

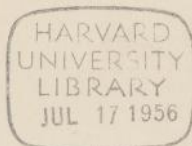
KG
11366
029

Observing Book. 2

Scale measures.

J. C. M.

KG 11366.029



Series reductions in this book as far as page 114 made with
magns. on scale of HC 170.

Underlines entered through p. 97 and wherever copied. Dec. 2, 1914.

2 AG 11366.028

4

January 9, 1913
North Polar Sequence.

MD 2152		
Scale M.	Sc. 1	Sc. 2
	52.5	
	63.7	
	85.0	4.8
	95.8	6.0
	105.8	5.8
	116.5	6.7
	126.5	6.8
	136.8	7.1
	14	7.4
	15	7.4
	16	8.4 9.2
	17	8.5
	18	8.8
	19	9.1
	20	n.s.
	23	
	25	
	26	
	27	

Plate badly streaked.

MD 2156

Sc. 1 Sc. 2

3.2

4.2

5.2

5.7

5.8

6.5

Did not feel equal to
measuring.

Miss Mackie

Measure with scale

MD Plates Nov. 18

MC 2251

MC 2384

January 13, 1913
North Polar Sequence.

MD 2156

Scale M

Scale M	Sc. 1	Sc. 2
5	defectin.	defectin.
6	defectin.	defectin.
8	5.2	5.2
9	5.7	6.6
10	5.9	6.5
11	6.5	6.7
12	6.5	7.4 6.7
13	6.6	7.2
14	7.0	7.5
15		7.4
16		8.0
17		7.9
18		8.0
19		9.5
20		9.5
23		n.s.
25		
26		
27		

Did not mark
seq. on plate.
discrd. maybe due
to wrong star meas.

6

January 14, 1913
North Polar Sequence.

YELLOW

Scale U.	MC 2251	Scale W	MC 2384	Isoschromatic
	sc. 1 sc. 2		sc. 1 sc. 2	
5 br.		3.3		
6 br.		4.5		
8 4.2		6.1	5.7	
9 4.6		6.8	6.2	
10 4.7		7.1	6.6	
11 5.3	5.0	7.2	7.2	
12 5.5	5.0	7.5	7.5	
13 5.8	5.6		7.9	
14 6.0	5.8		8.5	
15 6.2	6.2		8.8	
16 6.5	6.3		9.2	
17 6.6	6.6		9.3	
18 7.2	7.1		9.8	
19 7.7	7.3			
20 7.9	7.8			
23	8.2			
25	8.8			
26	9.0			
27	9.2			
28	9.5			
29	n. l.			

10 00

January 21, 1913.
North Polar Sequence.

Scale M	MD 2340		MD 2341		MD 2344			
	sc. 1.	sc. 2			sc. 1	sc. 2		
5	2.6 ^{2.8}	2.8			2.1	2.3		
6	3.4 ^{3.4}	t.b. 3.6			3.6	3.8		
8	4.9 ^{5.1}	4.9 5.05			5.1	5.3	5.3	5.30
9	5.7 ^{5.9}	5.6 5.75			5.4	5.6	5.5	5.55
10	5.8 ^{6.0}	5.7 5.85			5.8	6.0	5.8	5.90
11	6.5 ^{6.7}	6.4 6.55			6.2	6.4	6.4	6.40
12		6.4 ⁵ 6.5			6.9	6.9	6.8	6.85
13		6.8 6.8					6.8	
14		6.9 6.9					7.3	
15		7.0 7.0					7.7 6.9	
16		7.9 7.9					7.8	
17		8.3 8.3					9.2	
18		9.2 9.2					9.3	
19		9.5 9.5					9.5	
20		n.s.					n.s.	
23								
25								
26								
27								
28								
29								

10.30

8

10 35

January 21, 1913
North Polar Sequence.

Scale M.

