	12.49			
15				7.4	5.30	12.70			
16				8.1	5.30	13.40			
17				8.4	5.28	13.68			
18				8.8	5.25	14.05			
19				9.0	5.24	14.24			
20				9.5	5.21	14.71			
				9.8	5.20	14.95			

ch W

Series 299

Se 11

Sept 25, 1914

Mc 6002	Pole	pc	mc 6008	mean	Diff
Bel	Se 2		P. 69		
5	10	5.4	5.4	5.40 00	+1.09
6	mc 6008	6.1	6.1	6.10 00	+1.01
8	P. 69	7.1	7.2	7.15 10	1.08
9	mean Diff	7.9	7.9	7.90 00	0.93
10	4.3 4.25 0.1 +4.7781	8.0	8.0	8.05 10	0.97
11	4.7 4.65 0.1 4.8086	8.6	8.6	8.60 00	0.95
12	4.8 5.00 4.90 10 4.9690 89 8.95 0.1	9.0	8.98	8.93 02	0.88
13	5.2 5.3 5.25 0.1 5.2593 92 9.25 1.0	9.50	9.38	13 12	0.92
14	5.4 5.6 5.50 1.1 5.1597 98 9.75 1.0	9.85	9.80	05 05	0.85
15	5.8 6.0 5.90 1.1 5.18				ch W
16	6.1 6.3 6.20 1.1 5.20				
17	6.3 6.5 6.40 1.1 5.23				
18	6.7 7.1 6.9 2.2 5.36				
19	7.0 7.3 7.15 1.1 5.27				
20	7.3 7.5 7.40 1.1 5.33				
23	7.9 8.1 8.00 1.1 5.34				
25	8.5 8.50 0.0 5.37	mean	Diff		
26	9.1 9.2 9.15 1.0	9.15	9.15	00 00	5.18
27	9.4 9.5 9.45 0.1	9.75	9.60	15 15	5.09
28	9.8 9.9 9.85 0.1	9.85	9.85	00 00	5.26

ch W

Series 299

Sept 25, 1914

copied

Card

MC 6004 U Coronae		PC	Alt +15	Curve	Magn.
a	5.1	5.2			
a	3.8			6.2	+1.06 7.26
b	3.8	4.0	3.90	1.1	6.5 1.06 7.56
c	4.1			6.7	1.05 7.75
d	4.1	4.8	4.75 + 4.94	9.69	8.2 0.98 9.18
e	4.3		4.80	9.10	7.9 1.00 8.90
f	4.3		4.80	9.10	7.9 1.00 8.90
g		4.9	4.97	9.87	8.7 0.96 9.66
h		5.3	5.06	10.36	9.1 9.2 0.93 10.08
k		5.5	5.11	10.61	defective
l		5.9	5.17	11.07	ch W
m		6.1	5.20	11.30	
n		6.4	5.23	11.63	
o		6.7	5.25	11.95	
p		7.2	5.29	12.49	
q		7.7	5.30	13.00	
r		8.1	5.29	13.39	
s		8.8	5.25	14.05	
t		9.2	5.23	14.48	
u		9.9	5.20	15.05	

ch W

Series 299

Sept 25, 1914

Cards

Me 6004 Ultraviolet cont.

det. +0.5

	Sec 1	Sec 2	Curve	Magn.	PE	Curve	Magn.
1	4.1				6.7	+1.06	7.76
2	4.3		+4.81	9.11	7.7	1.01	8.71
3	4.4		4.84	9.24	8.0	0.99	8.99
4	5.3	5.4	5.35	5.07	10.42	0.88	10.73
5		5.7	5.14	10.84			
6		6.2	5.20	11.40			
7		6.7	5.25	11.95			
8		7.1	5.28	12.38			
9		7.7	5.30	13.00			
10		7.9	5.30	13.20			
11		8.1	5.30	13.40			
12		8.2	5.29	13.49			
13		8.9	5.24	14.19			
14		9.3	5.22	14.62			
15		9.5	5.21	14.81			

ch W

ch W

Series 299

Bell

Sept 25, 1914

Copied

Card

Me 6005 46 Ks		alt. +0.2			
Se1	Se2	Curve	Magn. PC	Curve	Magn.
1 4.1			7.5	+1.02	8.52
2 4.3		8.0 4.71	9.10 7.7	1.01	8.71
3 5.1	4.9	5.00	5.00 10.00	9.0	0.94 9.94
4	5.6	5.12	10.72		chW
5	6.1	5.19	11.29		
6	6.3	5.23	11.53		
7	6.7	5.25	11.95		
8	7.0	5.27	12.27		
9	7.2	5.29	12.49		
10	7.5	5.30	12.80		
11	7.9	5.30	13.20		
12	8.1	5.29	13.39		
13	8.5	5.27	13.77		
14	8.9	5.24	14.19		
15	9.3	5.22	14.62		
16	9.8	5.20	15.00		

chW

Series 299

Se 11

Sept 25, 1914. *loquid*

& Card

Me 6006 B		10	19-15	pe	Curve	Magn.	Curve	Magn.	Curve	Magn.
Se 1	Se 2	Curve	Magn.	pe	Curve	Magn.	Curve	Magn.	Curve	Magn.
1 34				61	11.07	7.17 30 73	5.30	12.60		
2 37				62	1.07	7.27 31 74	5.30	12.70		
3 39				64	1.06	7.46 32 79	5.30	13.20		
4 3.8				65	1.05	7.55 33 81	5.29	13.39		
5 4.1				69	1.04	7.94 34 83	5.29	13.59		
6 4.0				69	1.04	7.94 35 83	5.29	13.59		
7 4.1				71	1.03	8.13 36 85	5.27	13.77		
8 4.2		4.77	8.97	74	1.02	8.42 37 90	5.24	14.24		
9 4.3		4.80	9.10	79	1.00	8.90 38 93	5.22	14.57		
10 4.2		4.77	8.97	72	1.03	8.23 39 97	5.20	14.90		
11 4.3		4.80	9.10	80 7.9	1.00	8.90 40 98	5.20	15.00		
12 4.3		4.80	9.10	81	0.99	9.09			ch W	
13 4.3		4.80	9.10	82	0.98	9.18				
14 4.7	1.0 4.75	4.9	4.94	85	0.97	9.47				
15		5.7	5.14	90	0.94	9.94				
16		5.3	5.06	10.36	0.93	10.13				
17		5.5	5.10	10.60	0.92	10.40?				
18		5.4	5.07	10.47	0.90	10.40				
19		5.7	5.14	10.84	0.89	10.59				
20		6.1	5.19	11.29		ch W				
21		5.9	5.17	11.07						
22		6.1	5.19	11.29						
23		6.0	5.18	11.18						
24		6.1	5.19	11.29						
25		7.0	5.27	12.27						
26	* 6	7.3	5.32	12.60						
27		6.3	5.22	11.52						
28		6.7	5.24	11.94						
29		6.9	5.26	12.16						

Dec. 23, 1914. Remeasures.

26 6.3 * Assume a mistake of unit in previous measure

27 6.3

Series 299

Sept 25, 1914

Leopold

Card

Bell

Mc 6007 C 10 19 + 15

	Curve	magn.	pc	Curve	magn.
1 30	5.1	5.9	+1.07	6.97	
2 33		6.1	1.07	7.17	
3 36		6.3	1.06	7.36	
4 38		6.7	1.05	7.75	
5 42	+ 4.76	8.96	7.1	1.04	8.14

Bell

6							
7	42		4.76	8.96	7.1	1.04	8.14
8	43		4.80	9.10	7.3	1.00	8.80
9	46		4.90	9.50	8.2	0.99	9.19
10	47	4.7	4.70	4.93	9.63	8.7	8.5
11		5.0	5.00	10.00	8.9	0.95	9.85
12		5.3	5.06	10.36	9.4	9.5	0.91
13		5.8	5.15	10.95	9.8	9.7	0.89
14		6.1	5.19	11.29			
15		6.1	5.19	11.29			ch W
16		6.4	5.23	11.63			
17		6.7	5.25	11.95			
18		7.1	5.28	12.38			
19		7.1	5.30	13.00			
20		8.0	5.30	13.30			
21		8.1	5.30	13.40			
22		8.5	5.28	13.78			
23		8.5	5.28	13.78			
24		8.8	5.25	14.05			
25		9.2	5.23	14.43			
26		9.7	9.5	5.20	14.80		
27		9.8	9.9	5.20	15.05		
28		9.9	9.9				
29							ch W

Series 299

Sept. 25, 1914

Bell

Me 6008 Bole

	Sc1	Sc2	Ac
5			54
6			61
8			72
9			79
10	43		80
11	47		86
12	50	5.0 5.00 00	90
13		53	95 95 9.50 00
14		56	99 99 9.85 10
15		60	
16		63	
17		65	
18		71	
19		73	
20		75	
23		81	
25		85	
26		91 92 9.15 10	
27		97 98 9.75 10	
28			

12 46

Series 299

Sept-29, 1914

10	50	The 6008 Bole.		P.C.	mc 6013	mean	Diff.
		Sec 1	Sec 2	mc 6013	P.76	6.1	5.85 25 25 + 0.84
5				P.76	5.6		
6					6.1	6.5	6.30 25 25 0.81
8				mean Diff.	7.1	7.5	7.30 25 25 0.93
9				8.0		7.9	7.95 25 25 0.87
10	4.3			4.3 4.30 4.30 4.30 4.30	8.1	8.2	8.15 25 25 0.87
11	4.7			4.9 4.80 4.80 4.80 4.80	8.7	8.7	8.70 25 25 0.85
12				5.0 5.3 5.15 5.15 5.15	9.0	9.1	9.05 25 25 0.81
13				5.3 5.70 5.50 5.50 5.50	9.5	9.5	9.50 25 25 0.80
14				5.5 6.0 5.75 5.75 5.75	9.8	9.8	9.80 25 25 0.85
15				6.0 6.3 6.15 6.15 6.15			
16				6.3 6.7 6.50 6.50 6.50			ch W
17				6.6 6.9 6.75 6.75 6.75			
18				7.1 7.3 7.20 7.20 7.20			
19				7.3 7.7 7.50 7.50 7.50			
20				7.5 8.0 7.75 7.75 7.75			
23				8.0 8.4 8.20 8.20 8.20			
25				8.5 8.9 8.70 8.70 8.70			
26				9.0 9.1 9.40 9.22 9.18	5.11		
27				9.5 9.7 9.75 9.68 9.67	5.01		
28				9.8 9.9 9.90 9.88 9.82	5.23		
29							

ch W

Sell

Series 299

Sept. 29, 1914 copied

Card.

MC 6009		Card in Ciel		19 00 + 39.5		alt + 512	
1	Se 1	Se 2	Curve	Magn	pc	Curve	Magn
1	B				53	4.77	
2	3.2				6.2	4.86 + 0.74	6.94
3	3.6				6.5	4.89	0.81 7.31
4	4.1				7.1	4.96	0.87 7.97
5	4.2		+ 4.67	8.87	7.2	4.96	0.88 8.08
6	4.3		4.68	8.98	7.60 12 7.5	5.00	0.88 8.48
7	4.7		4.73	9.43	8.1	5.03	0.89 8.99
8	4.9		4.75	9.65	8.3	5.04	0.87 9.17
9	5.3	5.2	4.77	10.02	9.1	5.08	0.83 9.93
10		5.7	4.81	10.51	9.8	5.10	0.84 10.59
11		5.9	4.83	10.73			ch W
12		6.2	4.86	11.06			
13		6.5	4.89	11.39			
14		6.5	4.89	11.39			
15		6.7	4.92	11.62			
16		7.0	4.95	11.95			
17		7.7	5.01	12.71			
18		7.9	5.02	12.92			
19		8.2	5.04	13.24			
20		9.25 9.3	5.08	14.33			

ch W

Series 299

be u

Sept 29, 1914

logged

Card

MC 6010 87 K

alt +16

	Sec 1	Sec 2	Curve	magn.	PC	Curve	magn.
1	42		+4.77	8.87	8.0	+0.89	8.89
2	43		4.78	8.98	8.2	0.88	9.08
3	50	57	4.77	10.02	9.1	0.83	9.93
4		58	4.82	10.62	9.8	0.84	10.64
5		58	4.82	10.62	9.8	0.85	10.70
6		62	4.86	11.06			
7		65	4.89	11.39			
8		68	4.93	11.73			
9		72	4.96	12.16			
10		77	5.00	12.70			
11		77	5.00	12.70			
12		81	5.04	13.14			
13		83	5.05	13.35			
14		88	5.07	13.87			
15		92	5.08	14.33			

ch W

Images elongated - not comp. with scale

Sell
 Series 299
 Sept-29, 1914
 Capet
 Card

	MC 6011	ser	Curve	magn.	pe	Curve	magn.
1	36				69	+ 0.85	7.75
2	46		4.72	9.32	82	0.88	9.08
3	46		4.72	9.32	83	0.87	9.17
4	49		4.74	9.64	87	0.85	9.55
5	50	5.1	4.75	9.80	9.1	0.83	9.93
6		5.3	4.77	10.07	9.4	0.83	10.28
7		6.1	4.84	10.94			ch W.
8		6.1	4.84	10.94			
9		6.5	4.89	11.39			
10		6.9	4.94	11.84			
11		7.2	4.97	12.17			
12		7.5	4.99	12.49			
13		8.0	5.03	13.03			
14		8.1	5.03	13.13			
15		8.5	5.06	13.56			
16		8.8	5.07	13.87			
17		9.0	5.08	14.08			
18		9.2	5.08	14.23			
19		9.3	5.09	14.39			
20		9.8	5.10	14.85			

ch W

Series 299

Soll

Sept. 29, 1914

hopfield

Card.

	Me 6011	Nov 10	Curve	Magn.	pc	Curve	Magn.
a	33				5.8	+0.64	6.44
b	36		4.72	9.32	80	0.89	8.89
c	36		4.72	9.32	79	0.89	8.79
d	46		4.72	9.32	80	0.89	8.89
e	47		4.73	9.43	82	0.88	9.08
f	52	5.2	4.77	9.97	89	0.84	9.74
g		5.6	4.80	10.40	95	0.84	10.34
h		5.8	4.82	10.62	95	0.84	10.59
i		6.2	4.86	11.06			ch W
j		6.3	4.87	11.17			
k		6.3	4.87	11.17			
l		6.8	4.93	11.73			
m		6.9	4.94	11.84			
n		7.1	4.96	12.06			
o		7.7	5.01	12.71			
p		8.0	5.03	13.03			
q		8.2	5.04	13.24			
r		8.7	5.07	13.77			
s		9.0	5.08	14.08			
t		9.2	5.08	14.33			
u							ch W

Series 299

Sept 29, 1914 *begin*

Cards

	Mc 6012 Ser 1	B bygnie Ser 2	19 30 + 50 Curve Magn.	Curve Magn.	
off plate	a				
	b		53		
	c 38		64	+0.79	7.19
	d 38		64	+0.79	7.19
On edge of pl.	e 38		61	0.73	6.83
	f 43		+4.68 8.98 73	0.88	8.18
	g 41		71	0.87	7.97
	h 43		4.68 8.98 73	0.88	8.18
	i 43		4.68 8.98 73	0.88	8.18
	l 46		4.71 9.31 81	0.88	8.98
	m 48		4.74 9.54 85	0.86	9.36
	n 53	5.3 ^{5.30}	4.78 10.08 ^{9.40 11} 93.95	0.83	10.23
	o	5.4	4.78 10.18 ^{9.60 11} 95 97	0.83	10.43
	p	5.4	4.78 10.18 ^{9.80 11} 98 9.8	0.84	10.64
	q	6.1	4.85 10.95		ch W
	r	5.9	4.83 10.73		
	s	6.7	4.92 11.62		
	t	7.1	4.96 12.06		
	u	7.3	4.97 12.27		
	v	6.8	4.92 11.72		
	x	7.7	5.01 12.71		
	y	8.2	5.04 13.24		
	z	8.9	5.08 13.98		
	a	^{9.40 11} 93 95 5.09	14.49		ch W

~~Not marked~~

76

Series 299

Bell

Sept 29, 1914

Mc 6013 Pole

5 Ser

Ser

pe

5

6.1

6

6.5

8

7.5

9

7.9

10 4.3

8.2

11 4.9

8.7

12 5.3

9.1

13 5.7

5.7 5.70 00

9.5 9.5 9.50 00

14

6.0

9.8 9.8 9.80 00

15

6.3

16

6.7

17

6.9

18

7.3

19

7.7

20

8.0

23

8.4

25

8.9

26

9.3 9.5 9.40 11

27

9.7 9.8 9.75 10

28

9.9 9.9 9.90 00

12 30

Series 301

Bell

Oct 2, 1914

10	30	5	M2628 Pole		PC	m.c. 6033 mean diff			Diff. (Stairways)
			Se1	Se2		5.8	5.95	1.2 + 0.54	
					m.c. 6033				
		6			P. 81	6.5	6.2	6.35 1.2 0.76	
		8			mean	7.7	7.5	7.60 1.1 0.63	
		9				8.5	8.2	8.35 1.2 0.48	
		10	5.2	5.1 5.15 4.6 4.88 27 38	8.5 8.5 9.0 9.35 9.7	8.5	8.68	7.0 2.0 3.0 2.0 0.34	+4.14
		11		5.7	5.1 5.40 3.3 9.4 9.7	8.95	9.25	3.0 3.0 0.30	4.15
		12		6.0	5.4 5.70 3.3 9.9 9.9	9.30	9.60	3.0 3.0 0.26	4.16
		13		6.4	5.9 6.15 2.3	9.75	9.75	.2 0.55	4.15
		14		6.7	6.2 6.45 3.2	9.95	9.95	.2 0.50	4.20
		15		7.1	6.5 6.80 3.3				4.28
		16		7.4	6.7 7.05 4.3				4.35
		17		7.8	6.9 7.20 3.3				4.43
		18		7.9	7.3 7.60 3.3				4.46
		19		8.1	7.5 7.80 3.3				4.62
		20		8.3 8.4	7.8 8.08 2.7 2.8				4.65
		23		9.1 9.0	8.5 8.78 2.7 2.8				4.56
		25		9.5 9.7	8.95 9.28 3.2 3.3				4.59
		26		9.9 9.9	9.50 9.70 2.0 2.0				4.63
		27			9.85 9.85 .2				4.84

ch W

ch W

78

Ser 301

Ser

Oct 2, 1914 copied

MC 6029		9 Ks		alt + 17	
Se1	Se2	Curve	Magn.	Pe	Curve Magn.
1 3.3				6.3	+ 0.68 6.98
2 4.9	4.7	$4.80 + 4.13$	8.93	9.7 8.7	0.39 9.09
3	5.1	4.13	9.23	9.8 9.7	0.42 10.17
4	6.2	4.18	10.38		ch W
5	6.4	4.21	10.61		
6	7.1	4.38	11.48		
7	8.0	4.58	12.58		
8	8.7	4.63	13.33		
9	9.2	4.65	13.80		
10	9.7	4.65	14.40		
11	9.9	4.66	14.61		
12	ns		ch W		
13	ns				
14	ns				
15	ns				

Plate does not show faint stars.

Series 301

Bell

Oct 2, 1914

MC 6030	22 40-50	Curve	magn.	P.C.	Curve	magn.
So 1	So 2					
1 33		.	.	59	+0.66	6.56
2 43		.	.	80	0.52	8.52
3 43		.	.	82	0.48	8.68
4 47		+4.13	8.83	87 89	0.37	9.17
5 52	5.1	5.15	4.12	92 93	0.36	9.61
6	5.2	4.12	9.32	95 97	0.40	10.00
7	5.7	4.14	9.84			ch W
8	6.4	4.21	10.61			
9	6.6	4.25	10.85			
10	7.1	4.37	11.47			
11	7.5	4.49	11.99			
12	8.0	4.58	12.58			
13	8.5	4.62	13.12			
14	8.7	4.63	13.33			
15	9.0	4.64	13.64			
16	9.0	4.64	13.64			
17	9.2 9.2	4.65	13.85			
18	9.5 9.7	4.65	14.25			
19	9.5 9.7	4.65	14.25			
20	9.9 9.8	4.65	14.50			
						ch W

Series 301

bell

Oct 2, 1914

MC 6031		22 50-7.5		alt - 17	
Sei	Se2	Curve	Magn.	Curve	Magn.
1 38			6.3	+0.68	6.98
2 42			7.4	0.63	8.03
3 42			7.4	0.63	8.03
4 43			7.8	0.56	8.36
5 47	4.6	4.65	8.2	0.48	8.68
6	5.2	4.62	9.32	0.36	9.61
7	5.3	4.62	9.42	0.39	9.84
8	5.3	4.12	9.42	0.43	10.18
9	5.9	6.1	10.16		cl W
10	6.8	4.28	11.08		
11	7.2	4.40	11.60		
12	7.5	4.49	11.99		
13	8.2	4.60	12.80		
14	8.6	4.62	13.22		
15	8.8	4.63	13.43		
16	9.0	4.64	13.64		
17	9.2	4.65	13.85		
18	9.5	4.65	14.25		
19	9.8	4.65	14.45		
20	9.8	4.65	14.45		
			cl W		

Series 301

S. U.

Oct. 2, 1914

Me 6032 Tow. from images along.

Me 6033 Pole

	Sec 1	Sec 2	pc
5			58
6			6.2
8			7.5
9			8.2
10	46		8.5
11		5.1	8.95 0.1 9.0 8.9
12		5.4	9.3 9.3 9.50 0.0
13		5.9	9.8 9.7 9.75 0.1
14		6.2	9.9 10.0 9.95 0.0
15		6.5	
16		6.7	
17		6.9	
18		7.2	
19		7.5	
20		7.8	
23		8.5	
25		9.0 8.9 9.50 0.0	
26		9.5 9.5 9.75 0.1	
27		9.8 9.9	
28			

Series 301

Bell

Oct 2, 1914

lo feed.

me burst		0 00 + 17.5		Too poor			
6035		0 00 + 31.5		Alt + 21		Corte	
Sci	Sci	Curve Magn.		PC		Curve Magn.	
1 4.6				51	+ 0.49	8.59	
2 5.1	5.1	5.10	+ 4.13	9.23	88	0.37	9.19
3	6.2		4.18	10.38			ch W
4	6.4		4.21	10.61			
5	7.6		4.51	12.11			
6	9.8		4.55	12.35			
7	8.7		4.63	13.33			
8	9.3	9.5	4.65	14.05			
9	9.7	9.8	4.65	14.40			
10	9.9	9.9	4.65	14.55			
11	ns						
12	ns						ch W
13	ns						
14	ns						
15	ns						

Plate does not show faint stars

Series 301

Se 11

Oct 2, 1914

copied

	MC 6036	116 K				
	Se 1	Se 2	Curve	Magn.	PC	Curve Magn.
1		54	4.13	9.53	87 960 ii	+0.39 9.69
2		59	4.16	10.06	95 97	0.40 10.00
3		61	4.19	10.27		ch W
4		63	4.20	10.50		
5		73	4.44	11.74		
6		80	4.58	12.58		
7		85	4.62	13.12		
8		91	4.65	13.75		
9		95	4.65	14.15		
10		9	.	ch W		
11		ns				
12		ns				
13		ns				
14		ns				
15		ns				

Plate does not show faint stars

Series 301

Cell

Oct 2, 1914

McC 6037		Anderson		Special beg. in center of 4th microz	
Sec 1	Sec 2	Curve	Magn. pc	Curve	Magn.
1 43			77	+0.58	8.28
2 47		+4.13	8.83	0.45	8.85
3 53	54	5.35	4.13 9.48	0.43	10.23
4	57	4.14	9.84	0.44	10.29
5	62	4.18	10.38		ch W
6	71	4.37	11.47		
7	68	4.28	11.08		
8	82	4.60	12.80		
9	85	4.62	13.12		
10	88	4.63	13.43		
11	92	4.64	13.84		
12	98	4.65	14.45		
13	99	4.65	14.55		
14	2		ch W		
15	ns				
16	ns				
17	ns				
18	ns				
19	ns				
20	ns				

Plate does not show faint stars.