	M.D 2351		M.D 2340		M.D 2344		M.D 2351	Mean	Res.	Diff.	Diff.
	se. 1	se. 2									
5	1.9	2.1			2.8	2.3	2.40	30 40 10		3.99	3.99
6	3.0	3.2			3.6	3.8	3.53	33 07 27		3.45	3.45
8	4.9	5.1	4.9	5.00	5.05	5.3	5.12	12 07 18		2.98	2.98
9	5.8	6.0	5.7	5.85	5.75	5.55	5.72	13 03 17		2.98	2.98
10	5.9	6.1	5.9	6.00	5.85	5.90	5.92	08 07 02		2.97	2.97
11	6.2	6.4	6.3	6.35	6.55	6.40	6.43	08 12 03		2.99	2.99
12	6.5	6.7	6.7	6.70	6.5	6.85	6.68	02 18 17		3.05	3.05
13	6.6	6.8	6.8	6.80	6.8	6.8	6.80	00 00 00		3.37	3.37
14	6.8	7.0	7.2	7.10	6.9	7.3	7.10	00 20 20		3.42	3.42
15		7.5			7.0	7.7	7.35	03 37 33		3.67	3.67
16		7.5			7.9	7.8	7.85	23 17 07		3.53	3.53
17		7.7			8.3	9.2	8.40	70 10 80		3.09	3.09
18		8.2			9.2	9.3	8.90	70 30 40		3.02	3.02
19		9.3			9.5	9.5	9.43	13 07 07		2.85	2.85
20		9.9			n.s.	n.s.	9.90	00 n.s. n.s.		2.59	2.59
23	n.s.										

-259 +116 +249

+26 -99 -32

14 -233 +17 +217
-27 +01 +016

Plotted.

10 55

January 25 1913
North Polar Sequence.

9.45

Scale M.		MD 2340		MD 2344		MD 2341 [124 K]		Magn	
		1 st sec.	2 nd sec.	Mean		Diff.	1 st sec. 2 nd sec.	ln	
4.14	5	2.2	2.4	2.40	2.35	0.05	6.0	6.0	4.16
3.86	6	3.1	3.3	3.30	3.25	0.05	6.2	6.6	3.80
3.18	8	4.8	5.0	5.00	5.05	0.05	6.4	3.16	8.16
2.83	9	5.9	5.9	6.00	6.00	0.00	6.4	6.6	2.92
2.87	10	6.1	6.0	6.15	6.15	0.00	6.8	7.5	2.94
3.05	11	6.5	6.5	6.60	6.50	0.10	—	8.3	3.04
3.04	12	6.8	6.8	6.85	6.82	0.03	—	8.7	3.11
3.18	13	7.1	7.1	7.15	7.12	0.03	—	3.17	10.27
3.30	14	7.4	7.4	7.30	7.35	0.05	—	3.25	10.65
3.33	15	7.8	7.8	7.7	7.75	0.05	—	3.26	11.06
3.20	16	8.2	8.2	8.2	8.20	0.00	—	3.24	11.44
2.38	17	8.2	8.2	8.3	8.25	0.05	Wrongly marked, rejected		3.13
2.86	18	9.0	9.0	9.4	9.20	0.20			3.14
3.22	19	9.2	9.2	9.5	9.2	—	15 min. out.	3.13	12.33
20	m.s.								

Plotted

January 25, 1913

11

alt. -19 Copied

alt. +18 Copied

Scale M

M D 2341 124 K

M D 2342 B3

	1 sec.	2 sec.	Cure Magn.		sec 1	sec 2	Cure Magn.	
1	5.9 ^{6.1}	6.0 6.05	08 05	2.93 8.93	1 2.9 3.1	3.10	3.87 6.97	
2	6.3 ^{6.5}	6.5 6.50	00 00	2.87 9.50 8.48	3.2 3.4	3.40	3.76 7.16	
3	6.4 ^{6.6}	6.6 6.60	00 00	2.91 9.51	3 3.5 3.7	3.70	3.66 7.36	
4	6.4 ^{6.6}	6.6 6.60	00 00	3.04 9.64	4 4.0 4.2	4.10 4.10	3.52 7.22	
5	-	7.2 3.21	10.41	3.12 10.32	5 4.4 4.6	4.45 4.45	3.50 7.60	
6		7.7 3.27	10.97	3.19 10.89	6 4.7 4.9	4.75 4.75	3.37 7.82	
7		8.8 3.17	11.97	2.98 11.78	7 4.6 4.8	4.80 4.80	3.23 7.68	
8		9.3 3.10	12.40	2.84 12.14	8 5.4 5.6	5.55 5.55	3.23 7.98	
9		9.5 3.07	12.57	2.79 12.29	9 5.8 6.0	5.95 5.95	3.14 7.89	
10	n.s.				10 6.1 6.3	6.15 6.15	3.22 8.42	
					11 6.4 6.6	6.40 6.40	3.11 7.91	
					12 6.5 6.7	6.70 6.70	2.96 8.51	
					13 6.7 6.9	6.80 6.80	2.91 8.46	
					14 6.8 7.0	7.00 7.00	2.90 8.85	
					15 6.9 7.1	7.15 7.15	2.86 8.81	
					16 7.3 7.3	7.30 7.30	2.94 9.09	
					17 7.3 7.3	7.30 7.30	2.84 8.99	
					18 7.5 7.5	7.50 7.50	2.97 9.37	
					19 7.7 7.7	7.70 7.70	2.86 9.26	
					20 8.0 8.0	8.00 8.00	3.07 9.77	
					21 8.6 8.6	8.60 8.60	2.95 9.65	
					22 9.0 9.0	9.00 9.00	3.11 9.91	
					23 9.6 9.6	9.60 9.60	2.99 9.79	
					24 9.9 9.9	9.90 9.90	3.17 10.17	
							3.05 10.05	
							3.20 10.35	
							3.10 10.25	
							3.16 10.46	
							3.16 10.46	
							3.18 10.68	
							3.18 10.88	
							3.12 11.12	
							3.00 11.60	
							2.92 11.92	
							3.06 12.66	

Re-measured with scale M. March 18, 1918

	1 sec.	2 sec.
2	4.3	4.7
3	5.0	5.0

Wrong unit was measured in the above plate.

Re-reducing using reading a unit
 brighter makes magnitudes 2 magnitudes
 dissonant, instead of one. Reject measures

March 18, 1918

January 25, 1913

alt. +16

copied.

Scale	M.	M.D 2343 76 K						M.D 2344 Pole					
		se.1	se.2	Cur Magn.				se.1	se.2	Cur Magn.			
1	4.8	5.0	5.0	3.16	8.116	5	2.1	2.3	2.34			4.	
2	5.1	5.3	5.30	3.05	8.35	6	3.0	3.2	3.24	3.83	7.63	3.	
3	5.8	6.1	6.05	2.97	8.27	8	5.0	5.2	5.0	5.10	14.12	3.11	8.21
4	6.3	6.6	6.55	2.84	8.89	9	5.9	6.1	5.9	6.00	14.12	2.92	8.92
5	6.8	7.0	7.00	3.02	9.57	10	6.0	6.2	6.1	6.15	0.5	2.94	9.09
6		7.2	3.20	2.90	9.45	11	6.3	6.5	6.3	6.40	14.12	2.97	9.37
7		7.6	3.26	3.16	10.05	12	6.8	7.0	6.7	6.85	2.1	3.12	9.97
8		7.8	3.26	3.05	10.32	13	6.9	7.1	7.2	7.15	0.5	3.20	10.35
9		7.9	3.26	3.14	10.79	14	7.0	7.2	7.4	7.30	0.5	3.23	10.53
10		8.5	3.21	3.17	10.97	15		7.7				3.27	10.97
11		9.3	3.10	3.14	11.04	16		8.2				3.25	11.46
12		9.7		3.02	11.52	17		8.3				3.23	11.53
13	ms.			2.84	12.14	18		9.4				3.08	12.48
						19	ms.						

11.00

Error of airt. 1.10 P.M.

Jan. 25.13 J.G.M.

Jan. 30 1913

January 30, 1913
North Polar Sequence.