Series 301

Sc II

Oct 2, 1914 copied

me 6037 cont

	Sc 1	Sc 2	Curve	Magn.	PC	Curve	Magn.
a	54		+ 4.13	9.53	9.5	+ 0.39	9.89
b	50		4.13	9.13	8.7	0.39	9.09
c		6.1	4.17	10.27			ch W
d		5.4	4.13	9.53			
off chart? e		6.3	4.20	10.50			
f		5.7	4.14	9.84			
g		6.4	4.21	10.64			
h		6.7	4.27	10.97			
i		7.3	4.44	11.74			
j		7.3	4.44	11.74			
k		7.6	4.51	12.11			
l		7.5	4.49	11.99			
m		7.5	4.49	11.99			
n							
o							
p		8.1	4.59	12.69			
q		8.5	4.62	13.12			
r		8.7	4.63	13.33			
s		8.6	4.62	13.22			
t		8.9	4.64	13.53			
u		9.5	4.65	14.40			
v		9.7	4.65	13.75			
w		9.1	4.65	13.75			ch W

Comp star is omitted for reference

Series 251

Se U

Oct 2, 1914 copied

Mc 6038		S bars		Alt + 21	
Se 1	Se 2	Curve	Magn.	PC	Curve Magn.
a 29				5.3	
b 36				6.4	+0.69 7.09
c 43				7.2	0.65 7.85
c' 46				7.7	0.58 8.28
d	48	+4.13	8.93	8.1	0.49 8.59
d'	52	4.12	9.32	8.7	0.39 9.09
d''	55	4.14	9.64	9.5 9.7	0.40 10.00
e 47	46			7.9	0.55 8.45
f	50	4.13	9.13	8.2	0.48 8.68
g	57	4.14	9.84	9.5 9.7	0.40 10.00
g'	63	4.20	10.50		ch W
g''	65	4.24	10.74		
h	58	4.15	9.95		
i	65	4.24	10.74		
j					
k	67	4.27	10.97		
l	67	4.27	10.97		
m	68	4.28	11.08		
n	71	4.37	11.47		
o	74	4.46	11.86		
p	81	4.59	12.69		
q	77	4.54	12.24		
r	75	4.49	11.99		
s	81	4.59	12.69		
t	83	4.61	12.91		
u	9.05 9.1	4.64	13.69		
v	9.50 9.5	4.65	14.15		
w	9.90 9.9	4.66	14.56		

ch Ar

Series 301

Sc II

Oct 2, 1914

Mc 6038 cont		Ref. disp		Alt + 31	
Sc 1	Sc 2	Curve	Magn	PC	Curve Magn.
1 42				7.45 ai 14 75	+0.62 8.02
2 47	48 ^{2.5} 4.75	4.14	8.89	8.2	0.48 8.68
3	5.1	4.13	9.23	8.7	0.39 9.09
4	5.2	4.12	9.32	8.9	0.37 9.27
5	5.6	4.14	9.74	9.7 ^{9.75 ai}	0.43 10.18
6	6.0	4.17	10.17	8.4	
7	6.3	4.20	10.50	9.8	ch W
8	6.5	4.24	10.74		
9	6.7	4.27	10.97		
10	7.0	4.34	11.34		
11	7.5	4.49	11.99		
12	8.5	4.62	13.12		
13	9.8 ^{9.8000} 9.8	4.65	14.45		
14	9.8 ^{9.8000} 9.8	4.65	14.45		
15	9.8 ^{9.8500} 9.9	4.65	14.50		
16	9		ch W		
17	9				
18	7.8				
19	7.8				
20	7.8				

Mc 6039 Pale. Too poor to measure

Series 315

Dec

Dec-21, 1914

10	25	mc 6195	pc	mc 6200	mean	Diff
		Sc1		p. 93		
	5		5.3	5.3	5.30 00	1.19
	6		6.1	6.1	6.10 00	1.01
	8		7.2	7.1	7.15 01	1.08
	9		7.7	7.7	7.70 00	1.13
Diff.						
4.72	10	4.3	4.3	4.30 00	7.8	7.90 11 1.12
4.80	11	4.8	4.7	4.75 01	8.2	8.25 10 1.30
4.66	12	5.3	5.1	5.20 11	8.5	8.55 01 1.31
4.75	13	5.5	5.6	5.55 10	8.90	8.95 01 1.35
4.80	14	5.8	5.9	5.85 01	9.30 00	9.25 9.28 02 1.37
4.93	15	6.1	6.2	6.15 10	9.60 11	9.50 9.55 05 1.53
4.90	16	6.5	6.5	6.50 00	9.90 00	9.75 9.82 08 1.58
4.98	17	6.7	6.6	6.65 10	9.9	9.90 9.90 00 1.73
4.96	18	7.1	7.1	7.10 00	ch W	
5.12	19	7.3	7.3	7.30 00		
5.23	20	7.5	7.5	7.50 00		
5.34	23	8.1	7.9	8.00 11		
5.47	25	8.5	8.3	8.40 11		
5.58	26	8.8	8.7	8.75 01		
5.64	27	9.10 00	9.1	9.10 00		
5.76	28	9.45 10	9.4	9.45 10		
5.81	29	9.90 00	9.9	9.90 00		
		9.9	9.9	9.80 9.85 05 05		
		ch W				

Series 315

bell

Oct 21, 1914

copied

Card.

me 6196 40 K

sc1 sc2

0.11 +22

	Curve	Magn.	P.C.	Curve	Magn.
1	4.7	9.42	8.1	+1.19	9.29
2	5.6	5.60 00 5.6	9.10 00 9.1	1.38	10.48
3		6.1	4.86	10.96	
4		6.6	4.96	11.56	ch W
5		6.7	4.98	11.68	
6		7.1	5.07	12.17	
7		7.3	5.12	12.42	
8		7.3	5.12	12.42	
9		7.7	5.24	12.94	
10		8.1	5.37	13.47	
11		8.7	5.53	14.23	
12		8.95 01 9.0 8.9	5.61	14.56	
13		9.15 01 9.2 9.1	5.67	14.82	
14		9.40 00 9.5 9.5	5.75	15.25	
15		9.75 01 9.8 9.7	5.80	15.55	

ch W

8c11

Series 315

Oct 21, 1914

MC 6197 Cuv. Comp. Slaw				20 50 - 7.5		Alt. - 05	
Set	6c2	Cuv. Magn.	Pe	Cuv. Magn.			
1	23		63	+1.09	7.39		
2	43						
		+4.75	9.05	77	1.13	8.83	
3	52	5.1501	5.1	4.72	9.87	8.3	1.22
4		5.3		4.73	10.03	8.7	1.29
5		5.8		4.80	10.60	8.95 01	1.34
6		6.1		4.86	10.96	9.50 00	1.50
7		6.2		4.88	11.08	9.85 10	1.64
8		6.6		4.96	11.56	9.9 98	11.49
9		7.2		5.10	12.30		chw
10		7.3		5.12	12.42		
11		7.5		5.18	12.68		
12		7.9		5.30	13.20		
13		8.2		5.40	13.60		
14		8.4		5.46	13.86		
15		8.8		5.57	14.37		
16		8.7		5.53	14.23		
17		8.95 01		5.61	14.56		
18		9.0 89		5.67	14.82		
19		9.15 01		5.76	15.26		
20		9.50 00		5.82	15.67		
		9.85 10					
		9.9 98					

chw

Series 315

Bell

Oct-21, 1914

copied

mc 6198					date 21 ov +39.6		alt +121	
	Se1	Se2	curve magn.		Pe	curve	magn.	
1	32				60	+1.09	7.09	
2	38				67	1.09	7.79	
3	41		4.76	8.86	71	1.10	8.20	
4	39				68	1.09	7.89	
5	46		4.72	9.32	79	1.16	9.16	
6	46		4.72	9.32	79	1.15	9.05	
7	52	5.2000	5.2	4.72	9.92	83	1.22	9.52
8		5.4		4.74	10.14	85	1.30	10.05
9		6.1		4.86	10.96	98	1.62	11.42
10		6.7	6.3	4.94	11.44			
11		6.7		4.98	11.68			ch W
12		6.9		5.02	11.92			
13		7.5		5.18	12.68			
14		7.5		5.18	12.68			
15		7.9		5.30	13.20			
16		8.1		5.36	13.46			
17		8.5		5.49	13.99			
18		9.0	8.9	5.61	15.66			
19		9.3	9.2	5.70	14.95			
20		9.5	9.7	5.78	15.38			

ch W

Series 315

bull

Oct 21, 1914

looped

Card.

Mc 6199 41 K				Curve Magn. PC	Curve Magn.
1	5.1	5.2		6.7	+1.09 7.79
2	4.4			+4.74 9.14 7.3	1.10 8.40
3	5.0	5.00 0.0	5.0	4.72 9.12 7.9	1.15 9.05
4		5.1		4.72 9.82 8.1	1.19 9.29
5		5.7		4.77 10.47 8.6	1.27 9.87
6		6.0		4.83 10.83	
7		6.2		4.89 11.09	ch W
8		6.7		4.98 11.68	
9		6.8		4.99 11.79	
10		7.1		5.07 12.17	
11		7.3		5.12 12.42	
12		7.9		5.30 13.20	
13		8.5		5.49 13.99	
14		8.7		5.53 14.23	
15		8.9 1.0		5.61 14.56	
16		9.3 1.0		5.71 15.01	
17		9.7 1.0		5.80 15.55	

ch W

Semo 315

S.W.

Oct 21, 1914

MC 6200	Se	Pole	Se2	Pe
5				53
6				61
8				71
9				74
10	43			78
11	47			82
12	51	5.10 00	5.1	85
13		5.6		89.0 11
14		5.9		90. 88
15		6.2		91.25 10
16		6.5		92. 92
17		6.6		93.50 00
18		7.1		95. 95
19		7.3		96.15 01
20		7.5		97. 97
23		7.9		98.90 00
25		8.3		99. 99
26		8.7		
27		9.0		
28		9.25 10		
29		9.3 92		
		9.80 00		
		9.8 98		

11 56

See p. 88

Series 315

Bell

Oct 23, 1914

2	as	mc 6200 ser	ser	Pole	P.C. *
5					5.6
6					6.2
8		mc 6206 p.101		Mean Diff.	7.2
9					7.1
10	43			4.6 4.45 12 WS	8.1
11	47			5.05 4.88 18 7 4.67	8.3
12				5.1 5.3 5.20 11 4.66	8.5
13				5.4 5.8 5.60 22 4.70	8.95 01 9.0 8.9
14				5.7 6.2 5.90 22 4.70	9.25 10 9.3 9.2
15				6.0 6.6 6.30 23 4.78	9.55 21 9.6 9.5
16				6.3 6.8 6.55 22 4.85	9.75 21 9.8 9.7
17				6.6 6.9 6.75 21 4.88	9.90 00 9.9 9.9
18				7.0 7.3 7.15 21 4.91	
19				7.2 7.5 7.35 21 5.07	
20				7.5 7.7 7.60 11 5.13	
23				7.9 8.1 8.00 11 5.34	
25				8.3 8.5 8.40 11 5.47	
26				8.7 9.0 8.85 12 5.48	
27				9.0 9.0 9.50 9.25 25 25	5.44
28				9.5 9.5 9.85 9.68 18 17	5.43
29				9.9 9.9 9.90 2	5.76

ch W

*

Prismatic Comparisons discordant on MC 6200 and 6206.
Repeat P.C. on all plates following 6200.

Series 315

be u

Oct 23, 1914

MC 6201		Cros - 23 40 + 30 0		24. + 22	
Sec 1	Sec 2	Curve	Magn. pe *	Curve	Magn.
1 4.2			7.3	5.03	12.33
2 4.7		+ 4.61	9.31 8.2	5.38	13.58
3 4.6		4.59	9.19 7.9	5.27	
4	5.1	4.65	9.75 8.3	5.42	
5	5.3	4.67	9.97 8.5	5.46	
6	5.6	4.69	10.29 8.7		
7	5.9	4.73	10.63 9.8 9.80 9.8	5.52	
8	6.7	4.86	11.56		
9	6.9	4.92	11.82		
10	7.4	5.08	12.48		
11	7.5	5.10	12.60		
12	7.9	5.27	13.17		
13	8.2	5.38	13.58		
14	8.3	5.42	13.72		
15	8.5	5.46	13.96		
16	8.5	5.46	13.96		
17	8.7	5.47	14.17		
18	8.9 8.9	5.47	14.37		
19	9.2 9.1	5.45	14.60		
20	9.5 9.3	5.44	14.84		

chW

* See note on preceding page

bell

Series 315

Oct 28³, 1914

Lepid

Card.

Mc 6202 Carte 0.00 + 31.5 Alt. + 22

	Se1	Se2	Curve Magn*	PC
1	4.1			7.2
2	4.3		4.56	8.86 7.8
3	5.3	5.30 ⁰⁰	4.67	9.97 8.9
4		5.3	4.67	9.97 8.95 ⁰¹ 8.9
5		6.6	4.84	11.44
7	6	7.5	5.11	12.61
6	7	6.5	4.82	11.32
8		7.8	5.22	13.02
9		8.9	5.31	13.31
10		8.1	5.36	13.46
11		8.3	5.42	13.72
12		8.9 ⁰⁰ 8.9 8.9	5.47	14.37
13		8.95 ⁰¹ 9.0 8.9	5.46	14.41
14		9.15 ⁰² 9.2 9.1	5.45	14.60
15		9.40 ¹¹ 9.5 9.3	5.44	14.84

dw

*

See note on page 94

1914phae.proj.:997L

Series 315

Se 11

Oct-28³, 1914

MC 6203		I Andromedae		Ref. seq		Alt. +20	
1	Se1	Se2	Curve	Magn*	PC		
1	3.2				6.9		
2	3.7				7.9		
3	4.2				8.5		
4	4.4		4.57	8.97	8.8	8.9	8.85 0.1
5	4.7		4.61	9.31	9.2	9.3	9.25 0.1
6	5.4	5.35 to 5.3	4.67	10.02	9.97	10.0	9.95 2.10
7		5.1	4.65	9.75			
8		6.1	4.75	10.85			
9		6.5	4.82	11.32			
10		7.1	4.97	12.07			
11		7.3	5.03	12.33			
12		7.5	5.61	12.61			
13		7.9	5.27	13.17			
14		8.0	5.81	13.31			
15		8.3	5.92	13.72			
16		8.5	5.96	13.96			
17		8.80 1.2	5.97	14.27			
18		8.95 0.2	5.97	14.42			
19		9.45 0.1	5.45	14.90			
20		9.75 1.0	5.51	15.26			

dW

* See note on page 94

Series 315

Bell

Oct 28, 1914

copied

MC 6203

J

Indragm.

Var. Peg

Att. +20

Sc 1

Sc 2

Curve

Magn.

PC

a

87

b

80

DW:

c

5.1

4.65

9.75

90

d

84

e

91

91

f

88

89

g

95

97

h

5.3

4.67

9.97

99

99

i

5.7

4.71

10.41

l

5.7

4.71

10.41

m

5.95

0.1

4.74

10.69

n

5.9

4.73

10.63

o

6.0

4.74

10.74

omitted

p

6.3

4

q

6.3

4.79

11.09

r

7.1

4.96

12.06

s

7.2

4.99

12.19

t

7.1

4.96

12.06

u

7.3

5.03

12.33

v

7.3

5.03

12.33

w

7.7

5.17

12.87

x

8.5

5.45

13.95

y

8.3

5.42

13.72

z

8.3

5.42

13.72

aa

8.5

5.46

13.96

ab

9.05

0.1

5.46

14.51

ac

9.05

0.1

5.44

14.94

ad

9.8

0.1

5.52

15.82

ae

9.8

0.1

5.52

15.82

dw

* See note on page 94

Series 315

Bell

Oct 27, 1914

leptid.

MC	6204	502	7	Cassiope	Curve Magn.*	pe
a	5.1					6.1
b	3.0					7.3
c	4.0					8.4
d	4.2					8.7
e	4.6					9.80 00
f	4.7	4.80 LI	4.9	+ 4.59	9.19	9.8 9.8
g	4.7			4.62	9.42	?
h	4.0					8.3
i	4.1					8.5
j						
k	5.3	5.30 00	5.3	4.67	9.97	
l			5.3	4.67	9.97	
m			4.9	4.63	9.53	
n			5.8	4.72	10.52	
o						
p			5.7	4.71	10.41	
q			5.6	4.69	10.29	
r			6.1	4.76	10.86	
s			5.8	4.72	10.52	
t			6.3	4.78	11.08	
u			6.8	4.89	11.69	
v			6.7	4.86	11.56	
w			6.6	4.84	11.44	
x			6.8	4.89	11.69	
y			7.1	4.96	12.06	
z			8.3	5.42	13.72	
aa		7.60 LI	1.5 11	5.14	12.74	
ab			8.3	5.42	13.72	
ac			9.3?	5.52	15.32?	

* See note on page 94

100

Series 315

Bell

Oct-27, 1914

Leopold

Cand.

Me 6205 20 K

Att. + 12

	Se1	Se2	Curve	Magn.	PC
1	41				
2	5.1	5.05 10	5.0	4.64	9.69
3		5.2		4.66	9.86
4		6.1		4.76	10.86
5		5.8		4.72	10.52
6		6.3		4.78	11.08
7		6.6		4.84	11.44
8		7.1		4.96	12.06
9		7.3		5.03	12.33
10		7.5		5.10	12.60
11		7.7		5.18	12.88
12		8.2		5.28	13.58
13		8.5		5.46	13.96
14		8.5		5.46	13.96
15		8.7		5.47	14.17
16		9.2		5.44	14.64
17		9.75 10	9.7 9.8	5.51	15.26

4 35

chW

Prismatic companions fl-

Soll

Series 315
Oct 28, 1914

	mc 6206	Pole
	501	502
5		
6		
8		
9		
10	46	
11	5.1	5.05 10 5.0
12		5.3
13		5.8
14		6.2
15		6.6
16		6.8
17		6.9
18		7.3
19		7.5
20		7.7
23		8.1
25		8.5
26		9.00 00 90.90
27		95.50 00 95.95
28		98.85 01 98.99
29		

* pc
87
92

Prismatic companions very fl.

*
See note on page 94

Series 328

Oct 27, 1914

10	15	mc 6345	Se1	Se2	Pe	mc 6350	mean	diff.
						p.107		
5					52 52	5.20 00	5.30 5.25 01	+1.24
6					57 57	5.70 00	5.80 5.75 10	1.36
8					68 68	6.80 00	6.85 6.82 02 03	1.41
9								
10	42							
11	46							
12	49	4.85 10	48					
13			5.1					
14			5.3					
15			5.6					
16			5.9					
17			6.1					
18			6.6					
19			7.0					
20			7.2					
23			8.0					
25			8.7					
26			9.2					
* 27			9.8					
28			8					

Image badly
partly defined.

* 27 9.8

No. 27 remeasured on MC 6350, p. 107, 9.5. Difference probably ascribed
to adopt reading 9.15 for that plate, as given on this page. W.S.L.

* Remeasured Nov. 18, 1914 "8.7.2." Mr. 18, 914.

Series 328

bell

Oct-27, 1914

speed

Card.

	M 6346	Card	23 0 + 39.5						
	5.1	5.2	Curve Magn.	pc				Curve Magn.	
1	3.2				6.3	6.2	6.25	1.0	+1.41 7.66
2	4.1				7.3	7.5	7.40	1.1	1.40 8.80
3	4.7		+5.00	9.70	8.4	8.5	8.45	0.1	1.36 9.81
4		5.9	5.41	11.31					
5		6.3	5.43	11.73					chiff
6		6.7	5.42	12.12					
7		7.1	5.40	12.50					
8		7.4	5.39	12.79					
9		8.1	5.31	13.41					
10		8.9	5.26	14.16					
11		9.10 00	5.26	14.36					
		9.1 91							
		9.60 12							
12		9.7 95	5.28	14.88					
		9.60 11							
13		9.5 97	5.28	14.88					
		9.85 01							
14		9.8 99	5.32	15.17					
		9.80 00							
15		9.8 98	5.31	15.11					

chiff

Series 328

Soll

Oct 27, 1914

Copied.

Card

MC 6347		Conti		0 0 +46.5		alt. +22	
Se 1	Se 2	Curve	mag.	P	C	Curve	mag.
1 3.3				6.3	6.3	6.30	00 +1.42 7.72
2 4.1				7.3	7.3	7.30	00 1.41 8.71
3 4.3		4.80	9.10	7.8	7.7	7.75	02 1.38 9.13
4 4.6		4.46	9.55	8.7	8.5	8.60	12 1.36 9.96
5 5.0	4.90 il	5.10	10.00	8.7	8.7	8.70	00 1.35 10.05
6	5.3	5.27	10.57	9.8	9.5	9.65	22 1.33 10.98
7	5.6	5.36	10.96	9.9	9.9	9.90	00 1.33 11.23
8	5.9	5.41	11.31				
9	6.1	5.42	11.52				clw
10	7.1	5.40	12.50				
11	7.2	5.39	12.59				
12	7.3	5.39	12.69				
13	7.7	5.36	13.06				
14	8.1	5.31	13.41				
15	8.3	5.27	13.57				
16	8.60 il	5.26	13.86				
17	8.7 8.5	5.26	13.86				
18	8.7 8.5	5.26	14.26				
19	9.1 8.9	5.26	14.66				
20	9.3 9.5	5.27	14.77				

clw

Series 328

bell	Sec1	Sec2	Oct 27, 1914	pc	log p	magn.	Card.	Curve	magn.
main edge	MC 6348	B1	00 - 15 0	6.30 00 6.3 6.3	+1.42	7.72	alt. 18		
	1 37			6.35 00 6.3 6.4	1.42	7.77	31	83	5.27 13.57
	2 37			6.75 01 6.8 6.7	1.43	8.18	32	85	5.26 13.76
	3 38			6.80 12 6.9 6.7	1.43	8.23	33	87 86	5.26 13.91
	4 41			6.85 01 6.8 6.9	1.43	8.28	34	88 87	5.26 14.01
	5 39			7.00 12 7.7 9.5	1.39	8.99	35	92 92	5.25 14.50
	6 41			7.15 10 7.1 9.2	1.42	8.57	36	93 91	5.25 14.45
main edge	7 40			7.70 00 7.7 9.7	1.38	9.08	37	98 98	5.31 15.11
	8 41			8.00 00 8.0 8.0	1.38	9.38	38	98 9.9	5.32 15.17
	9 43		4.80 9.10	8.05 01 8.0 8.1	1.38	9.43	39	5	
	10 43		4.80 9.10	8.55 02 8.6 8.5	1.36	9.91			ch W
	11 47		5.00 9.70	8.70 00 8.7 8.7	1.35	10.05			
	12 47		5.00 9.70	8.75 01 8.7 8.9	1.35	10.15			
	13 47		5.00 9.70	9.05 01 9.0 9.1	1.34	10.39			
	14 47		5.20 9.70	9.15 01 9.2 9.1	1.34	10.49			
	15 48	4.85 01 4.9	5.07 9.92	9.25 01 9.2 9.2	1.34	10.59			
	16	5.1	5.18 10.28	9.50 00 9.5 9.5	1.33	10.83			
	16a	5.3	5.27 10.57	9.55 01 9.5 9.5	1.33	11.18			
	17	5.4	5.32 10.72	9.85 01 9.8 9.9	1.33	11.18			
	18	5.9	5.41 11.31	9.85 01 9.8 9.9	1.33	11.18			
	19	6.0	5.42 11.42						
	20	6.1	5.42 11.52						ch W
	21	6.3	5.43 11.73						
	22	6.3	5.43 11.73						
	23	6.5	5.43 11.93						
	24	6.7	5.42 12.12						
	25	7.1	5.40 12.50						
	26	7.1	5.40 12.50						
	27	7.2	5.39 12.59						
	28	7.9	5.33 13.23						
	29	8.0	5.32 13.32						
	30	8.1	5.31 13.41						

Series 328

Sun

Oct 27, 1914

Copied

Card.

Mc 6349 b1		100 + 15 0		alt. +17		Curve Magn.		Curve Magn.	
501	502	Curve Magn.		PC		Curve Magn.		Curve Magn.	
1 30				5.9	6.0 5.95	10 + 1.39	7.34 30	9.80 00	Curve Magn.
2 3.2				6.1	6.1 6.10 00	1.40	7.50 31	9.88 98	5.31 15.11
3 3.6				6.1	6.1 6.10 00	1.40	7.50 32	9.88 98	ch W
4 4.0				6.3	6.5 6.40 11	1.42	7.82		
5 4.1				7.0	6.7	6.85 21	1.43	8.28	
6 4.1				7.1	7.0	7.05 10	1.42	8.47	
7 4.2		+ 4.76	8.96 7.3 7.3	7.30 00	1.40	8.70			
8 4.3		4.80	9.10 7.5 7.3	7.40 11	1.40	8.80			
9 4.3		4.80	9.10 8.0 7.8	7.90 11	1.38	9.28			
10 4.6		4.95	9.55 8.5		1.36	9.86			
11 4.7		5.00	9.70 8.5		1.36	9.86			
12 4.9 4.90 00 4.9		5.10	10.00 8.7		1.35	10.05			
13	4.9	5.10	10.00 8.9		1.35	10.25			
13a	5.1	5.18	10.28 9.1		1.34	10.44			
14	5.3	5.27	10.57 9.5		1.34	10.84			
15	5.5	5.35	10.85						
16	5.9	5.41	11.31				ch W		
17	6.1	5.42	11.52						
18	6.2	5.42	11.62						
19	6.4	5.43	11.83						
20	7.1	5.40	12.50						
21	7.2	5.39	12.59						
21a	7.7	5.36	13.06						
22	8.0	5.32	13.32						
23	8.0	5.32	13.32						
24	8.1	5.3	13.41						
25	8.1	5.31	13.41						
26	8.5 8.5	5.27	13.77						
27	8.7 8.7	5.26	13.96						
28	8.9 8.9	5.26	14.21						
29	9.3 9.3	5.26	14.56						

Series 328

Bell

Oct. 27, 1914

Mc 6350 Pole

Sc 1

Sc 2

PC

5			53	53	5.30 00
6			59	57	5.80 12
8			69	68	6.85 10
9			74	75	7.45 01
10	43		78 78	76	7.70 12
11	46		82		
12	49		85		
13		51	89		
14		53	93		
15		57			
16		61			
17		63			
18		68			
19		71			
20		73			
23		81 ^{810 00}	81		
25		87 ^{860 12}	85		
26		89 ^{885 10}	88		
27		92 ^{915 01}	91		
28		97 ^{975 10}	98		

12 20

*

25 8.6

27 9.5

*

See note page 102

Series 326

Oct 31, 1914

q	to	mc 6350	Plate	pe	mc 6356	mean	Diff
		501	502		p. 115		
5				5.4 5.4 5.40 00	5.25 5.82 08 5	+1.17	
6				6.1 6.0 6.05 10	5.75 5.90 15 5	1.21	
8				7.2 7.1 7.15 01	6.90 7.02 13 12	1.21	
9				7.5 7.7 7.75 01	7.45 7.60 15 15	1.23	
10	42			7.9 8.0 7.95 10	7.70 7.82 13 12	1.20	
11	47	-5		8.3 8.1 8.20 11		1.35	
12		5.0		8.7 8.5 8.60 11		1.26	
13		5.3		9.1 9.0 9.05 10		1.25	
14		5.5		9.5 9.2 9.35 12		1.30	
15		5.9		5.7 5.80 11 5.28	9.5 9.55 12	1.58	
16		6.2		6.0 6.10 11 5.30	9.8 9.85 12	1.60	
17		6.5		6.2 6.35 12 5.28			
18		6.9		6.7 6.80 11 5.26			
19		7.1		6.9 7.00 11 5.42			
20		7.3		7.1 7.20 11 5.53			
23		8.0		7.7 7.85 11 5.49			
* 25		8.70 00		8.7 8.1 8.40 33	8.10 8.25	5.47	
26		9.05 10		9.1 9.0 8.60 8.82 23 22	5.51		
27		9.45 10		9.5 9.4 9.05 9.25 20 20	5.44		
28		9.70 00		9.9 9.9 9.50 9.70 22	5.41		
29				9.90 9.90 12	5.76		

ch W

chW

chW

* No. 25 remeasured on this plate 8.6 (p. 107) on mc 6356 8.3 (p. 115) Differences probably accidental. Adopt original readings for both plates, as given on this page.