8.50

Scale M. MD 2344 Pole

MD 2351 Pole

magn	Cu	magn	1 sec.	2 sec.	Mean Pole. Plate.	Diff. Diff	Sc. 1	Sc. 2	Cu	magn
	4.10	6.40	5	² 6.1 2.3		2.40 ¹⁸ ¹⁸	3.99 4.09 2.3	2.5	4.04	6.54
7.63	3.77	7.07	6	3.1 3.3		3.35 ¹ ₂₅ ² ₂₅	3.63 3.76 3.2 3.4		3.75	7.15
8.21	³ 3.11	8.28	8	5.0 ^{5.2}	5.1 5.15 ⁰ ₂₅ ¹ ₂₅	5.08 ⁰⁷ ⁰⁸	^{3.02} 2.10 3.15 4.8 5.0	5.0	5.00 ⁰⁷ ⁰⁷	8.17
8.92	2.98	8.93	9	^{5.9} 5.7	6.0 5.95 ¹ ₂₅ ⁰ ₂₅	⁹⁰ 5.88 ⁰⁵ ₀₇ ⁰⁵ ₂₈	^{2.8} 2.80 2.9 3 5.7 5.9	5.8	5.85 ⁰⁵ ⁰⁵	^{2.98} 8.13
9.09	2.98	9.08	10	^{6.1} 5.9	6.1 6.10 ⁰² ⁰²	6.08 ⁰² ⁰³	2.81 2.94 6.0 6.2	5.9	6.05 ¹² ¹²	^{2.97} 9.02
9.37	3.05	9.55	11	^{6.5} 6.3	6.5 6.50 ⁰² ⁰²	6.52 ⁰² ⁰³	2.90 3.03 6.1 6.3	6.8	6.55 ¹² ¹²	^{3.02} 9.62
9.97	3.09	9.69	12	^{6.6} 6.4	6.6 6.60 ⁰² ⁰²	6.72 ¹² ¹³	3.01 3.14 6.5 6.7	7.0	6.85 ¹² ¹²	^{3.20} 10.05
10.35	3.20	10.05	13	^{7.0} 6.8	6.7 6.85 ¹ ₂₅ ¹ ₂₅	6.98 ¹³ ¹²	3.19 3.42 6.8 7.0	7.2	7.10 ¹ ₂₅ ¹ ₂₅	^{3.31} 10.51
10.53	3.32	10.47	14	^{7.1} 6.9	7.2 7.15 ¹ ₂₅ ⁰ ₂₅	7.28 ¹³ ¹²	3.24 3.37	7.4	3.87	10.77
10.97	3.36	11.16	15		7.8	7.65 ² ₂₅ ¹ ₂₅	³ 3.29 3.43	7.5	3.39	10.89
11.46	3.22	11.72	16		8.5	¹⁰ 8.62 ⁴⁰ ⁴⁰	^{3.16} 6.6 3.30	⁸ 8.7	3.37	11.07
11.53	3.22	11.72	17		⁸ 8.5	8.35 ¹⁵ ² ₂₅	3.14 3.28	8.2	3.27	11.47
12.48			18			9.0	2.92 3.06	9.0	3.09	12.09
			19	n.s.		9.5	2.78 2.92	9.5	2.95	12.45
			20			9.8	2.79 ^{2.9} ^{3.0}	9.8	2.86	12.66

Plotted Jan. 30, 1913.

January 30, 1913

Series Plates

add. - 57

Copied

Marsale

MD 2345 [25]

MD 2346 not marked.

	se. 1	se. 2		Curr Magn.	
1	3.6	3.8	2.7 2.1 1.2	+3.20 ⁴⁷ 7.24	
2	4.1 ^{4.3}	4.0	4.15 ^{1.8} 2.5	3.33	7.48
3	4.4 ^{4.6}	4.3	4.45 ² 1.5	3.22	7.67
4	4.8 ^{5.0}	4.7	4.85 ² 1.5	3.10	7.95
5	5.2 ^{5.4}	5.3	5.35 ^{0.5} 2.5	2.96	8.31
6	5.5 ^{5.7}	5.4	5.65 ^{1.5} 2.5	2.88	8.53
7	5.8 ^{6.0}	5.9	5.95 ^{0.5} 2.5	2.84	8.79
8	6.0 ^{6.2}	5.9	6.05 ² 1.5	2.84	8.89
9	6.2 ^{6.4}	6.1	6.25 ² 1.5	2.86	9.11
10	6.7 ^{6.9}	6.8	6.85 ^{0.5} 0.5	3.15	10.00
11	6.8 ^{7.0}	6.9	6.95 ^{0.5} 2.5	3.18	10.13
12		6.9		3.16	10.06
13		7.2		3.24	10.44
14		7.4		3.26	10.66
15		7.5		3.26	10.76
16		7.5		3.26	10.76
17		8.0		3.21	11.21
18		7.9		3.23	11.13
19		7.9		3.23	11.13
20		9.0		2.97	11.97
21		9.1		2.93	12.03
22		9.5		2.82	12.32
23	n.s.				