H.S.L. Sept. 18, 1914.

Series 328

Bell

Oct 31, 1914

Copied

Card.

MC 6351		B1		Curve Magn.		PC		Curve Magn.		820.00	
WS	Sec 1	Sec 2									
1	32.29					65	6.1	+1.21	7.31	29	82.82
						6.20	1.1				5.49
2	31					63	6.1	1.21	7.41	30	85.87
						6.25	0.1				5.48
3	32					62	6.3	1.21	7.46	31	89.90
						6.45	1.0				5.48
4	32					65	6.4	1.21	7.66	32	90.90
						6.70	0.7				5.48
5	33					67	6.7	1.22	7.92	33	9
						7.00	1.1				
6	36					71	6.9	1.22	8.22	34	97.98
						7.20	1.1				5.49
7	38					73	7.1	1.22	8.42	35	9
						7.30	0.0				
8	40					73	7.3	1.23	8.53		
						7.50	0.0				ch W
9	42			4.73	8.93	75	7.5	1.23	8.73		
						7.80	0.0				
10	43			4.78	9.08	78	7.8	1.25	9.05		
						7.60	1.1				
11	41			4.70	8.80	77	7.5	1.24	8.84		
						7.80	0.0				
12	41			4.70	8.80	78	7.8	1.25	9.05		
						8.00	0.0				
13	43			4.78	9.08	81	7.9	1.26	9.26		
						8.50	0.0				
14	47			4.92	9.62	85	8.5	1.28	9.78		
						8.7	8.75	1.30	10.05		
15	47	4.75	10	4.93	9.68	92	9.1	1.36	10.51		
						9.15	0.1				
16		5.1		5.05	10.15	92	9.1	1.36	10.51		
						9.05	1.0				
17		5.1		5.05	10.15	91	9.0	1.34	10.39		
						9.10	0.0				
18		5.1		5.05	10.15	91	9.1	1.35	10.45		
						9.30	1.1				
19		5.3		5.12	10.42	94	9.2	1.40	10.70		
						9.45	1.0				
20		5.3		5.12	10.42	97	9.8	1.55	11.30		
21		5.7		5.08	10.28						
22		5.7		5.21	10.91						
23		5.8		5.23	11.03						
23a		6.1		5.30	11.40						
24		6.8		5.42	12.22						
25		9.0		5.43	12.43						
26		9.0		5.43	12.43						
26a		9.1		5.45	12.55						
27		9.9		5.49	13.39						
28		8.1		5.49	13.59						
28a		9.3		5.46	12.76						

Series 328

Bell

Oct-31, 1914

Lospied

Card.

Mc 6352 Cast 2 v +17.5

	Sec 1	Sec 2	Curve	Magn.	PC	mean	Curve	Magn.
1	38				6.9	6.7	6.80	1.22
2	43		+4.78	9.08	8.0	7.9	7.95	0.1
3	47		4.92	9.62	8.2	8.3	8.25	0.1
4	52		5.08	10.28	9.0	9.0	9.00	0.0
5	52		5.08	10.28	9.1	9.1	9.10	0.0
6	54	5.35 0.1	5.13	10.48	9.5	9.7	9.60	1.1
7		5.9	5.25	11.15				
8		6.6	5.39	11.89				
9		6.3	5.34	11.64				
10		7.3	5.46	12.76				
11		7.9	5.49	13.39				
12		8.3	5.49	13.79				
13		8.5	5.48	14.08				
14		8.9	5.48	14.43				
15		9.0	5.48	14.53				
16		9.3	5.49	14.79				
17		9.9	5.50	15.40				

ch W

ch W

Series 328

S. 11

Oct 31, 1914 copied Card.

We 6253		Carte 2.0 + 31.5		Mean		Curve Magn.	
Se 1	Se 2	Curve	Magn	pc	Mean	Curve	Magn.
1 4.1		+ 4.70	8.80	7.1 7.2	7.15 1.0	+ 1.22	8.37
2 4.2		4.74	8.94	7.4 7.6	7.50 1.1	1.23	8.73
3 4.2		4.74	8.94	7.5 7.5	7.50 0.0	1.23	8.73
4 4.6		4.88	9.48	8.0 8.0	8.00 0.0	1.26	9.26
5 4.7		4.92	9.62	8.2 8.3	8.25 0.1	1.27	9.52
6	5.2	5.08	10.28	8.9		1.31	10.21
7	5.3	5.12	10.42	9.0		1.33	10.33
8	5.3	5.12	10.42	9.2		1.37	10.57
9	5.9	5.26	11.16	9.8		⁵⁷ 1.30	³⁷ 11.10
10	6.1	5.30	11.40	9.8		⁵⁷ 1.30	³⁷ 11.10
11	6.3	5.34	11.64				
12	7.1	5.44	12.54			ch W	
13	7.5	5.48	12.98				
14	8.1	5.49	13.59				
15	8.3	5.49	13.79				
16	8.45 1.0 8.5 8.4	5.49	13.94				
17	8.60 1.1 8.5 8.7	5.48	14.08				
18	8.95 0.2 9.0 8.9	5.48	14.43				
19	9.20 0.0 9.2 9.2	5.48	14.68				
20	9.50 0.0 9.5 9.5	5.49	14.99				

ch W

Series 328

Oct 31, 1914

Card.

mc 6354 91 Persia Ref. Sea Alt. +20

	Set	Set	Curve	Magn.	Curve	Magn.
1	40			78 77	+1.24	8.99
2	42		+ 4.73	8.93	78 78	1.25 9.05
3	47		4.92	9.62	81 80	1.26 9.31
4	47		4.92	9.62	83 82	1.27 9.52
5	50	4.95 01 4.9	5.00	9.95	87 85	1.29 9.89
6	50	5.05 01 5.1	5.03	10.08	88	1.30 10.10
7		5.4	5.14	10.54	9.1	1.34 10.44
8		5.9	5.26	11.16	9.6 9.7	1.49 11.09
9		6.8	5.42	12.22		
10		7.3	5.46	12.76		ch W
11		7.8	5.49	13.29		
12		8.0	5.49	13.49		
13		8.2	5.49	13.69		
14		8.3	5.49	13.79		
15		8.5	5.48	13.98		
16		8.6 01 8.5 8.7	5.48	14.08		
17		8.9 10 8.9 9.0	5.48	14.43		
18		9.0 00 9.0 9.0	5.48	14.48		
19		9.5 00 9.5 9.5	5.49	14.99		
20		9.6 01 9.5 9.7	5.49	15.09		

ch W

Scl

Series 328

Oct 31, 1914

copied

Card.

Mc 6254 cont		Var. peg pc		mean		curve magn.	
Scl	Scl	Curve	magn.			Curve	magn.
a	4.0		7.0	7.1	7.05	0.1	+1.22 8.27
b	4.3	+4.77	9.07	7.2	7.3	7.25	0.1 1.22 8.47
c	4.7 4.70 0.0	4.7	4.92	9.62	8.1	8.2	8.15 1.0 1.26 9.41
d		5.2	5.08	10.28	8.9	8.9	8.90 0.0 1.31 10.21
e		5.2	5.08	10.28	9.0	9.0	9.00 0.0 1.33 10.33
f		6.1	5.32	11.40	9.2?	9.22?	1.38 10.58?
g		6.2	5.32	11.52			
h		6.5	5.38	11.88			ch W
i		6.9	5.42	12.32			
j		7.5	5.48	12.98			
k		7.1	5.44	12.54			
l		7.7	5.49	13.19			
m		7.9	5.49	13.39			
n		8.3	5.49	13.79			
o		8.7 8.7	5.48	14.18			
p		8.3 8.4	5.49	13.84			
q		8.7 8.7	5.48	14.23			
r		8.9 8.9	5.48	14.43			
s		9.3 9.3	5.49	14.79			
t		9.7 9.8	5.49	15.24			

ch W

Bell

Series 328

Oct 31, 1914

looked

Card.

Mc 6355		Cart 4		U + 175		AH + 18	
	501	502	Curve	magn.	PC	mean	Curve
							magn.
1	4.1		+4.70	8.80	7.1	7.1	7.10 0.0
2	4.6		4.88	9.68	8.5	8.7	8.60 0.1
3	4.6		4.88	9.48	8.3	8.2	8.25 1.0
4	4.8		4.94	9.74	8.8	8.9	8.65 0.1
5	5.0	5.05 0.1	5.03	10.08	9.1	9.2	9.15 1.0
6		5.1	5.05	10.15	9.3		9.30
7		5.3	5.12	10.42	9.7		9.70
8		5.9	5.76	11.16			
9		6.2	5.82	11.52			
10		6.5	5.89	11.89			
11		6.8	5.42	12.22			
12		7.1	5.45	12.55			
13		7.7	5.49	13.19			
14		8.0	5.49	13.49			
15		8.1	5.49	13.59			
16		8.5 8.5	5.48	13.98			
17		8.7 8.7	5.48	14.18			
18		9.0 9.0	5.48	14.53			
19		9.3 9.3	5.49	14.79			
20		9.5 9.5	5.49	15.09			

ch W

ch W

Series 328

Se 11

Oct-31, 1914

Me 6356 Pole

	Sc 1	Sc 2	pc
5			5.3 5.2 5.20 10
6			5.7 5.8 5.75 10
8			6.9 6.9 6.90 00
9			7.4 7.5 7.45 01
10	4.1		7.7 7.7 7.70 00
11	4.6		8.1
12	4.9		8.5
13	5.0	5.1 5.05 01	9.0
14		5.3	9.2
15		5.7	9.5
16		6.0	9.8
17		6.2	
18		6.7	
19		6.9	
20		7.1	
23		7.7	
25		8.1 8.1 8.10 00	
26		8.6 8.6 8.60 11	
27		8.5 8.7 8.55 10	
28		9.1 9.0 9.05 00	
29		9.5 9.5 9.50 00	
		9.9 9.9 9.90 00	
* 25		8.3	

12 10

Interrupted 10 min

* See note page 102 and 108

Series 333

Dec. 9, 1914

q	50	mc 6405	Sub	mc	mc	pe	me	mc	mean	Diff
		Sub	Sub	6410	6416	C	6410	6416		
				P.120	P.126		P.120	P.126		
5				4.8	5.0	4.90	4.55	4.75	4.73	1.76
6				5.8	5.7	5.75	5.15	5.20	5.37	1.74
8				6.7	6.8	6.75	6.35	6.35	6.48	1.75
9				7.4	7.3	7.35	7.20	7.30	7.28	1.55
10	2.6	2.7	2.5	2.5	2.57	6.45	7.5	7.7	7.53	1.49
11	3.1	3.2	3.1	3.2	3.17	6.38	8.0	7.9	7.97	1.58
12	3.6	3.7	3.5	3.7	3.65	6.21	8.3	8.2	8.27	1.59
13			4.2	4.05	4.10	4.12	8.7	8.7	8.70	1.60
14			4.7	4.7	4.7	4.70	9.1	9.0	9.07	1.58
15			5.2	5.1	5.2	5.17		9.3	9.40	1.68
16			5.7	5.6	5.6	5.63		9.7	9.70	1.70
17			5.9	5.9	5.9	5.90				
18			6.5	6.5	6.4	6.47				ch W
19			6.8	6.9	6.7	6.70				
20			7.1	7.2	7.1	7.13				
23			7.7	7.7	7.7	7.70				
25			8.1	8.1	8.15	8.10	8.12	8.12	8.12	5.75
26			8.7	8.8	8.90	8.70	8.78	8.78	8.78	5.55
27			9.1	9.1	9.20	9.20	9.17	9.17	9.17	5.52
28			9.4	9.4	9.70	9.65	9.60	9.60	9.60	5.57
29			9.9	10.0			9.90	9.90	9.90	5.71

Diff (cont)

ch W

Plate fogged

be V

Series 333

Dec 9, 1914

Copied

Card.

mc 6406 Barte			19.6 ^h -16.5 ^m	pe	alt. corr. -2.3		
			Curve Magn.	C			Curve Magn.
1	24 2.5		+6.50	9.00	7.2	7.1 7.15 0.1	+1.59 8.74
2	27 2.8		6.44	9.24	7.5	7.4 7.45 1.0	1.58 9.03
3	32 3.3		6.33	9.63	8.1	8.1 8.10 0.0	1.58 9.68
4	39 4.0 4.05 ^{0.1}	4.1	6.17	10.22	8.9	8.8 8.85 1.0	1.60 10.45
5		5.1	5.90	11.00	9.7	9.8 9.75 1.0	1.71 11.46
6		5.2	5.87	11.07	9.7		1.70 11.40
7		5.9	5.74	11.64			
8		6.3	5.69	11.99			chw
9		6.8	5.62	12.42			
10		6.6	5.65	12.25			
11		6.9	5.62	12.52			
12		7.2	5.60	12.80			
13		7.5	5.59	13.09			
14		7.7	5.58	13.28			
15		7.9	5.57	13.47			
16		7.95 1.0	5.57	13.52			
17		8.2 8.0	5.57	13.77			
18		8.2 8.2	5.57	13.77			
19		8.5 8.5	5.56	14.06			
20		8.5 8.5	5.56	14.06			
21		8.7 8.7	5.56	14.26			
		8.9 8.9	5.56	14.51			

chw

Se V

Series 333

Dec 9, 1914

Copied

Card.

MC 6407

19 0 + 2.5 Wrong region (not meas.)

" 6408

barte 19 0 + 10 0 alt. com + 1.3 Curve Magn.

1 2.2 2.3

+6.54 8.84 6.8 6.7 6.75 0.1 +1.62 8.37

2 2.7 2.8

6.44 9.24 7.4 7.5 7.45 0.1 1.58 9.03

3 3.0 3.1

6.37 9.47 7.7 7.7 7.70 0.0 1.57 9.27

4 3.4 3.5

6.29 9.79 8.0 8.2 8.10 1.1 1.57 9.67

5 4.9 5.0 5.05 5.1

5.91 10.96 9.8 9.8 9.80 0.0 1.72 11.52

6 5.0 5.1 5.10 5.1

5.90 11.00 9.9

7 5.3

5.85 11.15

8 5.7

5.76 11.46

9 5.8

5.75 11.55

10 6.1

5.72 11.82

11 5.9

5.74 11.64

12 5.9

5.74 11.64

13 6.2

5.70 11.90

14 6.2

5.70 11.90

15 6.9

5.62 12.52

16 7.25 10

7.3 7.2 5.60 12.85

17 7.60 11

7.7 7.5 5.58 13.18

18 8.05 11

8.0 8.1 5.57 13.62

19 8.55 11

8.6 8.5 5.56 14.11

20 8.80 11

8.8 8.8 5.56 14.36

chw

"defect:"

see note on cover
of file
and 2-1915

Series 333

Sc V

Dec 9, 1914

copied

mc 6409 *barte* 19 58 +65.0 alt. corr. +.18

		Curve	Magn.		Curve	Magn.
1	2.3 2.4	+6.51	8.18	7.1	7.10 0.0	+1.59 8.69
2	3.0 3.1	6.37	9.47	7.9	7.85 1.0	1.57 9.42
3	3.3 3.4	6.31	9.71	8.1	8.10 0.0	1.57 9.67
4	3.7 3.8 3.85 3.9	6.21	10.06	8.4	8.3 8.35 0.1	1.58 9.93
5	4.3	6.09	10.39	9.0	8.9 8.95 0.1	1.61 10.56
6	4.8	5.98	10.78	9.8	1.72	11.52
7	5.3	5.86	11.16			
8	6.0	5.73	11.73			ch W
9	6.3	5.69	11.99			
10	6.5	5.66	12.16			
11	6.8	5.62	12.42			
12	7.1	5.61	12.71			
13	7.2	5.60	12.80			
14	7.3	5.60	12.90			
15	7.5	5.59	13.09			
16	7.6 7.7	5.58	13.18			
17	7.9 8.0	5.57	13.52			
18	8.3 8.3	5.57	13.87			
19	8.5 8.6	5.56	14.11			
20	8.9 8.9	5.56	14.46			

ch W

Series 333

Dec 9, 1914

bel

Mc 6410 Bole

	B	C	C
5			4.7 4.4 4.55 1.2
6			5.2 5.1 5.15 0.1
8			6.3 6.4 6.35 1.0
9			7.2 7.2 7.20 0.0
10	2.4	2.5	7.5 7.5 7.50 0.0
11	3.0	3.1	8.0
12	3.4	3.5	8.3
13	3.9	4.0 4.05 4.1	8.7
14		4.1	9.1
15		5.1	
16		5.6	
17		5.9	
18		6.5	
19		6.9	
20		7.2	
23		7.7	
25		8.15 0.1 8.2 8.1	
26		8.9 0.0 8.9 8.9	
27		9.2 0.0 9.2 9.2	
28		9.7 0.0 9.7 9.7	
29		8	

Series 333

Sev

Dec 9, 1914

Copied

Mc 6411		Carl		19 59 + 17.5		alt. corr. +17	
				Curve Magn.		Curve Magn.	
1	14 ¹³ 1.5	c		6.0	6.1	6.05	0.1 +1.67 7.72
2	22 2.3			6.54	8.84	7.1	7.05 1.0 1.60 8.65
3	23 2.4			6.51	8.91	7.1	7.10 0.0 1.59 8.69
4	27 2.8			6.44	9.24	7.4	7.5 0.1 1.58 9.03
5	34 3.5			6.29	9.79	8.0	8.0 0.0 1.57 9.57
6		42		6.12	10.32	8.8	1.60 10.40
7		46		6.02	10.62	9.1	1.62 10.72
8		51		5.90	11.00	9.8	1.72 11.52
9		54		5.83	11.23		
10		59		5.74	11.64		ch W
11		62		5.70	11.90		
12		67		5.64	12.34		
13		70		5.61	12.61		
14		77		5.58	13.28		
15		8.05 0.1 80 8.1		5.57	13.62		
16		8.00 0.0 80 8.0		5.57	13.57		
17		8.60 0.1 85 8.7		5.56	14.16		
18		8.85 0.1 88 8.9		5.56	14.41		
19		9.00 0.0 90 9.0		5.57	14.57		
20		9.20 0.0 92 9.2		5.58	14.78		

ch W

Series 333

SeV

Dec 9, 1914

copied

Card.

MC 6412 Caut 21 0-16.5 alt. corr. -22

	B	C	Curve	Magn.	C	Curve	Magn.
1	24 25		16.50	9.00	74 73	7.35	0.1 + 1.58 8.93
2	24 25		6.50	9.00	74 74	7.40	00 1.58 8.98
3	27 28		6.44	9.24	75 75	7.50	00 1.58 9.08
4	32 33		6.33	9.63	82 82	8.20	00 1.57 9.77
5	37 38		6.23	10.23	90		1.61 10.61
6		52	5.87	11.07			
7		54	5.83	11.23			ch W
8		62	5.70	11.90			
9		65	5.66	12.16			
10		68	5.62	12.42			
11		70	5.61	12.61			
12		71	5.61	12.71			
13		73	5.60	12.90			
14		76	5.58	13.18			
15		78	5.58	13.38			
16		79 80	5.57	13.52			
17		82 83	5.57	13.82			
18		82 82	5.57	13.77			
19		83 83	5.57	13.87			
20		91 91	5.57	14.67			

Scratched

ch W

12 00

Series 333

Dec 9, 1914

Copied

Scv

12	15	mc 6412	D 11	alt. corr. -18					
			Curve Magn.		Curve Magn.			Curve Magn.	
		1 1.2 1.3	.	52.501	+1.74 6.99	30	7.3	+5.60	12.90
		2 1.4 1.5	.	58.501	1.69 7.54	31	7.7	5.58	13.28
		3 1.3 1.4	.	57.501	1.70 7.50	32	7.7	5.58	13.28
		4 1.3 1.4	.	60.501	1.73 7.63	33	7.8	5.58	13.38
		5 1.2 1.3	.	60.510	1.67 7.72	34	7.9	5.57	13.52
		6 1.3 1.4	.	61.60	1.72	35	8.0	5.57	13.82
		7 1.3 1.4	.	62	1.70 7.86	36	8.2	5.57	13.77
		8 1.3 1.4	.	62	1.66 7.86	37	8.2	5.57	14.52
		9 1.3 1.4	.	68.012	1.68 7.68	38	8.4	5.57	14.57
		10 1.7 1.8	.	69.64	1.61 8.41	39	8.5	5.56	14.31
		11 1.8 1.9	.	69	1.61 8.41	40	8.7	5.58	14.88
		12 2.1 2.2	+6.56 ^E 8.76	7.1	1.59 8.69	41	9.0	5.62	15.37
		13 2.1 2.2	6.56 ^E 8.76	7.3	1.58 8.88				
		14 2.4 2.5	6.50 9.00	7.5	1.58 9.08				
		15 2.9 3.0	6.50 9.00	8.0	1.57 9.57				chw
		16 2.7 2.8	6.40 9.40	8.9	1.60 10.50				
		17 3.0 3.1	6.44 9.24	8.9	1.60 10.40				
		18 3.0 3.1	6.37 9.47	8.9	1.60 10.50				
		19 3.2 3.3	6.33 9.63	9.2	1.62 10.82				
tp		20 3.3 3.4	6.31 9.71	9.2	1.62 10.82				
tp		21	.	9.0	1.60 10.60				
tp		22	.	9.7	1.70 11.40				
tp		23	.	9.7	1.70 11.40				
tp		24	.	.					chw
tp		25	.	.					
		26	6.0 5.73 11.73						
		27	6.3 5.69 11.99						
		28	6.7 5.64 12.34						
		29	7.1 5.61 12.71						

Some of the bright images are very
 from-hazy on the edge.

Series 323

Se V

Dec 9, 1914

MC 6414 21 0 + 2.5 Wrong region - (not meas)

MC 6415 U. G. bygnic (Ref Seq) alt. corr. +.23
B C Curve Magn.

1	1.9	2.0			6.4	6.3	6.35	6.1	+1.64	7.99		
2	2.3	2.4			+6.51	8.91	7.1	7.1	7.10	0.0	1.59	8.69
3	2.7	2.8			6.44	9.24	7.3	7.5	7.40	1.1	1.59	8.99
4	3.4	3.5			6.29	9.79	8.1	7.9	8.00	1.1	1.57	9.57
5	4.0	4.1	4.10	4.1	6.15	10.25	8.8	8.7	8.75	0.1	1.59	10.34
6				4.7	6.00	10.70	8.9				1.60	10.50
7				5.1	5.90	11.00	9.7				1.70	11.40
8				5.3	5.85	11.15	9.9					
9				5.9	5.73	11.63						
10				6.1	5.71	11.81					ch W	
11				6.8	5.62	12.42						
12				7.0	5.61	12.61						
13				7.1	5.60	12.70						
14				7.7	5.58	13.28						
15				8.0	5.57	13.57						
16				8.15	5.57	13.72						
17				8.20	5.57	13.77						
18				8.30	5.57	13.87						
19				8.35	5.57	13.92						
20				9.00	5.57	14.57						

ch W

Sev

Series 333

Dec 9, 1914

Copied

Mc 6415 cont.			U. G. Cygni					alt. corr. +.23		
B			Curve Magn.					Curve	Magn.	
a	2.4	2.5	+6.50	9.00	7.2	7.1	7.15	0.1	+1.59	8.74
b	2.9	3.0	6.40	9.40	7.5	7.3	7.40	1.1	1.58	8.98
c	3.4	3.5	6.29	9.79	8.2	8.2	8.20	0.0	1.58	9.18
d	4.1	4.2	6.12	10.32	8.9	8.9	8.90	0.0	1.60	10.50
e	4.1	4.2 4.25	6.11	10.36	8.7	8.7	8.70	0.0	1.59	10.29
f		4.7	6.00	10.70	9.1				1.62	10.72
g		5.7	5.76	11.46	9.8				1.72	11.52
h		6.1	5.72	11.82						
i		6.3	5.69	11.99						ch W
j		6.8	5.62	12.42						
k		6.7	5.64	12.34						
l		7.6 11								
m		7.5 7.7	5.59	13.19						
n		7.7	5.58	13.28						
o		8.0	5.57	13.57						
p		8.05 0.1								
q		8.0 8.1	5.57	13.62						
r		8.95 1.0								
s		8.9 9.0	5.57	14.52						
t		9.00 0.0								
u		9.0 9.0	5.57	14.57						
v		9.50 0.0								
w		9.5 9.5	5.59	15.09						

ch W

2 to

~~Interrupted - 20 m~~

Series 333

Set

Dec 9, 1914

mc 6416 Pole

5					c	4.8	4.7	4.75	01
6						5.2	5.2	5.20	00
8						6.4	6.3	6.35	01
9						7.3	7.3	7.30	00
10	24	25				7.5	7.5	7.50	00
11	3.1	3.2				7.9			
12	3.6	3.7				8.2			
13	4.0	4.1	4.10	4.1		8.7			
14				4.7		9.0			
15				5.2		9.3			
16				5.6		9.7			
17				5.9					
18				6.4					
19				6.7					
20				7.1					
23				7.7					
25				8.1000					
				8.181					
				8.7000					
26				8.787					
				9.2000					
27				9.292					
				9.6501					
28				9.6					
				9.7					
29				9					

2 10

Interrupted 20^m

All Pole plates of this series are fogged.

Series 411

Se 11

Jan. 19, 1915

10	20	Mc 7335	Pol	Diff	Extinction	mc	mean	Diff	pc	a'	a''
		Se 1	Se 2	mc	mc	7340	7340				
5				7340	5.3	5.30	5.30	+1.19	5.3	87	85
6				P.133	5.6	5.65	5.70	5.68	1.43	91	94
8				mean	6.7	6.60	6.50	6.55	1.68	9	99
9				Diff	7.1	7.15	6.95	7.05	1.78	7.5	
10	43			4.3	4.30	00	+4.72	7.3	7.25	7.20	7.22
11	47	4.70	00	4.7	4.70	00.00	4.85	7.8	7.80	7.75	7.78
12				5.0	4.9	4.95	0.1	4.91	8.2	8.20	8.15
13				5.3	5.2	5.25	10	5.05	8.5	8.50	8.50
14				5.7	5.5	5.60	12	5.05	8.8	8.75	8.80
15				6.2	5.9	6.05	21	5.03	9.2	9.10	9.05
16				6.5	6.3	6.40	12	5.00	9.5	9.50	9.50
17				6.5	6.5	6.50	00	5.13	9.7	9.70	9.70
18				6.9	7.0	6.95	10	5.11	10.0	9.95	9.90
19				7.1	7.2	7.15	10	5.27			
20				7.4	7.3	7.35	0.1	5.38			
22				7.9	7.90	7.90	00	5.44			
25				8.3	8.30	8.30	00.00	5.57			
26				8.7	8.70	8.70	00.00	5.63			
27				9.1	9.05	9.08	02.03	5.61			
28				9.5	9.50	9.50	00.00	5.61			
29				9.9	9.90	9.90	00.00	5.76			

ch W

ch W

Diff. images elongated

* For reduction of P.C.'s see p. 133

Do not plot P.C.'s for diff. exting. "H.S. d. Jan. 20, '15"

Series 411

Card

bell

Jan 19, 1915

Copied.

[illegible]

ch W

~~Connect image for time - see p.~~

*
*
See notes for diff. PC's p. 127

Series 411

Card.

Bell

Jan 19, 1915

MC 7327 (Ref. Supp.)		3 50 + 55		act. + 31							
Se1	Se2	Curve	Magn.	a1	Curve	Magn.	a2	PK	Se	Curve	Magn.
01 34				52	5.25	+1.24	6.49	53	WS	8.2	8.5
05 50	4.95	01	4.9	+4.90	9.85	8.1	8.15	1.85	10.00	82	8.5 + 1.52
03 47	4.70	00	4.7	4.84	9.54	7.9	7.95	1.83	9.78	80	8.0 1.47
04		47		4.84	9.54	8.0	8.00	1.84	9.84	80	8.2 1.49
2				4.78	9.28	7.8	7.85	1.82	9.67	79	8.0 1.47
05 45				4.84	9.54	8.5	8.35	1.88	10.23	82	8.5 1.52
2= 06		47		5.04	10.74	9.0	9.05	1.94	10.99	91	9.7 1.62
07		57		5.02	10.52	8.9	8.95	1.93	10.88	90	9.5 1.61
08		55		5.13	11.23	9.5	9.60	1.99	11.59	97	9.8 1.62
09		61		5.14	11.34	9.5	9.50	1.98	11.48	95	9.7 1.62
9= 010		62		5.20	11.70	9.8	9.80	1.99	11.79	98	Scratched,
011		65		5.30	12.30						
012		70		5.35	12.65						
013		73		5.39	12.89						
014		75		5.48	13.58						
015		81		5.51	13.81						
016		83									
017		75									
018		Scratched									
019		88 89		5.58	14.43						
020		87									

ch W

Series 411

C

bell

Jan 19, 1915

Copied

me 7337		barte 3		uo + 55		act + 21		pc		Curve Magn	
5.1	5.2	Curve	Magn	a	mean	Curve	Magn	a ²	pc	Curve	Magn
1 3.5				6.5	6.50	+1.61	8.11	6.5	6.7	+1.29	7.99
2 4.2				7.7	7.70	1.80	9.50	definite	7.9	1.46	9.36
ob = 3 4.7 4.70 0.0	4.7	+4.84	9.54	8.1	8.10	1.86	9.96	8.1	8.5	1.52	10.02
4	5.5	5.01	10.51	8.9	8.95	1.94	10.89	9.0	9.0	1.57	10.57
5	5.3	4.97	10.27	8.7	8.80	1.92	10.72	8.9	9.3	1.59	10.89
6	5.5	5.01	10.51	9.0	9.00	1.94	10.94	9.0	9.0	1.57	10.57
7	5.7	5.06	10.76	9.3	9.40	1.97	11.37	9.5	9.7	1.62	11.32
8	6.1	5.13	11.23	9.7	9.70	1.99	11.69	9.7	9.7	1.62	11.32
U10 = 9	6.1	5.13	11.23	9.7	9.70	1.99	11.69	9.7	9.9	1.63	11.53
10	6.3	5.16	11.46								
11	6.5	5.20	11.70						ch W		
12	6.7	5.23	11.93								
13	6.7	5.23	11.93								
14	7.0	5.30	12.30								
15	7.5	5.38	12.88								
16	7.6 11	5.39	12.99								
17	7.7 15	5.41	13.11								
18	7.8 10	5.43	13.28								
19	8.4 11	5.52	13.92								
20	8.9 10	5.59	14.54								

ch W

Series 411

Card

Sc II

Jan 19, 1915 Copied

mc 7338 base		4 00 + 31.5		act. + 32							
1	Sc 1	Sc 2	Curve Magn.	α	Mean	Curve Magn.	α	PC	Curve Magn.		
1	3.9			6.7	6.70	00	+1.65	8.35	6.7	6.9	+1.33 8.23
2	4.2			7.2	7.25	01	1.75	9.00	7.3	7.2	1.37 8.57
3	4.7	4.70 00	4.7	+4.84	9.54	7.7	7.70	00	1.81	9.57	7.7 8.0 1.47 9.47
4		4.7	4.84	9.54	7.9	7.95	10	1.83	9.78	8.0	8.1 1.49 9.59
5		4.9	4.87	9.77	8.3	8.30	00	1.88	10.18	8.3	8.5 1.52 10.02
6		5.4	4.99	10.39	8.7	8.80	11	1.92	10.72	8.9	9.0 1.57 10.57
7		5.9	5.09	10.99	9.1	9.10	00	1.94	11.04	9.1	9.4 1.60 11.00
8		6.3	5.16	11.46	9.7	9.70	00	1.99	11.69	9.7	8
9		6.7	5.23	11.93	9.9	9.90	00	2.00	11.90	9.9	
10		6.9	5.28	12.18							
11		7.2	5.32	12.52						dw	
12		7.5	5.38	12.88							
13		7.5	5.38	12.88							
14		7.7	5.41	13.11							
15		8.1	5.47	13.57							
16		8.3	5.51	13.81							
17		8.60 11	5.54	14.14							
18		8.70 00	5.56	14.26							
19		9.00 00	5.60	14.60							
20		9.40 11	5.65	15.05							

dw

Scll

Series 411

Jan 19, 1915

Copied

Card.

me 7339 base 4 on +65.0 det. +19

	Se1	Se2	Curve Magn.	cu mean	Curve Magn.	σ^2	P.C.	Curve Magn.	σ^2
1	37			8.3	8.3000	+1.56	8.4	+1.23	6.42
2	43		+4.93	9.03	7.374011	1.77	9.17	7.5	1.42
3	49	4.95 10	50	4.89	9.84	8.3	8.3000	1.88	10.18
4		53		4.97	10.27	8.5	8.5000	1.91	10.41
5		54		5.00	10.40	8.5	8.5000	1.91	10.41
6		56		5.03	10.63	8.7	8.7000	1.92	10.62
7		57		5.04	10.74	8.9	8.9510	1.94	10.89
8		61		5.13	11.23	9.3	9.4011	1.97	11.37
9		61		5.13	11.23	9.5	9.5000	1.98	11.48
10		65		5.20	11.70	9.8	9.8000	1.99	11.79
11		67		5.24	11.94				
12		65		5.20	11.70			ch W	
13		69		5.27	12.17				
14		71		5.31	12.41				
15		73		5.34	12.64				
16		75		5.38	12.88				
17		77	77	5.41	13.11				
18		77	77	5.41	13.11				
19		82	82	5.50	13.75				
20		90	91	5.60	14.65				

ch W

Remeasures by O. Feb. 25, 16.

P.C.

g h
sc.2 sc.2

sc.2

1 6.3 6.4

6.4

2 7.5 7.6

7.8

3 8.3 8.4

8.5

Assume a mistake of a unit in p.c. and diff. in.
for Star 1

Series 411

Soll

Jan 19, 1915

mc 7340 Pole		mc 7346 P142	mc 7335 P.127		Mean	Diff
Sol	Sol	a' mean	a'	pc		
5		5.3 5.30 00 5.30	5.3	5.4	5.5 5.45 01	1.04
6		5.7 5.70 00 5.55	5.7	5.9	6.1 6.00 11	1.11
8		6.5 6.50 00	6.5	6.9	6.56.9 6.80 10	1.43
9		6.9 6.95 10	7.0	7.5	7.5 7.50 00	1.33
10	4.3	7.2 7.20 00	7.2	7.6	7.7 7.65 01	1.37
11	4.7	7.7 7.75 10	7.8	7.9	8.1 8.00 11	1.55
12	4.9	8.1 8.15 10	8.2	8.2	8.5 8.35 21	1.51
13	5.2	8.5 8.50 00	8.5	8.7	8.7 8.70 00	1.60
14	5.5	8.8 8.80 00	8.8	9.0	9.2 9.10 11	1.55
15	5.9	9.1 9.05 10	9.0	9.3	9.7 9.50 22	1.58
16	6.3	9.5 9.50 00	9.5	9.7	10.0 9.85 12	1.55
17	6.5	9.7 9.70 00	9.7	9.9	9.90 00	1.73
18	7.0	9.9 9.90 00	9.9			
19	7.2					ch W
20	7.3					
23	7.9 0.12					
25	8.0 7.9					
26	8.30 00					
27	8.3 8.3					
28	8.70 00					
29	8.7 8.7					
	9.05 01					
	9.0 9.1					
	9.50 00					
	9.5 9.5					
	9.9 0.60					
	9.9 9.9					

bell

Series 411

Jan 20, 1915

11	10	mc 7340 S ₂₁	Bole S ₂₂	mc 7346 P142	mean mc 7340 7346	mc 7340 7346	mean Diff	az	±PC	*		
5					5.5	5.50	5.30	5.40 10.5	1.09	5.5	8.7	8.7
6					5.7	5.70	5.55	5.62	1.49	5.7	6.0	
8				mean Diff	6.5	6.50	6.60	6.55	1.68	6.5	6.7	
9					7.0	6.95	7.10	7.02	1.81	6.9	7.3	
10	4.2			4.3 4.25 4.1 +4.77	7.3	7.30	7.40	7.35	1.67	7.3	7.5	
11	4.5			4.6 4.55 4.6 5.00	7.7	7.70	7.95	7.82	1.73	7.7	8.0	
12	4.9 4.85 10	4.8		4.7 4.75 4.95 5.08	8.1	8.10	8.30	8.20	1.66	8.1	8.5	
13		5.2		5.00 5.10 10.10 5.20	8.5	8.50	8.65	8.58	1.72	8.5	8.8	
14		5.5		5.25 5.38 12.12 5.27	8.7	8.80	9.00	8.90	1.75	8.9	9.1	
15		5.8		5.6 5.70 1.1 5.38	9.1	9.15	9.30	9.22	1.86	9.2	9.5	
16		6.2		6.0 6.10 1.1 5.30	9.5	9.60	9.70	9.65	1.75	9.7	9.8	
17		6.5		6.1 6.30 2.2 5.33	9.7	9.80	9.80	9.80	1.83	9.9	9.9	
18		6.9		6.5 6.70 2.2 5.36								
19		7.2		6.9 7.05 2.1 5.37								
20		7.4		7.2 7.30 1.1 5.43								
23		7.9		7.8 7.85 1.0 5.49								
25		8.3		8.20 8.25 5.05 5.62								
26		8.80		8.7 8.70 8.75 8.85 5.58								
27		9.10		9.1 9.25 9.18 9.27 5.57								
28		9.50		9.5 9.70 9.60 9.60 5.51								
29		9.80		9.8 9.80 9.80 9.80 5.86								

chW

* See page 142 for P.C. reduction.

* See note 2 for diff. P.C.'s p. 127

Series 411

Card.

Se 11

Jan 20, 1915

Copied

MC 7341		Se 2	Curve Magn.	a ¹ Mean Curve Magn.	a ²	PC Curve	* 4th P. Magn
1	1.2 3.2	.	.	5.8 5.75 +1.19 6.94	5.7	5.7 +1.21	8.7? 9.0 9.691
Very near edge	2 1.2 3.3	.	.	tp . . .	tp	5.5? 1.15	8.7 8.9 6.65?
" " "	3 1.3 3.3	.	.	tp . . .	tp	5.5 1.15	8.8 8.9 6.65
	4 1.5 3.5	.	.	5.7 5.70 1.18 6.88	5.7	5.9 1.27	tp + 1.17
	5 1.5 3.5	.	.	6.0 5.95 1.24 7.19	5.9	6.1 1.31	7.41
Main edge	6 1.7 3.7	.	.	5.9 5.80 1.21 7.01	5.7	6.1 1.31	7.41
Called this "1st scale" (for scale)	7 1.8 3.8	.	.	6.1 6.00 1.26 7.26	5.9	6.3 1.34	7.64
	8 1.9 3.9	.	.	6.1 6.10 1.28 7.38	6.1	6.3 1.34	7.64
	9 2.2 4.2	4.83 9.03	12.33 6.53	6.4 6.45 1.36 7.81	6.5	6.7 1.39	8.09
	10 2.4 4.4	4.90 9.30	2.40 6.80	6.8 6.85 1.43 8.28	6.9	7.1 1.44	8.54
	11 2.8 .	.	.	.	.	7.5	.
	12 2.3 4.3	4.87 9.17	2.37 6.67	7.2 7.25 1.51 8.76	7.3	7.5 1.47	8.97
	13 2.7 4.7	5.02 9.72	.	7.5 7.50 1.55 9.05	7.5	7.7 1.49	9.19
	14 4.9 4.80 il	4.7 5.05 9.85	.	8.2 8.25 1.67 9.92	8.3	8.4 1.52	9.92
	15	5.0 5.13 10.13	.	8.3 8.40 1.69 10.09	8.5	8.5 1.53	10.03
	16	5.2 5.16 10.36	.	8.2 8.25 1.67 9.92	8.3	8.5 1.53	10.03
	17	5.3 5.18 10.48	.	8.3 8.40 1.69 10.09	8.5	8.5 1.53	10.03
	18	5.5 5.21 10.71	.	8.8 8.90 1.74 10.64	9.0	9.2 1.56	10.76
	19	5.5 5.21 10.71	.	8.9 8.95 1.75 10.70	9.0	9.4 1.58	10.98
	20	5.7 5.25 10.95	.	9.1 9.20 1.78 10.98	9.3	9.3 1.57	10.87
	21	6.1 5.33 11.43	.	9.7 9.75 1.82 11.57	9.8	9.8 1.59	11.39
	22	6.9 5.43 12.33	.	.	.	ch W	.
	23	6.4 5.37 11.77	.	.	.	.	.
	24	6.5 5.38 11.88	.	.	.	.	.
	25	7.3 5.47 12.77	.	.	.	.	.
	26	7.3 5.47 12.77	.	.	.	.	.
	27	7.8 5.51 13.31	.	.	.	.	.
	28	8.7 7.7 13.21	.	.	.	.	.
	29	8.2 5.53 13.63	.	.	.	.	.

Correct magn. for time - see p 142

May be neglected

* See note for diff. P.C.'s p. 127

Bell

Darius 411

Jan 20, 1915

MC 7341 (cont)

No

act. -18

	S ₁₂			Curve Magn.	
30	83			+5.54	13.84
31	87	88	8.75 10	5.55	14.30
32	89	89	8.90 00	5.56	14.46
33	93	93	9.30 00	5.57	14.87
34	97	97	9.70 00	5.58	<u>15.28</u>
35	99	99	9.90 00	5.58	<u>15.48</u>
36					
37				chw	
38					
39					

Series 411

Card

Sc U

Jan 20, 1915 Copied

	Mc 7342	Curve Magn.	Carte 6 ^h +31.5	a ¹ mean Curve Magn.	a ²	pc Curve Magn.
1	Se1 3.2			6.1 6.10 ⁰⁰ +1.28 7.38	6.1	6.1 +1.31 7.41
2	4.2	4.82 9.02		6.7 6.70 1.41 8.11	6.7	6.9 1.27 ⁴² 8.17 ³²
3	4.3 4.45 ²¹	4.93 9.38		7.3 7.30 1.52 8.82	7.3	7.5 1.47 8.97
4	5.2 5.15 ⁰¹	5.15 10.30		8.1 8.15 1.66 9.81	8.2	8.1 1.51 9.61
5		5.4 5.19 10.59		8.5 8.50 1.71 10.21	8.5	8.3 1.52 ^{defecting} 9.82
6		5.5 5.21 10.71		8.5 8.60 ¹¹ 1.72 10.32	8.7	8.7 1.53 10.23
7		5.9 5.29 11.19		8.7 8.85 ¹² 1.74 10.59	9.0	9.1 1.56 10.66
8		6.1 5.32 11.42		8.7 8.90 ¹⁰ 1.75 10.65	9.1	9.3 1.57 10.87
9		6.4 5.37 11.77		9.1 9.15 1.77 10.92	9.2	8
10		6.7 5.41 12.11		near b. in .	9	
11		6.9 5.43 12.33		9.8 9.80 ⁰⁰ 1.83 11.63	9.8	
12		6.8 5.42 12.22				
13		7.2 5.46 12.66				ch W
14		7.5 5.50 13.00				
15		7.5 5.50 13.00				
16		7.5 5.50 13.00				
17		7.7 5.50 13.25				
18		8.3 5.53 13.83				
19		8.7 5.55 14.25				
20		9.5 5.57 14.97				

ch W

Correct magn. for time - see p 142

May be neglected

Bell

Series 411

Jan 20, 1915

Copied

Card.

MC 7343	Curve Magn.	at Mean Curve Magn.	at	PC Curve Magn.
1 3.9	3.9	6.7 6.70	+1.41 8.11	6.7 6.7 +1.40 8.10
2 4.3	+4.87 9.17	7.3 7.40	1.53 8.93	7.5 7.7 1.48 9.18
3 4.3	4.87 9.17	7.7 7.70	1.59 9.29	7.7 7.7 1.48 9.18
4 4.5	4.96 9.46	7.9 8.00	1.64 9.64	8.1 8.1 1.51 9.61
5 4.7 4.70	4.7 5.02 9.72	8.4 8.45	1.70 10.15	8.5 8.7 1.53 10.23
6	4.9 5.09 9.99	8.7 8.70	1.73 10.43	8.7 8.8 1.54 10.34
7	5.3 5.18 10.48	8.8 8.80	1.74 10.54	8.8 9.1 1.56 10.66
8	5.5 5.21 10.71	9.0 9.30	1.79 11.09	9.3 9.5 1.58 11.08
9	6.0 5.30 11.30	9.5 9.65	1.82 11.47	9.8
10	6.3 5.36 11.66	9.7 9.70	1.82 11.52	9.7 ch W
11	6.3 5.36 11.66	9.7 9.75	1.83 11.58	9.8
12	6.3 5.36 11.66	9.8 9.80	1.83 11.63	9.8
13	6.7 5.41 12.11			
14	7.2 5.47 12.67			ch W
15	7.5 5.50 13.00			
16	8.3 5.54 13.84			
17	8.5 5.54 14.04			
18	8.7 5.55 14.25			
19	9.1 5.57 14.67			
20	9.7 5.58 15.28			

ch W

Correct magn. for time - see p 142
 May be neglected " " "

Soll

Series 411

Jan 20, 1915

Copied

Card.

mc 7344 Cont 6 00 + 65		act + 22		pc Curve Magn.	
Sc1	Sc2	Curve Magn.	at mean Curve Magn. at		
1 3.6			6.3 6.30 ⁰⁰ +1.33 7.63 6.3	6.3 +1.34 7.64	
2 4.1		+4.80 8.90	7.3 7.30 ⁰⁰ 1.52 8.82 7.3	7.5 1.48 8.98	
3 4.7 4.70 ⁰⁰ 1.0	4.7	5.02 9.72	8.0 8.08 ⁰⁰ 1.64 9.64 +p	8.2 1.51 9.71	
4 4.9 4.95 ⁰⁰	5.0	5.10 10.05	8.3 8.30 ⁰⁰ 1.68 9.98 8.3	8.5 1.53 10.03	
5	5.2	5.16 10.36	8.5 8.50 ⁰⁰ 1.70 10.20 8.5	8.7 1.54 10.24	
6	5.3	5.18 10.48	8.7 8.70 ⁰⁰ 1.73 10.43 8.7	8.9 1.55 10.45	
7	5.8	5.28 11.08	9.0 9.05 ⁰⁰ 1.77 10.82 9.1	9.3 1.57 10.87	
8	6.0	5.30 11.30	9.3 9.40 ⁰⁰ 1.80 11.20 9.5	9.6 1.59 11.19	
9	6.3	5.35 11.65	9.5 9.50 ⁰⁰ 1.81 11.31 9.5		
10	6.5	5.38 11.88	9.7 9.70 ⁰⁰ 1.82 11.52 9.7		
11	6.9	5.43 12.33		dw	
12	7.1	5.46 12.56			
13	7.2	5.47 12.67			
14	7.5	5.50 13.00			
15	7.5	5.50 13.00			
16	7.7 7.70 ⁰⁰	5.50 13.20			
17	7.8 7.80 ⁰⁰	5.51 13.31			
18	8.5 8.50 ⁰⁰	5.54 14.04			
19	8.6 8.60 ⁰⁰	5.55 14.15			
20	9.0 9.00 ⁰⁰	5.56 14.61			

dw

Correct Magn. for time - see p 142

May be neglected

Re-meas. by O. May 4, 1916.

19 8.6

20 9.4

Above measure of 20 not incorrect.

Series 411

Soll

Jan 20, 1915

Copied

Card.

MC 7345		B3 640+45		act. +.22		3PC Curve Magn	
Sc1	Sc2	Curve Magn.	α Mean	Curve Magn.	α^2		
1 3.2			47 4.70		47	5.8	+1.09 6.39
2 3.3			53 5.30	+1.08	6.38	5.3	1.18 6.78
3 3.3			55 5.50	1.14	6.64	5.5	1.21 6.91
4 3.6			58 5.85	1.22	7.07	5.9	1.31 7.41
5 3.6			57 5.70	1.19	6.89	5.7	1.32 7.52
6 3.6			61 6.10	1.28	7.38	6.1	1.34 7.64
7 3.6			62 6.20	1.30	7.50	6.2	1.34 7.64
8 3.8			65 6.50	1.37	7.87	6.5	1.40 8.10
8 3.9			68 6.75	1.42	8.17	6.7	1.43 8.43
9 4.2		4.82 9.02	71 7.10	1.49	8.59	7.1	1.46 8.66
10 4.3		4.87 9.17	75 7.50	1.55	9.05	7.5	1.48 9.08
11 4.3		4.87 9.17	75 7.50	1.55	9.05	7.5	1.49 9.19
12 4.6		4.99 9.59	78 7.80	1.60	9.40	7.8	1.50 9.50
13 4.7		5.02 9.72	81 8.10	1.65	9.75	8.1	1.51 9.71
14 4.9		5.09 9.99	83 8.30	1.68	9.98	8.3	1.53 10.03
15 5.0 5.00 00	5.0	5.11 10.11	85 8.50	1.71	10.21	8.5	1.54 10.24
16 5.3 5.25 10	5.2	5.17 10.42	87 8.80	1.74	10.54	8.9	1.56 10.56
17 5.3 5.30 00	5.3	5.19 10.49	87 8.70	1.73	10.43	8.7	1.56 10.66
18	5.5	5.21 10.71	89 9.00	1.77	10.77	9.1	1.57 10.77
19	5.7	5.25 10.95	89 8.95	1.76	10.71	9.0	1.57 10.71
20	5.8	5.27 11.07	95 9.40	1.80	11.20	9.3	1.59 11.29
21	5.8	5.27 11.07	95 9.50	1.81	11.31	9.5	1.59 11.29
22	6.3	5.36 11.66	98 9.80	1.82	11.62	9	
22a	6.7	5.41 12.11					
23	6.9	5.42 12.32					
24	7.2	5.47 12.67					
25	7.5	5.50 13.00					
26	7.5	5.50 13.00					
27	7.5	5.50 13.00					
28	7.8	5.51 13.31					
29	8.2	5.54 13.74					

dw

Correct Magn. for time - see p142.

May be neglected " " "

Series 411

Sc U

Jan 20, 1915

5

mc 7346 Date B 3 act. +.22

				Curve	magn
30	8.3			5.54	13.84
31	8.5			5.54	14.04
32	9.0	9.0	9.00 ⁰⁰	5.56	14.56
33	8.5	8.5	8.50 ⁰⁰	5.54	14.04
34	9.3	9.3	9.30 ⁰⁰	5.57	14.87
35	9.5	9.3	9.40 ⁰⁰	5.57	14.97
36	10.0	10.0	10.00 ⁰⁰	5.59	<u>15.59</u>

cl W

Series 411

Se U

Jan 20, 1915

	me 7346	Pole	mean	α^2	pc	Mean Diff
	Sec 1	Sec 2	α			
5			5.3 5.30 00	5.3	5.3 5.5 5.40 11	+1.09
6			5.6 5.55 01	5.5	5.7 6.0 5.85 12	1.26
8			6.5 6.60 11	6.7	6.7 6.7 6.70 00	1.53
9			7.1 7.10 00	7.1	7.3 7.3 7.30 00	1.53
10	43		7.3 7.40 11	7.5	7.5 7.5 7.50 00	1.52
11	46		7.9 7.95 10	8.0	8.0 8.0 8.00 00	1.55
12	47		8.3 8.30 00	8.3	8.5 8.5 8.50 00	1.36
13	5.0 5.00 00	5.0	8.6 8.65 01	8.7	8.9 8.8 8.85 10	1.45
14	5.2 5.25 01	5.3	9.0 9.00 00	9.0	9.2 9.1 9.15 01	1.50
15		5.6	9.3 9.30 00	9.3	9.5 9.5 9.50 00	1.58
16		6.0	9.7 9.70 00	9.7	9.8 9.8 9.80 00	1.60?
17		6.1	9.8 9.80 00	9.8	9.9 9.9 9.90 00	1.73
18		6.5	+h	+h		
19		6.9				
20		7.2				
23		7.8				
25		8.20 00				
26		8.2 8.2				
27		8.70 00				
28		8.7 8.7				
		9.25 01				
		9.2 9.2				
		9.70 00				
		9.7 9.7				

chw

This plate "will require
correction for time" -
correction to be applied to
magnitudes after reduction
in usual way.