January 30, 1913

Series Plates

Copied

alt. +0.6

alt. -17 copied.

Scale M.

M. 22347 [101 K]

M. 22348 126 K

Sc. 1				Sc. 2				Curv Magn.				Sc. 1				Sc. 2				Curv Magn.			
	5.2	5.4		5.2	5.30	10	10		3.07	8.637		4.0	4.2	3.47762	4.1	4.15	0.1	0.1	3	3.47			
1	5.7	6.0		5.9	5.95	0.1	0.1		+2.97	8.27		5.7	5.9	2.97834	5.8	5.85	0.1	0.1	2.85	8.70			
2	6.0	6.2		6.1	6.15	0.1	0.1		2.98	8.93		6.5	6.7	3.14984	6.7	6.70	0.1	0.1	3.05	9.75			
3	6.5	6.7		6.8	6.75	0.1	0.1		2.84	8.79		6.6	6.8	3.241014	7.0	6.90	1.8	1.8	3.16	10.06			
4	6.6	6.8		7.0	6.90	1.8	1.8		2.99	9.14		6.8	7.0	3.311411	7.2	7.10	1.8	1.8	3.21	10.31			
5				7.1	3.30	10.40			3.17	9.92													
6				8.2	3.28	11.44			3.10	9.85													
7				8.8	3.14	11.94			3.24	10.14													
8				9.5?	2.95	12.45			3.16	10.06													
9																							
10	n.s.																						

January 30, 1913

Series

alt. + 70

Copied

alt. + 71

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Scale M.

MD 2349 [53 K]

MD 2350 [29 K]

	se. 1	se. 2	Curr	Magn.	se. 1	se. 2	Curr	Magn.
1	5.8 6.0	6.0 6.00	2.98 +284	8.84	3.9 4.1	4.0 4.05	7.42 +337	8.11
2	5.9 6.1	6.2 6.15	2.99 2.84	9.14 8.99	5.0 5.2	5.0 5.10	8.11 8.94	9.01
3	6.1 6.3	6.3 6.30	3.00 2.87	9.30 9.17	6.0 6.2	6.0 6.10	9.36 2.84	9.36
4	6.5 6.7	6.6 6.65	3.10 3.01	9.75 9.66	6.2 6.4	6.5 6.45	2.91 10.13	10.13
5	6.6 6.8	6.9 6.85	3.20 3.15	10.05 10.00	6.7 6.9	7.0 6.95	3.18 3.18	3.18
6	7.0 7.2	7.0 7.10	3.31 3.22	10.41 10.32		7.8 3.24	11.04	11.04
7		8.4 3.24	3.12	11.5 2 3.37	7.8 3.24	11.04	11.04	11.04
8		8.8 3.14	3.01	11.8 1 3.33	7.8 3.21	11.21	11.21	11.21
9		9.0 3.09	2.96	11.9 6 2.97	7.4 2.85	12.25	12.25	12.25
10		9.3 3.01	2.88	12.1 8 2.86	9.8 2.74	12.54	12.54	12.54
11		9.6 2.92	2.80	12.4 0	4.0			
12		9.9 2.82	2.71	12.6 1				

10.00 P.M.

February 20, 1913

Scale 17 M D 2280

Magn
m
7.42
8.37
8.11
3.01
8.94
2.84
9.36
2.91
10.13
3.18

	se. 1	se. 2
5	2.5	
6	3.2	
8	4.3 ⁶	4.8
9	5.8	5.8
10	6.2	6.1
11	6.5	6.6
12	6.7	7.3
13	7.0	7.8 6.9
14		8.0
15		8.5
16		8.8
17		9.2
18		9.6
19	n.s.	

reject as was not equal to measuring

February 20, 1913

Scale M

MD 2282 [45 K]

1st sec. 2nd sec.