Correction will amount
to only 0.03 magn., and in
employing mean of 2 Pte plates,
may be neglected.

J. S. L. Feb. 4, 1915

2 vo

Images poor

Series 398

Se 7

Jan 25, 1915

9	40	MC 7204	Pole	mc	sub PC	sec	67 oii	mc 7209 P.148	mean	Diff.
5		B	c	7209 P.148	3.5 3.6	3.7	3.7	3.70 00	3.70	3.68 01 02 +2.81
6				Mean	Diff.	4.6	4.5	4.55 01	4.30	4.42 13 12 2.69
8						5.7	5.7	5.70 00	5.70	5.70 00 00 2.53
9						6.3	6.3	6.30 00	6.20	6.25 05 05 2.58
10	2.3 2.4			2.3 2.35 01	+6.67	6.5	6.5	6.50 00	6.50	6.50 00 00 2.52
11	2.9 3.0			2.8 2.90 11	6.65	7.2			7.3	7.25 01 2.30
12	3.2 3.3			3.1 3.20 11	6.66	7.7			7.7	7.70 00 2.16
13	3.5 3.6			3.5 3.55 01	6.75	8.1			8.1	8.10 00 2.20
14	3.8 3.9 3.95 10	40		3.75 3.85 10 10	6.80	8.6			8.5	8.55 01 2.10
15	4.2 4.3 4.30 00	43		4.30 4.30 00 00	6.78	8.9			9.0	8.95 10 2.13
16		47		4.7 4.70 00	6.70	9.4			9.4	9.40 00 2.00
17		50		5.0 5.00 00	6.63	9.7			9.8	9.75 20 1.98
18		57		5.5 5.60 11	6.46					
19		60		5.9 5.95 01	6.47					ch W
20		64 011		6.3 6.35 05 05	6.38					
23		71		7.0 7.05 10	6.29					
25		75		7.60 7.65 10	6.32					
26		80 000		8.0 8.00 00	6.33					
27		85 00		8.5 8.55 01 01	6.21					
28		88 10		8.8 8.80 03 03	6.29					
29	defective?	94 01		9.4 9.45 01	6.18					
30		99 00		9.9 9.95 02 02	6.16					

ch W

Series 398

Dec 4

Jan 25, 1915

April

Card.

MC 7205		bark 2 ov + 5.0		act. +.11		Curve Magn.	
B		C					
1	17 1.8			61	61	6.10 0.0	+2.55 8.65
2	23 2.4			61	65	6.60 1.1	2.46 9.06
3	32 3.3			77	77	7.70 0.0	2.23 9.93
4	35 3.6			82	82	8.15 1.0	2.16 10.31
5	37 3.8			87	87	8.55 2.1	2.09 10.64
6	41 4.2 4.20 4.2						2.01 11.11
7		48					2.03 11.03
8		52					1.98 11.48
9		57					
10		59					dw
11		67					
12		71					
13		78					
14		78					
15		79 1.0					
16		84 1.2					
17		85 1.0					
18		85 1.0					
19		89 0.1					
20		90 0.9					
		92 0.1					
		92 0.8					

No number

dw

Series 398

be 7

Jan 25, 1915

Copied

Mc 7206 Cont. 2 pu - 10.0				act - .07			
curve magn. pc				curve magn.			
1	2.4 2.5	+6.64	9.14 7.2	7.1 7.15	+2.34	9.47	
2	2.8 2.9	6.69	9.59 7.5	7.7 7.60	2.36	9.86	
3	3.0 3.1	6.72	9.82 7.7	7.7 7.70	2.24	9.94	
4	3.5 3.6 3.65 3.7	6.75	10.40 8.9	8.7 8.80	2.06	10.86	
5	5.1	6.62	11.72 9.7	9.8 9.85	1.97	11.72	
6	5.1	6.62	11.72 9.7		1.97	11.64	
7	5.3	6.57	11.87 9.9		1.96	11.86	
8	5.3	6.57	11.87				
9	5.7	6.50	12.20				
10	5.8	6.47	12.27				
11	6.2	6.41	12.61				
12	6.4	6.38	12.78				
13	6.7	6.26	13.06				
14	7.1	6.34	13.44				
15	7.4 7.5	6.31	13.71				
16	7.7 7.8	6.29	13.99				
17	7.9 8.0	6.30	13.80				
18	8.1 8.2	6.28	14.23				
19	8.3 8.4	6.27	14.37				
20	8.5 8.6	6.20	15.30				

d.w.

Images poor

Series 398

Day

Jan 25, 1915

Copied

Card.

me 7207		bark 200 + 17.5		aet + 18	
		Curve Magn	PC	Curve Magn	
1	13.14		55 54 5.45 10	+2.64	8.09
2	23.24	+6.63	9.03 69 69 6.90 00	2.39	9.29
3	28.29	6.69	9.59 75 75 7.50 00	2.27	9.77
4	32.33	6.73	10.03 79 80 7.95 10	2.18	10.13
5	33.34	6.74	10.14 80 81 8.05 01	2.16	10.21
6	37.38 3.90 ¹¹	40 6.75	10.65 87	8.70 00	2.07 10.77
7	41.42 4.25 ⁰¹	43 6.74	10.99 89	8.90 00	2.04 10.94
8		53 6.57	11.87		
9		53 6.57	11.87		dw
10		63 6.40	12.70		
11		65 6.37	12.87		
12		72 6.33	13.53		
13		75 7.5 6.30	13.80		
14		8.10 00 8.1 8.1 6.26	14.36		
15		8.40 11 8.5 8.7 6.24	14.64		
16		8.70 00 8.7 8.7 6.22	14.92		
17		9.00 00 9.0 9.0 6.20	15.20		

dw

Series 398

Se V

Jan 25, 1915

Copied

Card.

Mc 7208			balt = 2.00 + 46.5			act + 2.3		
	B		Curve Magn. Pe			Curve Magn.		
1	1.0	1.1	5.1	5.1	5.10 ⁰⁰	+2.68	7.78	
2	1.3	1.4	5.3	5.3	5.30 ⁰⁰	2.66	7.96	
3	2.1	2.2	6.2	6.5	6.35 ⁰⁰	2.50	8.85	
4	2.5	2.6	+6.66	9.26	6.9 7.0	2.38	9.33	
5	2.7	2.8	6.68	9.48	7.5 7.3	2.30	9.70	
6	2.9	3.0	6.70	9.70	7.5	2.27	9.77	
7	3.3	3.4	6.74	10.14	8.2	2.14	10.34	
8	4.3	4.4 4.45 ⁰¹	6.72	11.17	9.5	1.98	11.48	
9	5.1	5.2 5.25 ⁰¹	6.58	11.83	too close to brim			
10		5.3	6.57	11.87				chw.
11		5.5	6.54	12.04				
12		5.5	6.54	12.04				
13		6.2	6.41	12.61				
14		6.7	6.36	13.06				
15		7.0	6.34	13.34				
16		7.40 ⁰¹	6.31	13.71				
17		7.80 ⁰⁰	6.28	14.08				
18		8.05 ⁰¹	6.27	14.32				
19		8.70 ⁰⁰	6.22	14.92				
20		8.95 ⁰⁰	6.21	15.16				

chw

Series 398

Dec 7

Jan 25, 1915

mc 7209 Cole

5		9.2
6		3.7 3.7 3.70 0.0
8		4.3 4.3 4.30 0.0
9		5.7 5.7 5.70 0.0
10	2.2 2.3	6.2 6.2 6.20 0.0
11	2.7 2.8	6.5 6.5 6.50 0.0
12	3.0 3.1	7.3
13	3.4 3.5	7.7
14	3.7 3.8 3.75 3.7	8.1
15	4.2 4.3 4.30 4.3	8.5
16	4.7	9.0
17	5.0	9.4
18	5.5	9.8
19	5.9	
20	6.3	
23	7.0	
25	7.60 1.1	
26	7.5 7.7	
27	8.00 0.0	
28	8.0 8.0	
29	8.45 1.0	
30	8.6 8.4	
	8.80 0.0	
	8.8 8.8	
	9.50 0.0	
	9.5 9.5	
	9.5 1.0	
	9.9 9.8	

11 25

Series 360

Feb 25, 1915

Ser

12	25	mc 6733	Pole.	mc	mean	Diff	P.C.	mc	mean	Diff
		13	e	6.738			4.3	6.738	10.10	+2.29
5				P.155				4.1	4.20	0.10
6							5.1	5.2	5.15	0.05
8							6.2	6.2	6.20	0.00
9							6.8	6.8	6.80	0.00
10	27 2.8			2.8	2.80	0.00	+6.22	7.0	7.00	0.00
11	3.2 3.3			3.3	3.30	0.00	6.25	7.5	7.40	0.10
12	3.6 3.7			3.7	3.70	0.00	6.16	7.8	7.75	0.05
13	3.8 3.9 3.95 4.0			4.0	4.00	0.00	6.30	8.2	8.25	0.05
14	4.3 4.4 4.45 4.5			4.5	4.50	0.00	6.27	8.5	8.55	0.05
15				4.9	5.0	0.10	6.13	8.9	8.95	0.05
16				5.3	5.4	0.10	6.05	9.3	9.50	0.20
17				5.5	5.6	0.10	6.08	9.5	9.80	0.30
18				5.9	5.9	0.00	6.16	9.9	9.90	0.00
19				6.2	6.2	0.00	6.22			
20				6.5	6.6	0.10	6.18			
23				7.1	7.1	0.00	6.24			
25				7.6	7.7	0.10	6.22			
26				8.0	8.0	0.00	6.28			
27				8.4	8.4	0.00	6.21			
28				8.9	8.9	0.00	6.13			
29				9.4	9.4	0.00	6.14			
30				10.0	10.0	0.00	6.04			

ch W

Series 360

Se V

Feb 25, 1915

Copied

Card.

	Me 6734	D3	Alt. corr. -18	Pc	Curve Magn.	
	B					
	Bn					
1				Curve Magn. 43	.	.
2				43	.	.
3				43	.	.
4	1.4			49	+2.01	6.91
5				50	2.01	7.01
6				51	2.02	7.12
7				55	2.03	7.53
8	2.1 2.2			55	2.03	7.53
9	2.3 2.4			6.0	2.04	8.04
10	2.5 2.6	+6.27	8.87	6.5	2.04	8.54
11	2.7 2.8	6.24	9.04	6.5	2.04	8.54
12	2.8 2.9	6.24	9.14	6.8	2.04	8.84
13	2.2 3.3	6.23	9.53	7.20 7.1	2.05	9.25
14	3.5 3.6	6.21	9.81	7.9	2.07	9.97
15	3.5 3.6	6.21	9.81	8.1	2.08	10.18
16	3.7 3.8 3.80	6.20	10.00	8.1	2.08	10.18
17	4.1 4.2 4.20	6.19	10.39	8.1	2.10	11.10
18		6.18	10.78	9.0 9.0	2.10	11.10
19		6.17	10.87	9.2 9.2	2.10	11.30
20		6.17	10.87	9.7 9.7	2.12	11.82
21		6.15	11.25	9.7 9.7	2.12	11.82
22		6.2	12.36			
23		5.60 5.5	6.14	11.74		
24		5.8	6.14	11.94		
25		6.5	6.18	12.68		
26		6.7	6.20	12.90		
27		7.2	6.21	13.41		
28		6.8	6.20	13.00		

Series 360

Sev

Feb 25, 1915

MC 6734 cont-

act. corr. - 18

				Curve Magn.	
29	73			+6.22	13.52
30	77			6.21	13.91
31	79			6.21	13.11 ⁴
32	85	85	8.50 00	6.19	14.69
33	87	85	8.60 11	6.18	14.78
34	89	87	8.80 11	6.17	14.97
35	93	95	9.40 11	6.11	15.51
36	98	98	9.80 00	6.09	15.89
37	†				
38				chw	
39					

Series 360

Dev

Feb 25, 1915

Copied

MC 6735	b	alt. corr. +17	Curve Magn.	pc	Curve Magn.	
1 Bv.				43		260 6.1 6.16 12.26
2 Bv.				48	+2.02	261 6.2 6.17 12.47
3 1.2 1.3				51	2.03	7.13
4 1.3 1.4				53	2.03	7.33
5 1.3 1.4				53	2.03	7.33
6 1.6 1.7				57	2.04	7.74
7 1.9 2.0				60	2.04	8.04
8 2.2 2.3				62	2.04	8.24
9 2.5 2.6			+6.26	65	2.04	8.54
10 2.7 2.8			6.24	67	2.04	8.74
11 2.8 2.9			6.24	69	2.04	8.94
12 2.1 3.2			6.23	71	2.05	9.15
13 2.3 3.4			6.23	73	2.06	9.36
14 3.6 3.7			6.21	77	2.06	9.76
15 3.8 3.9 3.95 ^{5.5 or}	40	6.20	10.15	79	2.07	9.97
16	43	6.19	10.49	83	2.08	10.38
17	43	6.19	10.49	85	2.09	10.59
18	43	6.19	10.49	85	2.09	10.59
19	45	6.18	10.68	87	2.09	10.79
20	49	6.16	11.06	90	2.10	11.10
21	50	6.15	11.15	89	2.10	11.00
22	51	6.15	11.25	89	2.10	11.00
23	54	6.14	11.54	93 ^{93.00}	2.11	11.41
24	59	6.15	12.05			
25	59	6.15	12.05			chw
26	61	6.16	12.26			
27	65	6.19	12.69			
28	69	6.21	13.11			
29	71 ^{71.60}	6.21	13.71			
30	75	6.21	13.81			
31	83	6.20	14.50			
32	89	6.16	15.26			
33	91	6.14	15.24			

Orion 360

Sev

Feb 25, 1915

Copied

MC 6736			Orion		Alt. cor.		Curve Magn.	
B			Curve Magn.		PC		Curve Magn.	
a	1.0	1.1			52		+2.03	7.23
b	3.1	3.2	+6.23	9.43	69		2.04	8.94
c	3.3	3.4	6.23	9.63	72		2.06	9.26
d	3.9	4.0	6.20	10.20	81		2.07	10.17
e	3.0	3.1	6.24	9.34	73		2.06	9.36
f	4.2	4.3	6.19	10.49	85	85	2.09	10.64
g	3.8	3.9	6.20	10.10	80	82	2.07	10.17
h	4.0	4.1	6.20	10.30	86	85	2.09	10.64
i	4.2		6.19	10.39	87	87	2.09	10.79
j	5.5	5.7	6.15	11.75	88			
k	5.3		6.15	11.45				ch W
l	5.5		6.15	11.65				
m	5.7		6.15	11.85				
n	5.7		6.15	11.85				
o	5.7		6.15	11.85				
p	6.7		6.20	12.90				
q	6.9		6.21	13.11				
r	7.5		6.21	13.71				
s	8.1		6.20	14.30				
t	8.7	8.7	6.17	14.87				
u	9.0	9.0	6.16	15.16				
v	9.5	9.5	6.11	16.61				

ch W

Series 360

8c1

Feb 25, 1915 Copied

MC 6737		M13 Orion		alt. corr. -0.1	Curve Magn.	
B	C	Curve Magn.	pc			
1 2.1 2.2			6.1	+2.04	8.14	
2 2.3 2.4			6.3	2.06	8.34	
3 2.7 2.8		16.25	9.05	6.65 2.1	8.70	
4 3.9 4.0 4.00 4.0		6.20	10.20	7.95 2.0	10.02	
5	4.7	6.17	10.87	8.40 2.1	10.48	
6	5.1	6.15	11.25	9.00 2.1	11.10	
7	5.3	6.14	11.44			
8	5.8	6.14	11.94			clw
9	6.1	6.16	12.26			
10	6.3	6.17	12.47			
11	6.5	6.20	12.80			
12	6.9	6.21	13.11			
13	7.1	6.21	13.31			
14	7.8	6.21	13.01			
15	8.0	6.21	14.21			
16	8.5	6.18	14.68			
17	8.9	6.16	15.06			
18	9.60 2.1	6.10	15.70			
19	9.70 2.0	6.10	15.80			
20	9.7	6.10	15.80			

a	6.7	6.20	12.90	-8.0
b	7.0	6.21	13.21	
c	7.5	6.21	13.71	
d	7.7	6.22	13.92	
e	8.0	6.21	14.21	
f	8.5	6.19	14.69	
g	8.9	6.16	15.06	
h	9.3	6.13	15.43	
i	9.7	6.11	15.61	
j	9.7	6.10	15.80	

Sev

Series 360

Sub 25, 1915

MC 6738 Pole				PC
5				4.1
6				5.2
8				6.2
9				6.8
10	2.7	2.8		7.0
11	3.2	3.3		7.5
12	3.5	3.6		7.8
13	3.9	4.0	4.05	8.2
14			4.3	8.60 1.1
15			5.0	8.5 8.7
16			5.4	8.95 1.0
17			5.6	8.9 9.0
18			5.9	9.50 0.0
19			6.2	9.5 9.5
20			6.6	9.80 0.0
23			7.1	9.8 9.8
25			7.7	
26			8.10 0.0	
27			8.1 8.1	
28			8.50 0.0	
29			8.5 8.5	
30			8.95 1.0	
			8.9 9.0	
			9.60 1.1	
			9.5 9.7	
			9	

2 55

Series 360

Set

Feb 26, 1915

10	00	MC 6138	Bole	MC	PC	MC	Mean	Diff.
5	B		C	6744	4.3	6744	4.2	4.25 ± 2.24
6				8.160			4.9	4.95 ± 2.16
8				Mean Diff.	5.0		6.1	6.10 ± 2.13
9					6.1		6.8	6.75 ± 2.08
10	2.7	2.8		2.7	2.75	+6.27	7.0	7.00 ± 2.02
11	3.3	3.4		3.3	3.35	6.20	7.7	7.60 ± 1.95
12	3.5	3.6		3.6	3.60	6.26	8.0	7.85 ± 2.01
13	3.9	4.0	4.05	4.1	4.00	4.02	8.2	8.25 ± 2.05
14	4.2	4.3	4.30	4.3	4.40	4.35	8.6	8.78 ± 1.87
15				4.9	4.7	4.80	9.0	9.15 ± 1.93
16				5.4	5.3	5.35	9.5	9.60 ± 1.80
17				5.7	5.5	5.60	9.8	9.80 ± 1.83
18				6.1	6.0	6.05	6.01	
19				6.25	6.3	6.3	6.28	6.14
20				6.7	6.6	6.65	6.08	
23				7.2	7.1	7.15	6.19	
25				7.7	7.6	7.65	6.22	
26				8.1	8.1	8.20	8.15	6.18
27				8.5	8.5	8.60	8.55	6.14
28				8.9	9.0	9.10	9.02	6.09
29				9.5	9.7	9.65	9.62	6.04
30					10.00	10.00		6.04

chw

Dev

Series 360

Feb 26, 1915

MC 6739 E Orionis - ⁰mil (per f)

Copied

MC 6740		R Z Aurigae		5 50 + 32.5		alt. corr. +22	
B		curve magn. pc		curve magn.			
a	29 3.0	+6.31	9.31	69	+2.04	8.94	
b	33 3.4	6.28	9.68	75	2.01	9.51	
c	39 4.0 4.00	40	6.23	10.23	86.6 1.2	1.93	10.53
d	38 3.9 3.90	39	6.23	10.13	80 ?	1.98 ?	9.98 ?
e		5.2	6.14	11.34			
f		5.1	6.14	11.24	92 ?	1.87 ?	11.07 ?
g		5.3	6.13	11.43			
h		7.10 1.1	6.17	13.27			ch W
i		7.3	6.19	13.49			
j		6.2 ?	6.10 ?	12.30 ?			
k		7.2	6.18	13.38			
l		8.7	6.12	14.82			
m		7.1	6.17	13.27			
n		9.00 0.0	9.0	6.09	15.09		
o		9.85 1.0	9.9	6.03	15.88		

ch W

Series 360

Sc 1

Feb 26, 1915

Mc 6741 Y Aniquae - Onit (see f)

" 6742

" 6743

D4 -

alt. corr. -18

Cura

Magn.

Copied

In f a p c

1	Bm	.	.	47	+2.16	6.86
2		.	.	52	2.12	7.32
3	17 1.8	.	.	53	2.12	7.42
4	17 1.8	.	.	55	2.11	7.61
5	20 2.1	.	.	60	2.08	8.08
6	23 2.4	.	.	64	2.06	8.46
7	22 2.3	.	.	67	2.07	8.27
8	27 ^{2.8} 24 ^{2.5} 2.65 ^{2.1} +6.36	9.01	68	2.05	8.85	
9	23 2.4	.	.	64 ^{0 1'} 63 65	2.06	8.46
10	25 2.6	6.36	8.96	68	2.05	8.85
11	20 3.1	6.30	9.40	72	2.03	9.23
12	30 3.7	6.35	9.95	79 ^{0 1'} 80 78	1.99	9.89
13	32 3.3	6.29	9.59	78	1.99	9.79
14	35 3.6 3.65 ^{0'} 37	6.35	9.90	81	1.97	10.07
15		41 6.22	10.32	84	1.95	10.35
16		41 6.22	10.32	86 ^{0 1'} 87 85	1.93	10.53
17		43 6.20	10.50	Too close to another in		
18		42 6.21	10.41	86 ^{0 1'} 87 85	1.93	10.53
19		43 6.20	10.50	88 ^{0 1'} 89 87	1.90	10.75
20		47 6.17	10.87	92 ^{0 1'} 93 91	1.87	11.12
21		51 6.14	11.24	97 ^{0 1'} 97 95	1.83	11.53
22		53 6.13	11.43			
23		55 6.11	11.61			clw
24		57 6.09	11.79			
25		61 6.09	12.19			
26		63 6.10	12.30			

Dev

Series 360

Feb 26, 1915

MC 6743 cont

alt. corr. $-18'$

		Active Magn.
27	6.60 11 6.5 6.7	+6.14 12.74
28	7.0	6.17 13.17
29	7.0	6.17 13.17
30	7.7	6.19 13.89
31	7.9	6.19 14.09
32	8.0	6.19 14.19
33	8.2 8.40 11	6.18 14.38
34	8.5 8.3 8.70 8.0	6.16 14.56
35	8.7 8.7 8.85 1.0	6.12 14.82
36	8.9 8.8 9.15 1.0	6.10 14.95
37	9.7 9.9 9.85 0.1	6.03 15.78
38	9.8 9.9	6.03 15.88
39	8	.
40	8	.

ch W

Sc V

Series 360

Feb 26, 1915

mc 6744 Bole

	B	C	pc
5			42
6			49
8			61
9			68
10	26.27		70
11	32.33		77
12	35.36		80
13	39.40 40.00	40	83
14		44	89
15		47	93
16		53	97
17		55	9
18		60	
19		63	
20		66	
23		71	
25		76	
26		82.00	
		82.82	
27		86.00	
		87.85	
28		91.00	
		91.91	
29		96.50	
		96.97	
30		100.00	
		100.00	

11 45

Series 397

Dec. V

Mch 4, 1915

9	25	mc 7193	Pole	mc	mc	tnc	mc	Mean	Diff	PC	*	mc	mc
				7188	7194	7188	7194					7188	7194
				P.165	P.170	P.165	P.170					P.165	P.170
5				43	4.40	4.5	4.30	4.30	4.33	2.16	4.8	4.7	5.1
6				50	5.10	5.2	4.95	5.10	5.05	2.06	5.4	5.2	6.1
8				57	5.80	5.9	5.95	6.25	6.00	2.23	6.9	6.80	7.2
9				64	6.45	6.5	6.35	6.90	6.57	2.16	7.3	7.2	7.9
10	2.8	2.9		3.8	3.0	2.90	2.70	2.70	2.70	1.89	7.5	7.4	8.2
11	3.2	3.3		3.3	3.4	3.33	3.22	3.6	3.65	1.92	8.1	7.8	8.7
12	3.5	3.6		3.6	3.8	3.67	3.67	7.5	7.60	2.04	8.5	8.1	9.2
13	4.0	4.1	4.20	4.3	4.15	4.30	4.22	6.08	8.2	1.87	9.0	8.5	9.7
14				4.7	4.7	4.73	5.9	2.85	8.50	1.93	9.4	8.7	9.9
15				5.2	5.1	5.2	5.17	5.9	1.88	8.80		9.2	
16				5.7	5.5	5.7	5.63	5.77	9.15	1.92		9.7	
17				5.9	5.8	6.0	5.90	5.73		2.03		9.8	
18				6.5	6.3	6.7	6.50	5.56		2.26			
19				6.8	6.7	6.9	6.80	5.62					
20				7.2	7.0	7.2	7.13	5.60					
23				7.7	7.5	7.7	7.63	5.71					
25				8.1	8.0	8.2	8.10	5.77					
26				8.5	8.5	8.8	8.60	5.73					
27				9.0	9.1		9.05	5.64					
28				9.5	9.3	9.5	9.43	5.68					
29				9.9	9.8	9.9	9.87	5.79					

cl W

Diff. images poor.

* Delay reduction of P.C.'s "H.S.L."

Series 397

Set

Mar 4, 1915

Copied

Card

MC 7184 base			8.00 + 5.0		Curve Magn.		act. corr. +.11	
1	B	C	Curve Magn.		h		PC	
1	1.2	1.3			49	5.00	5.1	7.11
2	2.6	2.7	+6.22	8.92	6.3	6.40	6.5	2.01 8.41
3	3.4	3.5	6.13	9.63	7.1	7.15	7.2	1.97 9.12
4	3.7	3.8	6.09	9.89	7.5	7.60	7.7	1.94 9.54
5	4.1	4.25	6.02	10.27	8.0	8.05	8.1	1.94 9.99
6		4.3	6.01	10.31	8.1	8.20	8.3	1.94 10.14
7		5.0	5.88	10.88	8.5	8.60	8.7	1.94 10.54
8		5.1	5.87	10.97	8.9	8.95	9.0	1.97 10.92
9		5.5	5.81	11.31	9.1	9.10	9.1	1.99 11.09
10		6.25	5.69	11.94				
11		6.3	5.68	11.98				ch W
12		7.2	5.60	12.80				
13		7.2	5.60	12.80				
14		7.1	5.60	12.70				
15		7.3	5.60	12.90				
16		7.3	5.60	12.90				
17		7.60	5.60	13.20				
18		8.0	5.62	13.62				
19		8.3	5.63	13.93				
20		9.0	5.68	14.68				

ch W

Series 397

Scy

Mch 4, 1915 copied

Card.