1	4.8	5.0
E 2	5.8	5.8
F 3	6.0	5.9
4	6.1	6.5
5	6.5	6.7
6	6.8	7.2
7		8.0
8		8.5
9		9.2
α	3.2	
β	3.7	
γ	3.9	4.0
δ	4.8	5.0

MD 2283 [21 K]

1st sec. 2nd sec.

1	
2	
E 3	
4	
5	
6	
7	
8	
9	
α	
β	4.2
γ	
δ	

project. See note on
preceding page.

April 5, 1913

Series Plates.

10, 45

Scale M

MD 2570

P. Cole

See page 34
for continuation
of this series.Diagram on this
without looking carefully

Reside			1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th	11 th	12 th	13 th	14 th	15 th	16 th	17 th	18 th	19 th	20 th
10	10	5	2.7	2.8	3.0	2.8	2.95	1.0	2.55	2.85	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4
21	28	6	3.2	3.3	3.5	3.2	3.45	0.1	3.26	3.5	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0
07	08	8	4.8	4.9		4.9	5.0	0.1	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3
10	10	9	5.5	5.7		5.5	5.6	0.1	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9
10	10	10	5.6	5.8		5.8	5.8	0.1	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
15	15	11	6.2	6.4		6.6	6.5	0.1	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
00	00	12	6.8	7.0		7.1	7.05	0.1	7.1	7.15	7.2	7.25	7.3	7.35	7.4	7.45	7.5	7.55	7.6	7.65	7.7	7.75
12	13	13	7.7			7.5	7.7	0.1	7.5	7.6	7.65	7.7	7.75	7.8	7.85	7.9	7.95	8.0	8.05	8.1	8.15	8.2
25	25	14				8.2	8.2	0.1	8.2	8.25	8.3	8.35	8.4	8.45	8.5	8.55	8.6	8.65	8.7	8.75	8.8	8.85
22	23	15				8.4	8.6	0.1	8.4	8.5	8.55	8.6	8.65	8.7	8.75	8.8	8.85	8.9	8.95	9.0	9.05	9.1
18	17	16				8.8	8.8	0.1	8.8	8.85	8.9	8.95	9.0	9.05	9.1	9.15	9.2	9.25	9.3	9.35	9.4	9.45
12	13	17				9.3	9.1	0.1	9.3	9.2	9.25	9.3	9.35	9.4	9.45	9.5	9.55	9.6	9.65	9.7	9.75	9.8
13	12	18				9.6	9.5	0.1	9.6	9.55	9.6	9.65	9.7	9.75	9.8	9.85	9.9	9.95	10.0	10.05	10.1	10.15
a	a	19	n.s.	n.s.																		
		20																				

34 36
4 4
-0.8 +0.9

+12 -13
5 5
+0.2 -0.3

65 65
4 4
*16 -16

43 42
13 13
+0.3 -0.3

Saturday, March 1, 1913

Series plates measured.

11.15 MD 2280 Pole

se. 1 se. 2

5	2.5	
6	3.4	
8	4.8	5.0
9	5.6	5.8
10	6.0	6.0
11	6.3	6.6
12	6.8	6.9
13	7.0	7.3
14		7.8
15		8.5
16		8.9
17		9.3
18		9.6

19 m.s

MD 2285 Pole

se. 1 se. 2

5	2.5	
6	3.5	
8	5.0	5.0
9	5.8	6.0
10	6.0	6.2
11	6.4	6.6
12	6.8	6.8
13		7.1
14		7.5
15		8.3
16		8.8
17		9.0
18		9.6

March 1, 1913

MD 2282

	ser. 1	ser. 2
1	5.0	5.0
2	5.8	6.0
3	6.2	6.2
4	6.4	6.5
5	6.7	7.0
6	7.0	7.3
7		7.8
8		8.5
9		9.3
10	3.5	
11	3.8	
12	4.1	4.1
13	5.0	5.0

MD 2291 Pole.

	ser. 1	ser. 2
5	2.4	
6	3.6	
8	5.0	5.0
9	5.0 5.6	5.6
10	6.2	6.1
11	6.6	6.6
12		7.0
13		7.5
14		7.7
15		8.2
16		8.5
17		8.8
18		9.0
19		n.s.