MC 7187		D ₅	alt.	corr. -18	Curve Magn.		PC
B		C	Curve Magn.	g	h		
1	1.3 1.4	.	.	47 47.0 47	+2.14	6.84	52
Plate cracked & 2 across images		.	.	100 mm crack		.	60
3	19 20	.	.	49 49.5 50	2.12	7.07	57 59
4	2.1 2.2	.	.	51 51.0 51	2.10	7.20	61
5	2.3 2.4	.	.	61 61.0 61	2.03	8.13	63 65
6	2.3 2.4	.	.	60 60.0 60	2.04	8.04	67
7	2.7 2.8	+6.20	9.00	63 63.0 63	2.01	8.31	71
8	2.8 2.9	6.20	9.10	65 65.0 65	2.00	8.50	71
9	3.0 3.1	6.18	9.28	68 68.5 69	1.99	8.84	
10	3.3 3.4	6.15	9.55	72 72.0 72	1.97	9.17	
11	3.3 3.4	6.15	9.55				
12	3.5 3.6	6.12	9.72			ch W	
13	3.8 3.9 3.95 ¹⁰	4.0	6.06 10.01				
14	4.0 4.1 4.10 ⁰⁰	4.1	6.04 10.14				
15		4.3	6.01 10.31				
16		4.3	6.01 10.31				
17		4.7	5.93 10.63				
18		4.9	5.90 10.80				
19		5.1	5.87 10.97				
20		6.0	5.73 11.73				
21		6.1	5.72 11.82				
22		6.4	5.67 12.07				
23		6.9	5.62 12.52				
24		6.7	5.64 12.34				
25		6.8	5.63 12.43				
26		7.2	5.60 12.80				
27		7.5	5.60 13.10				
28		7.5	5.60 13.10				

P.C. and diff. images too elongated to measure. After measuring.

Series 397

Dev

Mar 4, 1915

MC 7187 cont

alt. corr. -18

C		Curve Magn.	
29	77	+5.60	13.30
30	81	5.62	13.72
31	83	5.63	13.93
32	87	5.66	14.36
33	89	5.67	14.57
34	90	5.68	14.68
35	95	5.74	15.24
36	95	5.74	15.24
37	97	5.76	<u>15.46</u>

elw

Sc V

Series 397

Mch 4, 1915

mc 7188 B c

		g h	pc
5		4.34 ⁰⁰ 4.3	4.1
6		4.94 ⁰⁵ 5.0	5.2
8		5.95 ⁰⁵ 6.0	6.5
9		6.40 ¹¹ 6.5 6.36 ³⁵ 6.3	7.2
10	27.2.8	7.07 ⁰⁵ 7.1	7.4
11	3.23.3	7.57 ⁵⁰ 7.5	7.8
12	3.53.6	7.77 ¹⁵ 7.8	8.1
13	4.0 4.1 4.15 ¹⁰	8.18 ¹⁰ 8.1	8.5
14		8.58 ⁵⁰ 8.5	8.7
15		8.98 ⁰⁰ 8.9	9.2
16		9.39 ⁴⁰ 9.5	9.7
17		9.59 ⁶⁰ 9.7	9.8
18		9.89 ⁸⁰ 9.8	
19			
20			
23			
25			
26			
27			
28			
29			
30			

11 30

Series 397

Se V

Mch 4, 1915

Copied

Card

11	55	mc 7189 b5	Alt. corr. +.17	Curve Magn.	g	n	Curve Magn.	pe
1	1.2	1.3	.	.	49.49 ⁰⁰	49	+2.12	7.02
2	2.1	2.2	.	.	57.57 ¹⁰	58	2.06	7.81
3	2.2	2.3	.	.	th	th	.	6.1
4	2.3	2.4	.	.	58.58 ⁵⁰	59	2.05	7.90
4a	2.6	2.7	+6.22	8.92	62.62 ²⁰	62	2.03	8.23
5	2.9	3.0	6.19	9.19	69.69 ⁰⁰	69	1.98	8.88
6	3.1	3.2	6.17	9.37	71.71 ¹⁰	72	1.97	9.12
7	3.1	3.2	6.17	9.37	70.70 ⁰⁵	71	1.97	9.02
8	3.3	3.4	6.15	9.55	73.73 ⁴⁰	75	1.96	9.36
9	3.6	3.7	6.10	9.85	78.78 ⁰⁰	78	1.94	9.74
10	3.9	4.0	6.06	10.06	79.79 ¹⁰	80	1.94	9.89
11		4.0	6.06	10.06	79.79 ⁵⁰	80	1.94	9.89
12		4.2	6.03	10.23	81.81 ²⁰	83	1.94	10.14
13		4.7	5.93	10.63	87.87 ¹⁰	87	1.95	10.65
14		4.9	5.89	10.79	87.88 ⁰⁰	89	1.96	10.76
14a		5.1	5.87	10.97	92.92 ²⁰	92	2.00	11.20
15		5.3	5.84	11.14	92.92 ⁰⁰	92	2.00	11.20
16		5.5	5.81	11.31	95.95 ⁰⁰	95	2.03	11.53
17		6.0	5.73	11.73	97.97 ¹⁰	99	2.08	11.88
18		6.1	5.72	11.82				
19		6.3	5.68	11.98				
20		6.5	5.66	12.16				
20a		6.8	5.62	12.42				
21		7.1	5.60	12.70				
22		7.4	5.60	13.00				
23		7.7	5.60	13.90				
24		7.7	5.60	13.30				
25		8.3	8.5	5.64	14.04			

dW

Dev

Series 397

Mch 4, 1915

alt. corr. +.17

MC 7189		los Curve Magn.	
C			
26	8.3	+5.63	13.93
27	8.5	5.64	14.14
28	9.2	5.70	14.90
29	9.5	5.74	15.24
30	9	.	.
31	9.1	.	.

ch W

Series 397

Sev

Mch 4, 1915

Copied

Card.

MC 7190 bark 9		+ 25.0		alt. corr. +20		PC		
Curve Magn.		g		Curve Magn.				
1	2.2 2.3			6.2	along +2.03	8.23	7.1	
2	2.3 2.4			6.2	?	2.02	8.32	7.3
3	3.4 3.5	+ 6.13	9.63	77.7 75.78	1.94	9.69	Saw near another im	
4	4.1 4.2 4.20 4.2	6.03	10.23	87.8 70.81	1.95	10.60	9.3	
5	5	5.0	5.89	10.89	89.8 95.90	1.97	10.92	9.8
6		5.0	5.89	10.89	89.8 90.89	1.96	10.86	9.8
7		5.5	5.82	11.32	90.9 30.93	2.01	11.31	
8		5.8	5.77	11.57	95.9 65.98	2.05	11.70	
9		6.1	5.72	11.82	98.9 85.99	2.07	11.92	
10		6.60 5.1	6.5	5.65	12.25			
11		7.1	5.68	12.70				
12		7.3	5.60	12.90				
13		7.5	5.60	13.10				
14		7.9	5.61	13.51				
15		8.0	5.62	13.62				
16		8.2	5.63	13.83				
17		8.7	5.66	14.36				
18		9.0	5.68	14.68				
19		9.3	5.71	15.01				
20		9.8	5.77	15.57				

ch W

Series 397

Dev

Mch 4, 1915

Copied

Card.

MC 7193		barte 16.00 + 65.0		Curve Magn.		Curve Magn.		alt. corr. +19
1	17 1.8			5.2	5.20 5.2	+2.10	7.30	6.1
2	20 2.1			5.3	5.30 5.3	2.09	7.39	6.3
3	22 2.3			6.1	6.15 6.2	2.03	8.18 W.S.	6.5 6.7
4	27 2.8		+6.21 9.01	6.9	long	1.99	8.89	7.2
5	31 3.2		6.17 9.37	7.3	7.30 7.3	1.96	9.26	7.7
6	40 4.1 4.10 4.1		6.04 10.14	8.0	8.05 8.1	1.94	9.99	8.9
7		5.0	5.89 10.89	8.7	8.80 8.9	1.96	10.76	9.7
8		5.2	5.86 11.06	9.1	9.20 9.3	2.00	11.20	9.8
9		5.7	5.78 11.48					
10		6.6 6.11	6.5 6.7 5.65 12.25					
11		6.9	5.62 12.52					
12		7.1	5.60 12.70					
13		7.3	5.60 12.90					
14		7.6	5.60 13.20					
15		7.9	5.62 13.52					
16		8.0	5.62 13.62					
17		8.4	5.64 14.04					
18		9.0	5.68 14.68					
19		9.6 9.11	9.5 9.7 5.75 15.35					
20		9.8	5.77 15.57					

ch W

Series 397

Dev

Mch 4, 1915

MC 7194 Pole

		g	h	pc
5		4.24.30	4.3	5.1
6		5.15.10	5.1	6.1
8		6.26.25	6.3	7.2
9		6.9.6.90	6.9	7.9
10	29.3.0	7.17.15	7.2	8.2
11	33.3.4	7.7.7.5	7.8	8.7
12	37.3.8	8.18.10	8.1	9.2
13	42.4.3 4.30	9.09.0.5	9.1	9.7
14		9.09.15	9.3	9.9
15		9.59.6.0	9.7	
16		9.99.9.0	9.9	
17				
18				
19				
20				
23				
25				
26				
27				
28				
29				

1 48

MC 7185, 7186, 7191 + 7192 omitted from this series (du f)
 P.C.s of this series are elongated.

Stars near Praesepe

Mch 22, 1915

Sc W

10	30	MC 8160	8	34	+ 20.1	(Yellow)	Diff.	Curv	Magn.	Diff.	Diff.		
[692] A0 +21	1909	20	492	473	6.73	-0.19	8.5	8.40 11	-1.58	-1.35	7.05	[+13]	
[473] A0	1895	B _n					5.0	4.9	4.95 01	-0.22	-0.22	4.73	[.00]
[417] K0 +18	2027	B					3.2	3.2	3.20 00				
698 K0 +20	2185	A2	4.59	6.79	-0.19		8.2	8.3	8.25 01	-1.30	6.95		-0.03
660 A0 +20	2178	A9	4.70	4.82	6.72	+0.12	7.9	8.0	7.95 10	-1.35	-1.22	6.73	+13
790 A3 +19	2083	A0	3.90	3.76	7.76	-0.14	9.2	9.3	9.25 01	-1.35	-1.50	6.75	-15
675 A3 +20	2175	A9	4.85	4.82	6.72	-0.03	7.9	7.9	7.90 00	-1.15	-1.21	6.69	-0.06
632 A2 +20	2171	B _n					7.3	7.3	7.30 00	-0.98	-1.03	6.27	-0.05
740 A +20	2163	A2	4.20	4.04	7.24	-0.16	8.5	8.5	8.50 00	-1.10	-1.37	7.13	-2.27
715 A +20	2153	A3	3.35	3.82	7.62	+0.47	8.7	8.7	8.7 A	-1.55	-1.42	7.28	+13
668 K0 +20	2150	A3 w5	4.82	6.72	+0.04		7.6	7.7	7.65 01	-1.13	6.52		-1.16
694 A +20	2152	A0	3.94	4.3	7.63	+0.19	8.5	8.5	8.5	-1.56	-1.38	7.12	+18
640 G5 +20	2166	A9	1.7	4.70	6.70	+0.30	7.3	7.3	7.30 00	-1.02	6.28		-1.12
652 A0 +20	2159	B _n					7.7	7.6	7.65 10	-1.13	-1.13	6.52	.00
648 K0 +20	2158	B _n					7.5	7.3	7.40 11	-1.05	6.35		-1.13
820 A2 +20	2123	A3	3.90	3.67	7.97	-0.23	9.8	9.8	9.80 00	-1.60	-1.53	8.27	+0.07
. A0 +20	2132	A3	3.82	7.62			8.7	8.7	8.70 00	-1.42	7.28		
. A2 +20	2125	A3	4.10	7.20			8.5	8.5	8.50 00	-1.37	7.13		
. A2 +20	2123	A3	4.10	7.20			8.5	8.5	8.50 00	-1.37	7.13		
[5.52] K0 +20	2109	B _n					5.8	5.9	5.85 01	-0.53	5.32		[-.20]
[6.74] K0 +19	2027	A9	4.90	6.70		[-0.04]	7.4	7.3	7.35 01	-1.03	6.32		[-.42]

all

omit []

$$\begin{array}{r}
 +0.78 \\
 -0.45 \\
 \hline
 8 \\
 +0.00 \\
 \hline
 +0.03
 \end{array}$$

$$\begin{array}{r}
 78-66 \\
 7 \\
 +0.02 \\
 \hline
 +0.05
 \end{array}$$

$$K - A = +0.03$$

$$(+0.03 \text{ omitting } [])$$

$$\begin{array}{r}
 64 \\
 46-53 \\
 10 \\
 +0.01 \\
 \hline
 -0.02
 \end{array}$$

$$\begin{array}{r}
 51 \\
 38-53 \\
 8.00 \\
 -0.02 \\
 \hline
 -0.11
 \end{array}$$

$$K - A = -0.18 - 0.19$$

$$(-0.09 \text{ omitting } [])$$

Stars near Praesepe

S.W.

Mch 22, 1915

MC 8160 (cont)

			PC	Diff	Curve	Magn	Diff	Diff
[692A0	21	1909	8.7	3.78	-1.69	7.01	[+0.9]	.
[4.73A0		1895	6.2	-1.47	-1.46	4.74	[+0.1]	.
[4.17K0	18	2027	5.4					.
698K0	20	2185	8.5 ^{8.60}	8.7	-1.67	6.93	.	-0.05
660A0	20	2178	8.5	1.63 1.60	-1.63	6.83	+2.23	.
790A3	19	2083	9.7	-1.80	-2.06	7.64	-2.26	.
6.75A3	20	2175	8.5	-1.75	-1.63	6.87	+1.2	.
6.32A2	"	2171	7.7	-1.38	-1.42	6.32	.00	.
7.40A	"	2163	9.0	-1.60	-1.80	7.20	-2.20	.
7.15A	"	2153	9.3?	-2.15	-1.91	7.39?	+2.4?	.
668K0	"	2150	8.3		-1.55	6.75	Δ.	+0.7
6.94A	"	2152	8.2 ^{8.35}	8.5	-1.41	6.78	-1.16	.
6.40B5	"	2166	7.9		-1.45	6.45	.	+0.05
6.52A0	"	2159	8.0	-1.48	-1.47	6.53	+0.01	.
6.48K0	"	2158	7.9		-1.45	6.45	.	-0.03
6.20A2	"	2133	3		7	7	.	.
. A0	"	2132	9.1		-1.85	7.25	.	.
. A2	"	2125	9.0		-1.81	7.19	.	.
. A2	"	2123	8.9		-1.77	7.13	.	.
[5.52K0	"	2109	6.7 ^{6.60}	6.5	-1.43	5.77	.	-0.35
[6.74K0	19	2027	7.9		-1.45	6.45	.	-0.29

all

70-62	12-72
10	6
+0.01	-0.10

36-62	12-8
3	4
-0.09	+0.01

omitting [] and?

BC images slightly elongated.

K-A = -0.11 (+0.10 omitting [])

Stans near Oranienburg

Sc W

Mar 22, 1915

[illegible]

all

Ornithing []

$$\begin{array}{r} 27 - 54 \\ 12 \\ -0.02 \end{array}$$
$$\begin{array}{r} 41 \\ 17 \overline{) 54} \\ 10 \\ - 0.0 \end{array} \quad \begin{array}{r} 33 \\ 0 \overline{) 22} \\ 3 \\ - 0.0 \end{array}$$

$K - a_3 - 0.08$ (-0.03 omitted [])

Stars near Sparsipe

S.W.

Mch 22, 1915

MC 8161 (cont)

	PC	$\Delta\mu$	Curv	Magn	$\Delta\mu$	K
21	1909	87	-2.00	-1.72	6.94	[+0.3]
21	1898	62	-1.47	-1.43	4.78	[+0.4]
19	2027	56				
20	2185	85	-1.69	6.81		-1.1
	2178	83	-1.70	6.62	+0.9	
19	2083	95	-1.70	7.12	-2.2	
20	2175	85	-1.75	6.87	+1.2	
	2171	78	-1.48	6.27	-0.8	
	2163	89	-1.50	7.44	-2.6	
	2163	90	-1.85	7.23	+0.8	
	2150	81	-1.67	6.48	-1.7	
	2152	87	-1.76	6.97	+0.3	
	2166	77	-1.57	6.15	-2.5	
	2159	80	-1.48	6.42	-1.0	
	2158	79	-1.57	6.37	-1.5	
	2133	8				
	2132	89	-1.77	7.12		
	2125	88	-1.76	7.04		
	2124	88	-1.76	7.04		
	2109	65	-1.76	5.04		
19	2027	78	-1.58	6.22		

$$\frac{40-46}{10} = 0-168$$

$$\frac{-0.04}{58-29} = 10$$

$$+0.01 = -0.28$$

$$\frac{46-47}{8} = 0-68$$

$$0.00 = -0.17$$

Omitting []

$$K-a = -0.17 \quad (-0.17 \text{ omitting []})$$

May 9, 1915

sem

3	40	B 44279 J	502	6 11 21+15	PC 21	
1	23	27	25	4.51	8.4	-1.74
2	27	25	280 11	4.28	8.9	-1.87
3	27	25		4.77	9.8	-2.08
4	27	25		5.31	9.0	-1.09
5	30	25		5.10	9.7	-1.45
6	33	350 00	35	4.96		
7	37	390 00	39	4.93		
8			39 41	5.03		
9			48			
10			48	4.65		
11			61	3.74		
12			63	3.55		
13			72			
14			77	3.80		
15			80	3.00		
16			85	2.47		
17			89 87	2.82		
18			87	2.69		
19			93 93	2.56		
20			95 97	2.29		
21			95			
22			95			
23			95			

ch. F. b.

May 10
29, 1915

Scm

copied.

alt. -.30

P.L.

B 4.4280

344280
Magn. Mean.

562.

1044279 31
501 802

23

2 Elong.

3

4

5

9

7

8

9

V

11

12

13

14

12

16

15

19

19

2

9

2.

2

1862

2

Washburn Station.

4

~~Handwritten signature~~

2

2*

2

2

24

May 19, 1915

Be III

10	35	B44280 J'	21	0 + 15	
1	2.1 2.2	5.2	461	85 87	-1.79
2	2.5 2.3 2.4 2.2 2.4 1.1		468	89 90	-1.87
3	2.8 2.7		487	95 97	-1.93
4	2.5 2.4		541	90	-1.09
5	2.8 2.7		550	95	-1.20
6	3.7 3.6 3.5 1.0	3.8	471		
7		3.9	493		
8		3.9	513		
9		4.1			
10		5.1?	435?		
11		6.6 6.1	324		
12		6.4	345		
13		4.1			
14		6.5	347		
15		7.2?	320?		
16		7.5	320		
17		8.0	302		
18		8.3	267		
19		8.7	262		
20		8.6 8.1	279		
21		9.3 9.3	256		
22		9.7 9.7	219		
23		9.5			Ch. P. 6.
24					
25					

Images from

V
Be H

May 19, 1915

Leopold.

Mean of B44280 & 44279
later on p. 176.

Dbl.	1	B 44280 g ¹ - g ²		alt - .30	
		B	c	PC	
	2	elong.		elong.	
	3	^{2.8} 2.7	4.87	^{9.60 1.1} 7.67 9.5 9.7 - 1.74	7.86
	4	^{2.4} 2.3	4.81	^{9.05 1.0} 7.21 9.1 9.0 - 1.74	7.31
	5	^{2.4} 2.3	4.81	^{9.30 0.0} 7.21 9.3 9.3 - 1.74	7.56
	6	^{2.4} 2.3 ^{2.7} 2.6 2.55 2.1	4.83	^{9.70 0.0} 7.38 9.7 9.7 - 1.74	7.96
	7	^{2.4} 2.3	4.81	7.21	Member st.
	8	^{2.8} 2.7	4.87	7.67	
	9	^{3.4} 3.3 ^{3.2} 3.1 3.30 1.1	4.88	8.18	
	10	^{2.5} 2.7	4.87	7.67	
	11	^{3.3} 2.7 3.80 0.0	3.8 4.83	8.63	
	12		3.7 4.86	8.58	
	13		4.87 4.49	9.29?	
	14		4.6		
	15		4.9 4.44	9.34	
	16		5.1 4.33	9.43	
	17		6.8 3.32	10.12	
	18		7.0 3.23	10.23	
	19		7.0 3.23	10.23	
	20		7.1 3.20	10.30	
	21		7.5 3.03	10.53	
	22		7.7 2.97	10.67	
	23		7.8 2.92	10.72	ch. f.c.
	24		8.1 2.82	10.92	
Member st	25		8.5 2.69	11.19	
	26		9.0 2.56	11.56	
	27	^{9.30 0.0} 9.3 9.9 2.48		11.78	
	28	^{9.60 1.1} 9.7 9.5 2.40		12.00	
	29	^{9.80 0.0} 9.9 9.9 2.35		12.18	

11.40

May 12, 1916

Dec 1

10	15	B44287	P _c	b ₁₁	Diff. P _c	B44288	Diff.
1	B ₂₃			B44288	Diff. P _c	B44288	Diff.
	2.2			7.181		7.9	8.26 85 65 -1.44
	2.3			1.7 2.00 3.3	4.81 6.6		
2	2.4			1.9 2.20 3.3	4.85 6.9	Sec.	8.9 a . -1.82
	2.5				9.60 L1		
3	2.6			2.1 2.45 4.3	5.22 9.5 9.7	8.95	9.32 28 27 -1.65
	2.7						
4	2.8			2.1 2.35 2.3	5.56	9.30	9.30 . a -1.39
	2.9				Then to 0.7		
5	3.0			2.4 2.60 2.2	5.70 9.7	7	9.7 a . -1.40
	3.1						
6	3.5	3.65 0.1	3.7	2.7 3.18 4.48	5.25 9.8	7	9.8 a . -1.34
7			3.9	3.1 3.50 4.4	5.33		
8			3.9	3.1 3.50 4.4	5.53		
9			4.3	4.30 4.1	5.04		
			4.80 L1				
10			4.7	4.9 4.85 05.05	4.60		
			5.80 L1				
11			5.7	5.9 5.85 05.05	3.99		
12			6.1	6.10 a .	3.75		
13			5.9	5.90 a .	3.98		
14			6.4	6.40 a .	3.57		
15			6.8	6.75 0.1	3.65		
16			7.4	7.5 7.45 0.1	3.25		
17			7.9	7.9 7.90 0.0	3.12		
18	along		7.8	7.9 7.85 0.1	3.12		
19			8.5	8.3 8.40 1.1	2.92		
20			8.5	8.3 8.40 1.1	2.99		
				8.7 8.70 a .	3.16		
21	Close to another			8.8 8.75 1.0	3.14		
	after						
22			8.7	8.8 8.75 1.0	3.14		
			8.95 L1				
23			8.9	9.00 8.98 03.02	2.88		Ch. P.C.
			9.40 L1				
24			9.3	9.55 15.15	2.85		
			9.70 0.0				
25			9.7	9.85 9.78 08.07	2.79		
26			8				

Images slightly elong.

May 12, 1915

Be V

lospied.

alt. -0.30		B 44287		F 3		B 44288		Pc		B 44288		30		31		90		9.25		9.12		9.13		2.86	
B		C		B 44288		Pc		B 44288		30		31		90		9.25		9.12		9.13		2.86			
5.38	8.08	3	2.9	2.4	2.70	3.3	9.5	9.3	9.0	9.20	20	20	-1.50	7.90	9.9	7	9.90	0.7	2.74						
5.31	7.84	4	2.7	2.2	2.58	3.7	9.0	8.9	8.95	0.1	-1.54	7.41													
5.24	7.74	5	2.7	2.1	2.45	4.3	9.0	8.9	8.90	0.2	-1.55	7.35													
5.35	7.95	6	2.7	2.4	2.60	2.2	9.5	9.7	9.2	9.40	20	20	-1.46	7.94											
5.34	7.89	7	2.7	2.3	2.55	2.3	9.5		9.0	9.25	20	20	-1.50	7.75											
5.38	8.08	8	2.9	2.4	2.70	3.3	9.7		9.3	9.50	2.2	-1.44	8.06												
5.39	8.54	9	3.4	2.8	3.15	3.4			9.8	9.8	0.2	-1.39	8.11												
5.39	8.17	10	2.9	2.5	2.78	2.2			9.7	9.7	0.2	-1.40	8.30												
5.32	8.82	11		3.0	3.50	0.5																			
5.20	8.65	12		3.0	3.45	5.4																			
4.88	9.38	13		5.0	4.0	4.50																			
5.01	9.26	14		4.2	4.3	4.25																			
4.92	9.32	15		3.9	4.40	5.5																			
4.91	9.36	16		5.0	3.9	4.45																			
4.11	9.81	17		5.7	4.1	5.70																			
3.85	9.95	18		6.1	4.1	6.10																			
3.92	9.92	19		6.0	4.1	6.00																			
3.69	10.04	20		6.30	6.4	6.35																			
3.40	10.42	21		6.9	7.1	7.02																			
3.29	10.64	22		7.3	7.4	7.35																			
3.28	10.68	23		7.3	7.5	7.40																			
3.21	10.81	24		7.5	7.7	7.60																			
3.10	11.05	25		7.9	8.0	7.95																			
3.04	11.24	26		8.1	8.3	8.20																			
2.95	11.55	27		8.5	8.7	8.60																			
2.93	11.66	28		8.7	8.8	8.75																			
2.89	11.87	29		8.9	9.0	8.98																			

May 12, 1915

Dev

11 40 B44288 J' b 11

12 13 286 11.98
 5 05 278 12.43
 7 274 12.64

1 1.6
 2 1.8
 3 2.0
 4 2.1
 5 2.4
 6 2.6
 7 3.1
 8 3.0
 9 tp
 10 tp
 11 tp
 12 tp

13 tp
 15 6.7
 14 Ser
 16 7.5
 17 7.9
 18 7.9
 19 8.3
 20 8.3
 21 8.7
 22 8.8
 23 9.0 9.0
 24 9.7 9.7
 25 9.8 9.8

pc
 79
 80 89
 90 89
 93 93
 7
 7

Images from - all

12 45

May 12, 1915

Dev

12	15	B 44288	B'	F3	alt. - 30		
Ok.	1	B	C		pc	30	9.25 2.1
Elong	2				long.	31	9.2 9.3
	3	2.4			9.0	32	9.7
	4	2.3			8.9		7
	5	2.1			8.9		
	6	2.0			9.2		
	7	2.4			9.0		
	8	2.3			9.3		
	9	2.8			9.8		
	10	2.4 2.7 2.6 2.5 2.1			9.7		
	11	2.9	2.9				
	12	2.9	2.9				
	13		4.0				
	14		4.1				
Imp. poor	15		3.9				
" "	16		3.9				
	17		4.1				
	18	4.5	5.3				
	19		4.1				
	20		4.1				
	21		4.1				
	22		4.1				
	23		4.5				
	24		4.7				
	25		8.0				
	26		8.3				12. 50
	27		8.7				
	28		8.8				
	29		9.0				

Very poor images.