very poor plate

March 1, 1913

MD 2283			MD 2284		
	se. 1	se. 2		se. 1	se. 2
1	3.7		1	4.8	4.9
2	4.7		2	6.0	5.8
E 3	6.0	6.4	3	6.4	6.6
4	6.5	6.8	4	6.8	6.8
5	6.7	7.0	5		7.2
6		7.8	6		8.0
7		8.2	7		8.7
8		8.4	8		9.5
9		9.3	9		n.s.
10		n.s.			
α	3.2				
β	4.5	4.4			
γ	2.7				
δ	5.8	5.9			

March 1, 1913

23

MD 2286

se. 1 se. 2

1	3.8	
2	4.7	4.6
3	6.3	6.3
4	6.3	6.8
5	6.6?	7.3
6		7.8
7		8.6
8		9.2
9		n.s.

not very comparable.

MD 2288

se. 1 se. 2

α 1	2.1	
2	6.8	6.8
3	7.0	7.4
4		8.0
5		8.2
6		8.6
7		8.7
8		9.5
9		n.s.
β	4.7	4.8
γ	5.2	5.2
δ	6.2	6.5
ϵ	6.6	6.9

24

March 1, 1913.

MD 2289

+ sc. 1 sc. 2

1 3.5

2 3.4

3 3.7

4 4.0 4.0

5 4.1 4.1

6 4.2² 4.2

7 5.0 5.2

8 5.2 5.3

9 5.7 5.8

10 6.0 6.0

11 6.2 6.3

12 6.3 6.4

13 6.5 6.6

14 6.7 6.8

15 6.9 7.2

16 7.5

17 8.0

18 8.3

19 8.6⁶
~~8.7~~

20 8.7

21 8.8

22 9.3

23 n.s

for data to continue.

9.35

March 13, 1913

Thursday

Cepheids.

alt + 70

M_D 2430M_D 2431 51 K.

Scale M.	Sc. 1.	Sc. 2.		Sc. 1	Sc. 2.		Magn.
	3.2 3.4	B	3.49 a.	1	6.3 6.5	6.4	6.45 ^{1 0} 05 05 9.44
	6 3.6 3.8	B	3.89 a.	2	6.4 6.6	6.3	6.45 ^{2 1} 15 15 9.44
	8 4.8 5.0	4.9	4.95 05 05	3	6.8 7.0	6.8	6.90 ^{1 1} 10 10 9.85
	9 5.0 5.2	5.0 5.1 5.10 10 10 00		4	7.6		10.47
	10 ⁶ 6.1 6.3	* 5.1 5.8 5.70 5.80		5	8.2		11.00
6.9	11 ^{6.9} 6.3 6.5	6.9 6.9 6.80 ^{10 30 10 10} 27 13 13		6	8.7	^{7.00 23} 7.3	10.82
6.9	12 ^{6.9} 6.5 6.7	6.8 7.0 6.83 ^{5 05 15 25 15} 18 03 17		7	9.2		11.89
	13 6.8 7.0	6.9 6.95 05 05		8	8.8 9.2	^{9.00 2 20}	11.70
	14	7.8		9	9.6		12.83
	15	7.80 7.8 6.8		10 m.s.			
	16	8.8		11			
	17	8.8		12			
	18	8.9		13			
	19	9.7		14			
	20 m.s.			15			
	23						
	25						
	26						
	27						