Series 10 (1st half)

Sc B

May 15, 1915

10	5	10913	67	Diff	PC	30	3
off fl.	1	Sc1	Sc2				
On edge of film 2							
near edge	3	Bm.			80	0.11	
	4	24		5.80	8.1	0.10	
	5	28		5.76	8.5	0.06	
	6	29 36 0 34 1.2		5.89	8.5	0.44	
On edge of film 7					8.9 10.1		
	8	34 36 3.50 2.1		6.10	8.1	0.20	
near edge of film 9							
	10	36		6.49			
	11	38 38.5 0.1 39		6.26			
	12	39 41.5 0.1 42		6.21			
	13	42		6.46			
	14	43		6.52			
	15	47		6.29			
	16	47		6.53			
	17	50		6.56			
	18	51 53 5.80 1.1		6.49			
	19	59 57		6.21			
	20	60		6.26			
	21	65 67		6.21			
	22	70		6.26			
	23	74 75 0.1		6.00			
	24	80 79		5.95			
	25	81		5.97			
	26	85 90 0.0		5.78			
	27	90 90		5.58			
	28	93 93		5.76			
	29	96 95		5.86			

Ch. P.C.

P.C.s from - hazy
Images slightly dbl.

Series 10 (1st half)

Se 8

May 15, 1916

copied.

Q 10914		E 5		Alt. - 0.02	
Se 1	Se 2	Pe			
1 Br		67		30	80 80 595 1395
2		65 67		31	85 83 585 1425
3		72		32	87 89 578 1458
4 Br		72		33	near sea
5 Br		80		34	97 97 564 1534
6 Br		75	0.15 E	35	75
7		79 80	0.16	806	
8		80 81	0.16	826	
9					
10		87	0.16	886	
11		93	0.16	946	
12	40 43 40 40	6.24	10.24		
13	43				
14	43	6.32	10.62		
15	43	6.32	10.62		
16	43	6.32	10.62		
17	45	6.35	10.85		
18	47	6.37	11.07		
19	49	6.38	11.28		
20	48	6.38	11.18		
21	51	6.38	11.48		
22	55 57	6.34	11.94		
23	61 63	6.26	12.46		ch. P. C.
24	65	6.22	12.72		
25	67	6.19	12.89		
26	73	6.07	13.37		
27	77	6.00	13.70		
28	79	5.96	13.86		
29	78	5.93	13.78		

Series 10 (Vol. half)

Se 8

May 15, 1915

Leopold.

alt. - 0.35

		Se 1	Se 2	PC			Cur.	Mag
1395	near edge	1	Bm.	68		30	6.5	6.22 12.72
1425	" "	2	Bm	70		31	6.5	6.22 12.72
1458	" "	3	Bm	72		32	6.8	6.16 12.96
	" "	4	Bm	75?	0.15 76.5 ? E	33	7.0	6.13 13.13
1534	" "	5		77	0.15 78.5 E	34	7.2	6.09 13.29
	" "	6		77	0.15 78.5 E	35	7.4	6.05 13.45
	On edge	7		75	0.15 76.5 E	36	7.7	6.00 13.70
	" "	8		75	0.15 76.5 E	37	7.9	5.95 13.95
	Off PE	9				38	8.3	5.90 14.10
	near edge	10		83	0.16 8.46	39	8.4	5.85 14.25
	Off PE	11				40	8.7	5.80 14.50
		12	3.1			41	8.7	5.80 14.50
		13	3.4			42	9.0	5.74 14.74
		14	3.7			43	9.4	5.68 15.08
		15	4.0			44	9.8	5.63 15.43
		16	3.7					
		17	3.7					
		18	3.7					
		19	3.7					
		20	3.7					
		21	3.7					
		22	3.7					
		23	3.7					
		24	3.7					
		25	3.7					
		26	3.7					
		27	3.7					
		28	3.7					
		29	3.7					

bh. F. 6.

Series 10 (1st half)

Se 8

May 15, 1915

A 10916 Southern Cross

Ref Seq alt. -16

	Se 1	Se 2	24	PC
1		4.0	6.38	10.24 90?
2		4.3	6.38	10.63
3		4.7	6.37	11.07
4		5.1	6.38	11.48
5		5.1	6.38	11.48
6		5.1	6.38	11.48
7		5.5 5.7	6.33	11.93
8		5.7	6.32	12.02
9		6.2	6.26	12.46
10		6.2	6.26	12.46
11		6.5	6.22	12.72
12		6.5 6.7	6.20	12.80
13		6.5	6.22	12.72
14		6.8	6.16	12.96
15		7.0	6.12	13.12
16		7.4	6.04	13.44
17		7.5 7.7	6.01	13.61
18		7.9 8.0	5.96	13.91
19		8.2 8.2	5.90	14.10
20		9.1 9.3	5.72	14.92

Ch. F. G.

Images not circular - poor

Series 10 (1st half)

Sec 8

May 15, 1915

A 10917

Good Sack

Ref Seq

alt. - .15

1	Sec 1 33.5	Sec 2	6.00	9.20
2	40 4.3	40.5 0.1 41.0 4.35	6.25	10.30
3		4.3 4.4	6.33	10.68
4		4.8	6.38	11.18
5		5.1	6.38	11.48
6		5.1	6.38	11.48
7		5.6	6.33	11.93
8		5.8	6.31	12.11
9		6.2	6.26	12.46
10		6.5	6.22	12.72
11		6.60 L1 6.5 6.7	6.20	12.80
12		6.9	6.15	13.05
13		7.0	6.12	13.12
14		7.1	6.11	13.21
15		7.3	6.07	13.37
16		7.60 L1 7.5 7.7	6.01	13.61
17		8.0	5.95	13.95
18		8.1	5.92	14.02
19		8.60 L1 8.5 8.7	5.82	14.42
20		8.95 L1 8.9 9.0	5.75	14.70

Ch. F. C.

Series 10 (1 $\frac{1}{2}$ half)

May 15, 1915

b28

A 109.8 b28

near edge 1

Sc1

Sc2

100

13

off PL 2

3

13

85

off PL 4

5

81

near edge 5

6

87

near "

6 a B₂

90

off PL 7

8

98

near edge 8

9

98

" "

10 33

11 35

12 37

13 38

14 39

15 43

40

16

41

17

18

19

20

20a

20b

21

22

23

24

25

26

27

Images double-
reflected

Per 11.5d.

12.50

Series 16 (2^d half)

Sc M

May 18, 1915

Alt. - 1.01

Copied.

10	30	B 44674	F 2	12	00	- 75.0	Cu.	Magn	pc	Cu.	Magn	30	80	Cu.	Magn
		Sc 2													
		1	2.2				5.52	7.72	7.9	-0.24	7.66	30	8.0	4.62	12.62
elong.		2	2.4				5.77	8.67	8.5	-0.19	8.31	31	8.25	4.55	12.80
		3	3.1				5.84	9.14	8.8	-0.16	8.64	32	8.7	4.50	13.20
		4	3.9				5.81	8.91	8.7	-0.17	8.53	33	8.9	4.48	13.38
		5	3.2				5.85	9.25	8.9	-0.14	8.76	34	8.95	4.48	13.43
		6	3.0	3.2 3.4			5.84	9.14	8.9	-0.14	8.81	35	9.0	4.46	13.46
		7	3.0				5.83	9.03	8.9			36	9.0	4.47	13.87
		8	3.0				5.83	9.03	9.0	-0.13	8.87	37	9.0		
		9	3.4				5.86	9.46	9.5	-0.04	9.56				
		10	3.2				5.85	9.25	9.7	-0.02	9.68				
		11	3.7	3.85			5.84	9.69							
		12					5.83	9.83							
		13	3.5				5.83	9.83							
		14					5.80	10.00							
		15					5.76	10.16							
		16					5.65	10.55							
		17					5.65	10.55							
		18					5.61	10.71							
		19					5.30	11.40							
		20					5.25	11.45							
		21					4.90	12.10							
		22					4.90	12.10							
		23					4.99	11.94							
		24					4.90	12.10							
		25					4.78	12.28							
		26					4.78	12.28							
		27					4.81	12.21							
		28					4.66	12.51							
		29					4.65	12.55							

Ch. P.C.

P.C. elongated

Series 16 (2d half)

Sc M

May 18, 1915

Copied BK 34:73

alt. +0.01

	B 44675	181 K	Sc 2	Pe	
1	88.1 2.1		5.56	7.86	Too near another st.
2	3.1 2.9		5.81	8.91	8.7 8.9 - 0.16 8.64
Im poor	3	5.8	5.39	11.19	
" "	4	5.8	5.39	11.19	
" "	5	5.8	5.39	11.19	
" "	6	6.7	5.08	11.78	
" "	7	7.1	4.93	12.03	
	8	7.2	4.89	12.09	
	9	7.8	4.68	12.48	
	10	8.1	4.60	12.70	
	11	8.3	4.54	12.84	
	12	8.60 1.1 8.5 8.7	4.50	13.10	
	13	8.9 0.0 8.9 8.9	4.48	13.28	
	14	9.05 1.0 9.1 9.0	4.47	13.52	
	15	9.75 1.0 9.7 9.8	4.49	14.24	

Images poor

Sem

Series 16 (2^d half)

May 18, 1915

alt. +0.05

Copied Bk 34: 118

	B 44676	40 Ks	pc	
1	Se1	Se2		
	40		584	9.84 9.8 - 0.01 9.79
2	44		576	10.16
3	55	57	546	11.06
4	57		544	11.14
5	60		533	11.33
6	64	65	516	11.61
7	65		515	11.65
8	65		515	11.65
9	69	71	495	11.95
10	75		478	12.28
11	81		460	12.70
12	84		452	12.92
13	89	90	448	13.43
14	92	91	447	13.62
15	97	97	449	14.24

Series 16 (2nd half)

Sc M

May 18, 1915

Copied BK 34: 120

Alt. +.05

	B 44677	42 Ks	Can.	Mag	PC	
1	5 ⁰ ₃₂ 3 ⁰ ₃₀	Sc 2	582	9.02	9.0	-0.13 8.87
2	3 ⁸ ₃₆		585	9.65	9.8	-0.00 <u>9.80</u>
3	4 ⁷ ₄₅ 4 ⁷⁰ 0 0	47	571	10.41		
4		52	557	10.77		
5		58	540	11.20		
6		6 ⁶⁰ 1 1 6 ⁵ 6 ⁷	510	11.70		
7		7 ¹⁵ 1 1 7 ² 7 ¹	491	12.06		
8		7 ⁴⁰ 1 1 7 ⁵ 7 ³	481	12.21		
9		7 ⁶⁰ 1 1 7 ⁵ 7 ⁷	474	12.34		
10		7 ⁶⁰ 1 1 7 ⁵ 7 ⁷	474	12.34		
11		7 ⁷	472	12.42		
12		8 ¹	460	12.70		
13		8 ⁵	451	13.01		
14		8 ⁹ 1 0 8 ⁹ 9 ⁰	448	13.43		
15		9 ⁶⁰ 1 1 9 ⁵ 9 ⁷	449	14.09		

Series 16 (2d half)

Cupid Base 34:50

Serm

May 18, 1910

Alt. +.05

B 44678		158 K	PC	
1	50.31 29.35	502	581	891 91 - 1.12 8.98
2	33.37		585	9.35 97 - 0.02 <u>9.68</u>
3	35.52		586	9.56 99 - 0.00 <u>9.90?</u>
4	5.15 0.1	5.1	559	10.74
5		5.40 1.1	53	5.5 5.52 10.92
6		58	540	11.20
7		6.60 1.1	65	67 5.10 11.70
8		7.1	4.93	12.03
9		7.4	4.81	12.21
10		7.7	4.72	12.42
11		8.1	4.60	12.70
12		8.60 1.1	85	87 4.50 13.10
13		8.95 1.6	89	90 4.48 13.43
14		9.10 0.0	91	91 4.47 13.57
15		9.60 2.1	95	97 4.49 14.09

S.M.

Series 16 (2d half)
May 18, 1915

Copied Bk.

			Diff	Curve	Magn	PC	Curve	Magn.
1	14		5.24	5.12	6.72	7.1	-0.26	-0.26 6.84
2	20		5.21	5.52	7.72	7.7	-0.27	-0.26 7.44
3	19		5.24	5.16	7.56	7.5	-0.26	-0.26 7.34
4	19	2.0 2.15 1.0	5.69	5.51	7.66	7.5 8.1	-0.26	-0.22 7.88
5	23		5.93	5.65	8.15	Close to another ch.		
6	25	2.7	5.70	5.73	8.53	Mean		
7	23		5.79	5.65	8.15	7.5	-0.21	-0.18 8.32
8	30		5.90	5.82	9.02	?		
9	38	4.00 0.0 4.0	5.40	5.83	9.83	ms		
10			5.79	5.84	9.74	9.1	-0.01	-0.11 9.59
11	39	4.10 0.0	5.94	5.83	9.93			
12			5.0	4.9	5.54	5.64 10.59		
13			5.3	5.43	5.54	10.84		
14			5.5	5.51	5.50	11.00		
15			5.9	5.27	5.36	11.26		
16			6.2	5.32	5.26	11.46		
17			7.0	4.90	4.96	11.96		
18			7.8	7.6	4.65	4.71 12.41		
19			8.1	8.2	4.59	4.58 12.73		
20			8.5	4.36	4.52	13.02		
21			8.9	9.0	4.53	4.47 13.42		
22			9.3	4.54	4.47	13.77		
23			9.5	4.48	4.47	13.97	ch. F.C.	
24			9.8	5.01	4.76	12.26		
25			9.8	4.43	4.50	14.30		
			9			7		

12 50

P.C. uncertain

Series 18

Copied Bls

Se M

May 21, 1915

Primary

P.C

3	40	B 44762	log	Se 2	Diff	PC	Curv Magn	Curv Magn
1	5 ³³ 31				390 ⁰⁰ 410	83	-1.10 -0.92	7.38 4.38 7.60
2	th					85	-1.26 -0.90	7.60 7
3	39 37	390 00	39		419	89 84011	-0.81 -0.90	8.00 4.30 8.20
4	36 34				412	85 83	-0.68 -0.91	7.49 4.27 7.90
5	35 33				442	83	-0.38 -0.91	7.39 4.30 7.80
6	39 37	390 00	39		421	91	-0.99 -0.90	8.20 4.30 8.20
6a			43		449			4.30 8.60
7			th					7 7
8			49 50	10	402			4.31 9.26
9			52		402			4.32 9.22
10			54		412			4.33 9.73
11			55		401			4.33 9.83
12			55 57	11	415			4.33 9.93
13			57		419			4.34 10.04
14			57		427			4.34 10.04
15			61		426			4.36 10.46
16			62		432			4.37 10.57
17			63		434			4.40 10.70
18			65 63	11	428			4.40 10.80
19			65		418			4.40 10.90
20			65 67	11	397			4.42 11.02
21			71		432			4.48 11.58
22			73		452			4.50 11.80
23			75		449	Ch. P.C.		4.51 12.01
24			75		459			4.51 12.01
25			79		436			4.52 12.42
25a			82 80	11	447			4.52 12.72
26			81 83		452			4.52 12.62
27			85 87	11	476			4.52 13.12
27a			87		498			4.52 13.22
28			92 96		467			4.52 13.72
29			97 95		436			4.51 14.11

Series 18

sem

May 21, 1915

lucid.

alt - 0.42

B 44763 E 5

1	50.1 26	50.2	PC	8.1	-0.92	7.18
2	25 23		760 L1	75.77	-0.948	6.66 E
2 3 t p	34 32		85		-0.91	7.59
Remeas. by O. Oct. 26	32	4.29	769	Sec. + dif.		
5 3.1? 89	32 33	4.29	754	8.7	-0.90	7.80
6 3 t p 94	30 31 32.5 0.4	4.29	835	9.3	-0.89	8.31
7 B 9.8 w.s.	41 40.5 1.0	4.30	749	9.0	-0.90	8.10
8 3.8. 95	32	4.29	822	9.5	-0.89	8.61
Star 6 is very poor, and 7 is certainly brighter.	39 39.0 0.0	4.30	829	9.7		
9	40	4.29	819			
10	39 1.2	4.29	885			
11	47 44	4.30	883			
12	55	4.33	926			
13	49 5.0	4.31	983			
14	55	4.33	1029			
15	59 6.0	4.34				
16						
17	61	4.36	1046			
18	62	4.36	11.12			
19	67	4.42	11.46			
20	70	4.46	11.79			
21	73	4.49	12.31			
22	78	4.51	12.72			
23	82	4.52	13.02			
24	85	4.52	13.42			
25	89	4.52	13.91			
26	89 9.0	4.52	14.30			
27	90 1.1	4.51				
28	98 9.8	4.50				
29	2					

Series 18

Scm

May 21, 1915

Copied BK 34.117³

alt. +09

	B 4476 ⁵	35 K ₀		pe
1	82 62 3.0	52	4.30	7.50
2		47	4.30	9.00
3		47	4.30	9.00
4		505 10 5.1 5.0	4.31	9.36
5		595 10 5.9 6.0	4.35	10.30
6		61	4.36	10.46
7		61	4.36	10.46
8		675 10 6.7 6.8	4.43	11.18
9		72	4.49	11.69
10		75	4.50	12.00
11		80	4.52	12.52
12		84	4.52	12.92
13		860 11 8.5 8.7	4.52	13.12
14		895 10 8.9 9.0	4.52	13.47
15		960 11 9.5 9.7	4.50	14.10

Series 18

Observed Bk.

Star

May 21, 1915

curr P_c magn

curr magn.

B 44767		Diff	P_c				
1	Sur						
2	31		82	-0.92	7.28	-0.97	
3	29	394	77	-0.93	6.87	-0.76	4.30 7.40
4	33	4.52	83	-0.91	7.39	-0.95	4.30 7.60
5	33	4.56	87	-0.90	7.80	-0.88	4.30 7.80
6	41	4.42	90	-0.90	8.10	-0.94	4.30 8.40 i
7	39	4.44					4.30 8.50
8	43	4.75					4.30 8.60
9	52	4.33					4.32 9.52
10	52	4.48					4.32 9.52
11	56	4.49					4.33 9.93
12	61	4.56					4.36 10.46
13	60	4.50					4.36 10.36
14	63	4.27					4.39 10.69
15	63	4.52					4.37 10.57
16	63	4.49					4.38 10.68
17	65	4.53					4.42 11.02
18	72	4.40					4.49 11.69
19	73	4.53					4.50 11.80
20	79	4.41					4.52 12.52
21	80	4.48					4.52 12.52
22	83	4.44					4.52 12.82
23	86	4.44					4.52 13.12
24	88	4.55					4.53 13.38
25	91	4.68					4.53 13.68
26	95	4.35					4.51 14.11
27							
28							
29							

beh. F.C.

Sc P

May 25, 1915

10 5 A 9019 J1 1 00 + 15 61 (To be corrected for time)

D: > 30 mm

Se 1
B

Se 2

Surf. C 22

" " " 23

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" " " 25

" " " 26

" " " 27

" " " 28

3.0
9 3.3

6.28

Dbl.

10

3.2
11 3.54.9
6.30

2 12 3.5 3.7 3.30 L1

6.72

13 4.0 3.70 0.0 3.7

6.45

Surf. C 214

4.2
15 4.5 4.17 0.0 L1

4.2 4.1 6.87

4.2
16 4.5 4.25 0.0 L1

4.3 6.95

17

4.7 6.80

18

5.0 6.94

19

5.3 6.91

Defective 220

21

6.1 6.79

21a

6.4 6.81

22

6.9 7.0 6.61

23

6.9 6.66

24

7.1 6.48

25

7.2 6.56

26

7.5 7.7 6.52

27

7.9 8.0 6.39

28

7.9 8.2 6.65

29

8.1 8.5 6.44

30

9.2 9.0 6.03

10 3
20

L. B.

May 25, 1915

copied

Corr. for Time - 0.09

No air on

[illegible]

Sc B

May 25, 1915

11	30	A 10725	J'	b8	15 + 15		
		Sc1	Sc2				
50	Sc 1			Diff		30	9.5 9.0 8.8
55	" " " "					31	9.9 9.0 5.38
60	" " " "					29a	8.3 8.5 6.08
65	" " " "						
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ch. P.C.

Images from in this Ep.

12 00

202

Se 8

May 25, 1915

bipied.

12	15	10725 El	14 40-45	alt. 0.00					
		801	802						
Surface	1				30	47	7.10	11.80	
	2				31	49	7.08	11.98	
	3				32	48	7.09	11.89	
	4				33	49	7.08	11.98	
	5				34	51	7.04	12.14	
	6				35	51	7.04	12.14	
	7				36	6.1	6.74	12.84	
	8				37	6.3	6.65	12.95	
	9				38	6.5	6.58	13.08	
	10	2.1			39	6.9 6.7	6.45	13.25	
	11	2.3			40	6.9 7.1	6.35	13.35	
	12	2.3			41	7.1 7.1	6.05	13.75	
	13	2.3			42	8.4 8.3	5.73	14.08	
	14	2.6			43	8.7 8.9	5.52	14.32	
	15	2.6			44	9.0 9.0	5.42	14.42	
Surface	16				45	9.5 9.1	5.16	14.76	
" " "	17				46	7			
	18	2.7							
	19	3.0	6.10	8.80	6.33	9.03			
	20	3.1	6.16	8.96	6.42	9.22			
	21	3.1	6.16	8.96	6.42	9.22			
	22	3.1	6.16	8.96	6.42	9.22			
	23	3.2	6.20	9.10	6.50	9.40			
	24	3.2	6.20	9.10	6.50	9.40			
	25	3.4	6.31	9.41	6.64	9.74			
	26	3.7	6.48	9.88	6.84	10.24			
	27	3.9	6.58	10.23	6.96	10.61			
	28		4.1	10.82	7.05	11.15			
	29		4.0	10.69	7.04	11.04			

Se 8

May 26, 1915

(See A 7867)

10	20	0.8960	21	69	17	00 + 15	
Se 1	Se 2						
Surface C	1				Diff		30 8.8 9.0 6.94
" " " "	2						31 9.5 9.7 6.58
" " " "	3	0.7			6.34		
" " " "	4	1.0			6.22		
" " " "	5	1.6			6.46		
Surface C?	6	1.9			6.57		
" " " "	7	2.2			6.25		
" " " "	8	2.8			6.63		
" " " "	9	3.1			6.68		
Surface C?	10	3.2			6.89		
" " " "	11	3.3			6.96		
" " " "	12	3.5			6.85		
" " " "	13	3.7	3.70 0.0	3.7	6.8		
" " " "	14	3.8	3.65 0.1	3.7	6.42		
" " " "	15	4.1	3.75 0.1	3.7	6.92		
" " " "	16			3.8	6.89		
" " " "	17			3.9	7.03		
" " " "	18			4.1	7.30		
" " " "	19			4.3	7.33		
" " " "	20			4.5	7.41		
" " " "	21			5.0	7.38		
" " " "	22			5.1	7.64		
" " " "	23			5.1	7.64		
" " " "	24			5.3	7.70		
" " " "	25			5.7	7.8		
" " " "	26			6.05 0.1	7.88		
" " " "	27			6.06 1.1			
" " " "	28			6.5 6.7	7.35		
" " " "	29			6.75 0.1	7.37		
" " " "	30			6.8 6.7	7.22		
" " " "	31			6.85 1.0	7.24		
" " " "	32			6.9 6.9	7.07		
" " " "	33			7.35 2.1	7.10		
" " " "	34			7.7 7.5			
" " " "	35			7.9 7.6			
" " " "	36			7.9 8.0			
" " " "	37			8.3			
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De P

May 26, 1915

bopied.

alt. 0.00

11	5	Q 5960	E 7	17 20 - 45		502	Cu. Magn	
		Sc 1	Sc 2					
1		Bn	.			30	41	7.10 11.20
2		Bn	.			31	47	7.32 12.02
3		Bn	.			32	49	7.40 12.30
4		Bn	.			33	49	7.40 12.30
5		"	.			34	52	7.49 12.64
6		"	.			35	56	7.58 13.08
7		"	.			36	60	7.58 13.58
8		"	.			37	61	7.56 13.66
9	10 14 17 120 ± 2	13	6.39	7.59		38	63	7.53 13.83
10		17 20	6.48	8.18		39	67	7.44 14.14
11		17 20	6.48	8.18		40	66	7.46 14.06
12		20 23	6.53	8.53		41	72	7.26 14.51
13			.	.		42	75	7.22 14.72
14	24	27	6.60	9.00		43	73	7.25 14.55
15			.	.		44	80	7.10 15.10
16	26	29	6.65	9.25		45	83	7.04 15.44
17	27	30	6.67	9.37		46	86	7.01 15.61
18	27	30	6.67	9.37		47	90	6.98 15.93
19	28	31	6.70	9.50		48	93	6.96 16.36
20	28	31	6.70	9.50				
21	29	32	6.72	9.62				
22	31	34	6.76	9.86				
23	33	36	6.82	10.12				
24	32	35	6.80	10.00				
25	34	37	6.85	10.25				
26	37	40	6.96	10.71				
27	38	41	7.00	10.85				
28			7.02	10.92				
29	39	42	7.02	10.92				

Ch. P.C.

Sc 0

May 29, 1915

2	55	10735	Sc 1	Sc 2	Diff.
3	56				
4	57				
5	58				
6	59				
7	60				
8	61				
9	62				
10	63				
11	64				
12	65				
13	66				
14	67				
15	68				
16	69				
17	70	385 0 1	39		
18	71				
19	72				
20	73				
21	74				
22	75				
23	76				
24	77				
25	78				
26	79				
27	80				
28	81				

3.10

Images very poor - not comp. with scale.

206

Sc 8

May 29, 1915

copied.

3 20 A 117.35 E.5

Sc 1
+p

Right-hand image -

alt. 40.00

Sou far p. C

30	83	590	1420
31	87	568	1438
32	93	538	1478
33	97	526	1496
34	98	522	1502
35	9		

Sou far p. C

12	31 34	7.32 ⁹	10.42 ⁹
13			
14	32 35	7.49	10.69
15	36 39	7.68	11.28
16	37	7.60	11.00
17	38 41 38° 00'	7.70	11.50
18	39	7.70	11.60
19	39.5 39.40	7.70	11.65
20	41	7.68	11.78
21	43	7.62	11.92
22	44.5 49.50	7.40	12.35
23	53	7.27	12.57
24	57	7.12	12.82
25	6.1 6.5	6.94	13.04
26	6.8 7.1	6.58	13.53
27	7.7	6.20	13.90
28	8.0	6.04	14.04
29	8.1	6.00	14.10

ch. Fil.

3 40

very low plate -

Series 430

Se 1

July 2, 1915

9	50	mc 7557	Pole	sec	p.214	mean	Diff.
5		B		PC 4.20 12			
				4.3 41	4.1	4.15 05 05	2.34
6				5.1 5.05 10	5.0	5.02 03 02	2.09
8				6.2 6.10 12	6.1	6.10 00 00	2.13
9				7.0 7.00 00	6.9	6.95 05 05	1.88
10	27 2.8			7.25 01	7.2	7.22 03 02	1.80
11	31 3.2			8.0 8.00 00	7.95	7.98 02 03	1.57
12	34 3.5			8.5 8.50 00	8.5	8.50 00 00	1.36
13	39 4.0			9.0 9.00 00	8.9	8.95 05 05	1.35
14	43 4.4			9.4 9.40 00	9.5	9.45 05 05	1.20
15	47 4.8 48.5 01	49		9.8 9.80 03 02	9.9	9.9 00 00	1.18
16	52 5.3 52.5 10	52		10.2 10.20 07 02			
17		55		10.5 10.50 12 00			
18		6.1		11.0 11.00 00 00			
19		6.3		11.3 11.30 00 00			
20		6.7		11.8 11.80 10 00			
23		7.5 7.7		12.5 12.55 05 05			
25		8.2 8.2		13.2 13.15 05 05			
26		8.6 8.7		13.6 13.65 05 05			
27		9.0 9.0		14.0 14.00 00 00			
28		9.5 9.5		14.5 14.50 00 00			
29		9.9		15.0 15.00 00 00			

Series 420

be V

July 2, 1915

	Mc 7557		Bole		Diff. images		Diff
	$\frac{a}{b}$	$\frac{c}{d}$			$\frac{a}{b}$	mean	
5	3.9	4.0	3.95 \pm 0		4.00	3.98 \pm 0.02	2.51
6	4.7	4.7	4.70 00		4.60	4.65 \pm 0.05	2.46
8	6.0	6.0	6.00 00		6.05	6.02 \pm 0.03	2.21
9	6.5	6.7	6.60 \pm 1		6.7	6.65 \pm 0.05	2.18
10	6.9	7.0	6.95 \pm 0		7.10	7.02 \pm 0.08	2.00
11	7.5	7.7	7.60 \pm 1		7.70	7.65 \pm 0.05	1.90
12	7.9	7.9	7.90 00		8.00	7.95 \pm 0.05	1.91
13	8.5	8.5	8.50 00		8.40	8.45 \pm 0.05	1.85
14	8.8	8.8	8.80 00		8.85	8.82 \pm 0.03	1.83
15	9.1	9.1	9.10 00		9.40	9.25 \pm 0.15	1.83
16	9.5	9.5	9.50 00		9.60	9.55 \pm 0.05	1.85
17	9.8	9.8	9.80 00		9.9	9.85 \pm 0.05	1.78
18	7	7					

Series 430

Card.

Dev

July 2, 1915 Copied

MC 7558	Oleiadet	PC act. corr. +19	Curve Magn.
B a	Curve Magn.	B	C
1 Br.	.	1.8 1.9	.
2 Br.	.	2.1 2.2	.
3 Br.	.	2.1 2.2	.
4 Br.	.	2.1 2.2	.
5 Br.	.	2.3 2.4	.
6 Br.	.	2.3 2.4	.
7 Br.	.	2.6 2.7	.
8 Br.	.	3.1 3.2	.
9 Br.	.	3.3 3.4	.
10 Br.	.	4.0 4.1	+2.26 6.36
11 1.0 0.8	.	4.2 4.3	2.24 6.54
12 1.0 0.8	.	4.2 ^{4.3} 4.3 ^{4.4} 4.3 ^{5.1} 4.3 ^{5.0}	2.24 6.59
13 1.0 1.1	.	4.7 4.8	2.19 6.99
14 1.0 1.1	.	4.7 ^{4.8} 4.9 ^{5.0} 4.8 ^{5.1} 4.9 ^{5.2} 4.9 ^{5.3} 4.9 ^{5.4} 4.9 ^{5.5} 4.9 ^{5.6} 4.9 ^{5.7} 4.9 ^{5.8} 4.9 ^{5.9} 4.9 ^{6.0} 4.9 ^{6.1} 4.9 ^{6.2} 4.9 ^{6.3} 4.9 ^{6.4} 4.9 ^{6.5} 4.9 ^{6.6} 4.9 ^{6.7} 4.9 ^{6.8} 4.9 ^{6.9} 4.9 ^{7.0} 4.9 ^{7.1} 4.9 ^{7.2} 4.9 ^{7.3} 4.9 ^{7.4} 4.9 ^{7.5} 4.9 ^{7.6} 4.9 ^{7.7} 4.9 ^{7.8} 4.9 ^{7.9} 4.9 ^{8.0} 4.9 ^{8.1} 4.9 ^{8.2} 4.9 ^{8.3} 4.9 ^{8.4} 4.9 ^{8.5} 4.9 ^{8.6} 4.9 ^{8.7} 4.9 ^{8.8} 4.9 ^{8.9} 4.9 ^{9.0} 4.9 ^{9.1} 4.9 ^{9.2} 4.9 ^{9.3} 4.9 ^{9.4} 4.9 ^{9.5} 4.9 ^{9.6} 4.9 ^{9.7} 4.9 ^{9.8} 4.9 ^{9.9} 4.9 ^{10.0}	5.1 2.16 7.15
15 0.9 1.0	.	5.0 5.1 5.10 5.0	5.1 2.16 7.26
16 1.0 1.1	.	5.0 5.1 5.15 5.0	5.2 2.15 7.30
17 1.4 1.5	.	5.5 ^{5.6} 5.7 ^{5.8} 5.6 ^{5.9} 5.7 ^{6.0} 5.7 ^{6.1} 5.7 ^{6.2} 5.7 ^{6.3} 5.7 ^{6.4} 5.7 ^{6.5} 5.7 ^{6.6} 5.7 ^{6.7} 5.7 ^{6.8} 5.7 ^{6.9} 5.7 ^{7.0} 5.7 ^{7.1} 5.7 ^{7.2} 5.7 ^{7.3} 5.7 ^{7.4} 5.7 ^{7.5} 5.7 ^{7.6} 5.7 ^{7.7} 5.7 ^{7.8} 5.7 ^{7.9} 5.7 ^{8.0} 5.7 ^{8.1} 5.7 ^{8.2} 5.7 ^{8.3} 5.7 ^{8.4} 5.7 ^{8.5} 5.7 ^{8.6} 5.7 ^{8.7} 5.7 ^{8.8} 5.7 ^{8.9} 5.7 ^{9.0} 5.7 ^{9.1} 5.7 ^{9.2} 5.7 ^{9.3} 5.7 ^{9.4} 5.7 ^{9.5} 5.7 ^{9.6} 5.7 ^{9.7} 5.7 ^{9.8} 5.7 ^{9.9} 5.7 ^{10.0}	5.9 2.06 7.83
18 2.0 2.1	.	6.2 6.3 6.40	6.5 1.96 8.36
19 2.3 2.3	.		6.5 1.94 8.44
20 2.3 2.4	.		6.80 6.9 1.86 8.66
21 2.3 2.4	.		6.9 1.84 8.74
22 2.3 2.4	.		7.1 1.79 8.89
23 2.5 2.6	.		7.3 1.74 9.04
24 2.7 2.8	+6.30 9.10		7.5 1.69 9.19
25 3.0 3.1	6.35 9.45		7.8 1.62 9.42
26 3.1 3.2	6.36 9.56		8.0 1.56 9.56
27 3.3 3.9 3.95 ¹⁰ 4.0	6.35 10.30		8.7 1.36 10.06
28	4.2 6.32 10.52		9.0 9.2 1.29 10.39
29	4.6 6.27 10.87		9.7 1.18 10.88

Series 420

July 2, 1915

copied

b.c.v

MC 7558 Pleiades		alt. corr. +19	
C	Curve magn.	g	h
29a 49	6.24 11.14		
30 53	6.17 11.47	1	Source to b. im.
W.S. 31 6.1 5.7	6.04 12.14	2	" " " "
32 6.7 6.5	5.96 12.56	3	" " " "
32a 6.9	5.90 12.80	4	" " " "
W.S. 33 6.1 7.1	5.87 12.97	5	" " " "
34 7.4	5.82 13.22	6	" " " "
34a 7.7	5.77 13.47	7	" " " "
35 8.3 8.5	5.68 14.08	8	" " " "
35a 9.0	5.64 14.64	9	" " " "
36 9.2	5.64 14.84	10	3.8 3.80 0.0 3.8 +2.54 6.34
37 9.5	5.65 15.15	11	4.1 4.10 0.0 4.1 2.51 6.61
38 9.8	5.70 15.50	12	4.3 4.30 0.0 4.3 2.50 6.80
39 2		13	4.7 4.80 ±1 4.9 2.43 7.23
		14	4.7 4.80 ±1 4.9 2.43 7.23
		15	4.9 4.95 ±0 5.0 2.41 7.36
		16	4.9 4.90 0.0 4.9 2.41 7.31
		17	5.5 5.60 ±1 5.7 2.30 7.90
		18	6.1 6.10 0.0 6.1 2.18 8.28
		19	6.2 6.25 0.1 6.3 2.16 8.41
		20	6.3 6.30 0.0 6.3 2.15 8.45
		21	6.5 6.60 ±1 6.7 2.09 8.69
		22	6.7 6.80 ±1 6.9 2.05 8.85
		23	6.9 6.95 ±0 7.0 2.04 8.99
		24	7.2 7.20 0.0 7.2 1.99 9.19
		25	7.5 Defective?
		26	7.5 7.60 ±1 7.7 1.94 9.54 2.0 9.7 9.80 ±1 9.9 1.80 11.60
		27	8.0 8.10 ±1 8.2 1.89 9.99
		28	8.8 8.90 ±1 9.0 1.82 10.72 ±1 4
		29	9.2 9.25 0.1 9.3 1.80 11.05
		29a	9.5 9.50 0.0 9.5 1.80 11.30

Diff. in "h" slightly along.

Series 420

Cand.

dev

July 2, 1915

Copied

MC 7559 Omitted		alt. cur + 0.7		Curve Magn. pc		Curve Magn.	
"B 7560 class 4 + 50		Curve Magn.		h		pc	
1	1.3 1.4	.	.	5.5	5.60 ^{±1}	5.7	+2.30 7.90 5.8
2	2.2 2.3	.	.	6.3	elong	6.6	2.15 8.45 6.6
3	2.3 2.4	.	.	6.7	6.80 ^{±1}	6.9	2.05 8.85 6.8
4	2.7 2.8	+6.30	9.10	6.9	6.95 ^{±1}	7.0	2.03 8.98 7.1
5	3.1 ^{3.2} 3.3 ^{3.4} 3.5 ^{3.6} 3.7 ^{3.8} 3.9 ^{4.0}	6.36	9.66	7.6	7.65 ^{±1}	7.7	1.94 9.59 8.0
6	3.6 3.7	6.36	10.06	8.0	8.10 ^{±1}	8.2	1.89 9.99 9.0 ^{8.85} 8.7 ^{8.92}
7	3.9 4.0 4.05 ^{±1} 4.1	6.33	10.38	8.2	8.25 ^{±1}	8.3	1.87 10.12 9.1
8	4.3	6.30	10.60	8.5	8.60 ^{±1}	8.7	1.84 10.44 9.3
9	5.2	6.19	11.39	9.5	9.65 ^{±2}	9.8	1.80 11.45 2
10	5.9	6.07	11.97				
11	6.1	6.04	12.14				
12	6.5	5.97	12.47				
13	6.8	5.92	12.72				
14	7.0	5.89	12.89				
15	7.5 ^{7.60} 7.7	5.79	13.39				
16	7.9	5.74	13.64				
17	8.1	5.72	13.82				
18	8.3	5.69	13.99				
19	8.9 ^{8.90} 8.9	5.64	14.54				
20	9.7 ^{9.70} 9.7	5.67	15.37				

Series 420

Cand.

bcl

July 2, 1915

Copied

MC 7561		bcl		alt. corr. + 20		Curve magn.		pc		Curve magn.	
13		4.0 + 46.5		h		pc		5.55 ^{±1}		+2.09 7.64	
1	10.11			4.7	4.80 ^{±1} 4.9	+2.43	7.23	5.4	5.7	+2.09	7.64
2	18.19			6.1	6.15 ^{±0} 6.2	2.18	8.33	6.2		2.00	8.20
3	21.22			6.3	elong	2.15	8.45	6.5	6.60 ^{±1}	1.91	8.51
4	30.31			+6.35	9.45 7.3	1.98	9.28	8.0	7.85 ^{±1} 7.7	1.59	9.44
5	33.34			6.36	9.76 7.7	1.93	9.63	8.2		1.50	9.70
6	36.37			6.36	10.06 8.0	1.90	9.90	8.7		1.37	10.07
7	40.41	4.15 ^{±0}	4.7	6.32	10.47 8.5	1.84	10.34	9.0		1.30	10.30
8		5.0		6.21	11.21 9.1	1.80	11.10	9.8		1.17	10.97
9		5.9		6.07	11.97						
10		6.20 ^{±12}	6.1	6.02	12.22						
11		6.2		6.02	12.22						
12		6.1		6.04	12.14						
13		6.5		5.97	12.47						
14		7.0		5.89	12.89						
15		7.2		5.86	13.06						
16		7.5		5.80	13.30						
17		7.8		5.76	13.56						
18		8.1		5.72	13.82						
19		8.3		5.69	13.99						
20		9.20 ^{±1}	9.1	5.64	14.84						

Series 430

Card

Dec

July 2, 1915

Copied

an	Mc 7562	Bar	40 + 65.0	alt. core. +17	Curve Magn.	PC	Curve Magn.
64	1	1.3 1.4			5.8 5.60 ^{±1} 5.7	+230 7.90 5.8	+2.06 7.86
20	2	2.3 2.4			7.2	2.00 9.20 7.5	1.69 9.19
51	3	3.2 3.3			+6.36 9.66 8.5 8.60 ^{±1} 8.7	1.95 10.55 8.9	1.33 10.23
44	4	3.6 3.7 3.75 ^{±10} 3.8			6.36 10.81 8.2 8.35 ^{±1} 8.5	1.86 10.21 9.5 9.60 ^{±1} 9.7	1.20 10.80
70	5		3.8		6.36 10.16 8.5 8.50 ^{±1} 8.5	1.84 10.34 9.5	1.21 10.71
07	6		4.2		6.31 10.51 8.9 9.00 ^{±1} 9.1	1.82 10.82 9.7	1.18 10.88
30	7		4.3		6.30 10.60 9.2	1.81 11.01 9.9	1.16 11.06
97	8		5.1		6.20 11.30 9.7 9.75 ^{±1} 9.8	1.80 11.55 9.8	
	9		5.1		6.20 11.30 9.8 9.80 ^{±1} 9.8	1.80 11.60	
	10		5.9		6.07 11.97		
	11		6.1		6.04 12.14		
	12		6.0		6.06 12.06		
	13		6.5 6.7 6.60 ^{±1}		5.96 12.56		
	14		6.9		5.90 12.80		
	15		7.1		5.87 12.97		
	16		7.3		5.84 13.14		
	17		7.5		5.80 13.30		
	18		7.8 7.9 7.85 ^{±1}		5.76 13.61		
	19		8.5 8.7 8.60 ^{±1}		5.66 14.26		
	20		9.5 9.7 9.60 ^{±1}		5.66 15.26		

Diff images along.

12 50

Series 430

Sev

July 2, 1915

Mc 7563 c		Pole		pc	
5		4.0	4.00 ⁰⁰ h	4.0	4.1
6		4.5	4.60 ²¹	4.7	5.0
8		6.0	6.05 ⁰¹	6.1	6.1
9		6.7	th	6.9	6.9
10	2.6 2.7	7.1	7.10 ⁰⁰	7.1	7.2
11	3.1 3.2	7.7	7.70 ⁰⁰	7.7	7.9 ⁵² 8.0
12	3.4 3.5	8.0	8.00 ⁰⁰	8.0	8.5
13	3.8 3.9 3.90 ⁰⁰ 3.9	8.3	8.40 ²¹	8.5	8.9
14	4.3	8.9	8.85 ¹⁰	8.8	9.5
15	4.8	9.3	9.40 ²¹	9.5	9.9
16	5.2	9.5	9.60 ²¹	9.7	
17	5.3	9.9	7		
18	6.1				
19	6.3				
20	6.8				
23	7.5				
25	8.1				
26	8.7				
27	9.0				
28	9.5 ⁰⁰ 9.5				
29	9.9 ⁰⁰ 9.9				

12 55

Series 430

July 4th, 1915

8c4

9 50

MC 7563 Cole

B

Bole
c

p_{219} Mean Diff. $\frac{g}{h}$ p_{219} Mean Diff. $^{\circ}C$ p_{219} Mean Diff.
 4.0 $3.95 \pm .02$ 3.9 3.95 3.95 0.00 2.54 4.2 4.1 $4.15 \pm .02$ 2.34

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Series 430

Dev

July 5, 1915

Copied:

Cand.

MC 7564 0 mil. (W. Neg)												
" 7565 Part 5 0 + 55 alt. corr. +.19												
	B	C	Curve	magn.	g	h	Curve	magn.	P	C	Curve	magn.
1	1.3 1.4				5.7	along	2.39	8.89	6.1	2.04	8.94	
2	1.7 1.8				5.9	"	2.35	8.15	6.4	2.00	8.40	
3	2.3 2.4		6.57	8.91	7.2	"	2.07	9.27	7.7	1.66	9.36	
4	3.0 ^{3.1} 2.8 ^{2.9} 3.0 ^{3.1}		6.48	9.48	7.7 ^{7.80¹¹}	7.9	1.94	9.74	8.2	1.51	9.71	
5	3.7 3.8 3.85 ^{0.1}	3.9	6.37	10.22	8.5 ^{8.60¹¹}	8.7	1.80	10.40	9.0	1.30	10.30	
6	4.1 4.2 4.25 ^{0.1}	4.3	6.31	10.56	9.0 ^{9.10¹¹}	9.2	1.74	10.84	9.5 ^{9.60¹¹}	9.7	1.21	10.81
7		4.7 ^{4.80¹¹}	4.7	6.23	11.03	9.3 ^{9.50²²}	9.7	1.75	11.25			
8		5.0	6.20	11.20	9.7 ^{9.75¹⁰}	9.8	1.82	11.57				
9		5.4	6.14	11.54	9.9	7	1.93	11.83				
10		6.0	6.03	12.03								
11		6.1	6.01	12.11								
12		6.3	5.98	12.28								
13		6.3	5.98	12.28								
14		7.0	5.84	12.84								
15		7.1	5.81	12.91								
16		7.3	5.78	13.08								
17		7.5	5.75	13.25								
18		8.0	5.66	13.66								
19		8.7	5.59	14.29								
20		9.5 ^{9.60¹¹} 9.7	5.60	15.20								

Box V

Series 430

July 5, 1915 Copied

Card.

MC 7566 122 K		alt. corr. - .22									
P ₀		Curve magn.		g		h		Curve magn.		PC	
1	2.3 2.4	6.51	8.91	7.0	7.05	7.1	2.10	9.15	7.3	1.79	9.69
2	2.4 2.5	6.50	9.10	7.1	7.1	7.1	2.09	9.19	7.5	1.72	9.22
3	3.2 3.3	6.44	9.74	8.2	8.25	8.3	1.86	10.11	8.7	1.35	10.15
4	3.7 ^{3.8} 3.4 3.5 3.65 2.1	6.40	10.05	8.3	8.4	8.5	1.83	10.23	8.9	1.32	10.22
5	3.9 4.0 4.00 0° 4.0	6.35	10.35	9.1	9.15	9.2	1.74	10.89	9.3	1.24	10.64
6		6.20	11.20	9.7	9.75	9.8	1.83	11.58			
7		6.17	11.47	9.8	9.80	9.8	1.87	11.67			
8		6.09	11.79	7							
9		6.5 ^{6.40 1.2} 6.3	5.96	12.36							
10		6.7 ^{7.00 1.1} 7.1	5.84	12.84							
11		7.7	5.71	13.41							
12		7.9	5.68	13.58							
13		8.2	5.63	13.83							
14		9.0	5.56	14.56							
15		9.8	5.66	15.46							

SeV

Series 430

July 5, 1915

Copied

Card

MC 7567		Cate 6 0 + 46.5		alt. corr. +.21									
a	B	c	Curve	magn.	Curve	magn.	PC	Curve	magn.	PC	Curve	magn.	
1.0	1				4.3 ^{4.30}	4.3	2.55	6.85	4.3	2.24	6.54		
	2	18	1.9		5.7 ^{5.70}	5.7	2.52	8.22	6.1 ^{6.20 ±1}	6.3	2.02	8.22	
	3	23	2.4	6.51	8.91	6.7 ^{6.80 ±1}	6.9	2.15	8.95	7.2	1.83	9.03	
	4	29	3.0	6.48	9.48	7.3 ^{7.40 ±1}	7.5	2.01	9.41	7.7	1.66	9.36	
	5	38	3.9 ^{3.90}	3.9	6.37	10.27	8.1 ^{8.15 ±0}	8.2	1.88	10.03	8.7	1.37	10.07
	6			3.8	6.39	10.19	8.1 ^{8.10}	8.1	1.89	9.99	8.7	1.37	10.07
	7			4.1	6.34	10.44	8.3 ^{8.40 ±1}	8.5	1.83	10.23	9.0	1.30	10.30
	8			4.9	6.21	11.11	9.1 ^{9.20 ±1}	9.3	1.74	10.94	9.5	1.18	<u>10.98</u>
	9			5.3	6.16	11.46	9.3 ^{9.40 ±1}	9.5	1.74	11.14			
	10			6.1	6.00	12.10	9.8	7	1.86	<u>11.66</u>			
	11			6.5	5.94	12.44							
	12			6.9	5.86	12.76							
	13			6.9	5.86	12.76							
	14			7.2 ^{7.25 ±1}	5.29	13.04							
	15			7.5	5.75	13.25							
	16			7.5 ^{7.60 ±1}	5.72	13.32							
	17			8.0	5.66	13.66							
	18			9.0	5.57	14.57							
	19			9.7	5.55	14.75							
	20			10.0									

Series 430

Set

July 5, 1915

agn.	mc	7568	Pole	g	h	pc
54	5	B	C	38	3.95 ¹⁰ 4.0	4.1
22	6			47	4.60 ¹⁰ 4.8	4.9
03	8			58	5.80 ⁰⁰ 5.8	6.2
36	9			63	6.40 ¹⁰ 6.5	6.9
07	10	2.3	2.4	70	7.00 ⁰⁰ 7.0	7.2
07	11	2.9	3.0	76	7.50 ⁰⁰ 7.5	7.9
30	12	3.4	3.5	79	7.95 ¹⁰ 8.0	8.5
98	13	3.7	3.8 3.85 ⁰¹	83	8.40 ¹⁰ 8.5	9.0
	14		4.3	90	9.00 ⁰⁰ 9.0	9.5
	15		4.8	93	9.30 ⁰⁰ 9.3	9.8
	16		5.2	97	9.70 ⁰⁰ 9.7	
	17		5.6	98	9.80 ⁰⁰ 9.8	
	18		6.1	3		
	19		6.4			
	20		6.7 6.80 ¹⁰ 6.9			
	23		7.7			
	25		8.1			
	26		8.7			
	27		9.1			
	28		9.7			
	29		7			

p. 110	✓ 1.5	6571	7401
p. 113	✓ - Carter	p. 114	129 K
p. 118	✓ - " "	" 136	133 K
" 119	✓ Miss & check	" 120	130 KV
" 120	"		
" 121	"		
" 127	"		
" 131	"		
" 134	✓		
" 135	✓		

121, S. Bortis

✓ 91. C. C. 6523
 ✓ 91. C. C. 6603
 ✓ 91. C. C. 6633
 ✓ 91. C. C. 6633

Miss O'Reilly look at p. 199 Star 11

4 - 9.30
 5 - 55.0

1914phae.proj..997L