* Reject 5.1 measured March 18, 1913; - 5.8, but do not use this measure

Thursday, March 13, 1913

alt. +21

Copied

MD 2432.27K

alt. +06

Copied

MD 2433 100K

Scale	M	Sc. 1	Sc. 2	Magn.	Sc. 1	Sc. 2	Magn.
1	5.4	5.6	B. 5.60 0	8.70 4.6 ⁴⁸	4.9 5.1	4.6 4.5	4.78 ^{0 3 2 3} <u>1 4 1 2</u> 7.94
2	6.2	6.4	6.4 6.40 0 0	9.39	5.2 5.4	4.6 5.7	5.23 ^{2 6 5} 8.34
3	6.3	6.5	6.1 6.2 6.3 6.28 ^{9.28} 2 2 1 0 6.0	6.2	5.7 5.9	4.7 6.0	5.70 ^{5 2 10 3} <u>5 6 5</u> <u>4 3 9</u> 4.877
4	6.6	6.8	6.8 6.80 0 0	9.76	6.3 6.5	6.3	6.40 <u>1 1</u> 9.39
5	7.2	8.0	7.7 7.85 2 1	10.68	6.7 6.9	6.9	6.90 0 0 9.84
6		7.9		10.73	7.2	7.6	10.47
7		8.7		11.44	7	8.1	10.90
8		9.2		11.89	8	8.8	11.52
9		9.6		12.23	9	9.7	<u>12.32</u>
10		9.8		<u>12.41</u>	10	9.8	<u>12.41</u>
11	m.s.				11	9.9	<u>12.50</u>
12					12	m.s.	
13					13		
14					14		
15					15		

copied. Thursday March 13, 1913.
Alt. 4.21

Scale m	m D 2434				52K		Magn.		m D 2435			
	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2
4.9	4.2	4.4	4.2	4.30	1.1	7.84	3.2	3.4	B	3.49	a	
4.7	4.8	5.0	4.6	4.5	4.78	1.2 2.3	7.94	5	3.2	3.4	B	3.49 a
3	5.8	6.0	5.8	5.90	1.1	8.95	6	3.2	3.4	B	3.49 a	
4	6.6	6.8	6.6	6.80	0.0	9.76	8	5.0	5.2	5.0	5.10	1.0
5	6.9	7.1	7.1	7.10	0.0	10.01	9	5.8	6.0	5.2	6.0	5.73 6.2 3
6	7.1	7.7	7.7	7.74	10.56	10.56	10	6.1	6.3	5.8	6.1	6.07 2.3 0
7		8.3	8.3	8.09		11.09	11	6.3	6.5	6.4	6.45	1.0
8		8.8	8.8	8.53		11.53	12	6.6	6.8	6.8	6.80	0.0
9		9.7				<u>12.32</u>	13	6.9	7.1	7.2	7.10 ⁵	1.0
10	m.s.						14	t.p.		7.5		
11							15			7.6		
12							16			7.8		
13							17			8.9		
14							18			9.2		
							19			9.4		
							20					
							23					
							25					
							26					
							27					

No. 2 difficult on Sc. 2.

Thursday March 13, 1913.

alt. +16

Chief

alt. +16

Scale m.

Tn.D. 2436 05

Copied.

Tn.D. 2437

77K

	Sec. 1	Sec. 2		Inagn.	Sec. 1	Sec. 2	Inagn.
4.2	1 2.8 3.0	B.	3.00	0	6.37	1 5.7 5.9	6.0 5.95 8.99
4.0	2 6.0 3.2	4.0 4.0	3.80	2 6 2 2 7.15	2 6.4 6.6	6.8 6.6 6.7 9.65	6.68 1 1 1 0
3.8	3 3.8 4.0	4.7 4.0	4.12	3 1 6 1	3 6.8 7.0	6.9 6.95 0 1 9.89	4.08
	4 4.0 4.2	4.1	4.15	0 1 7.32	4 5.2	7.8 10.64	
	5 4.8 5.0	5.0	5.00	0 6 8.16	5	8.9 11.61	
	6 5.1 5.3	5.6	5.45	1 2 8.55	6	9.3 11.98	
	7 5.1 5.3	5.3	5.30	0 0 8.41	7 m.s.		
	8 5.7 5.9	6.0	5.95	1 0 8.99	8		
	9 5.8 6.0	6.3 6.0	6.10	1 3 1 9.11	9		
	10 6.6 6.8	6.8	6.80	0 0 9.76	10		
	11 6.4 6.6	6.6	6.60	0 0 9.58	11		
6.8	12 7.0 7.2	6.8	6.93	1 3 1			
6.6			6.87	2 3 1 9.87	12		
	13 7.0 7.2	7.2	7.20	0 0 10.10	13		
	14 7.4	7.4		10.29	14		
	15	8.2		11.00	15		
	16	8.7		11.44			
	17	9.2		11.89			
	18	9.2		11.89			
	19	9.8		12.41			
	20 m.s.	m.s.					
	21 m.s.						
	22						
	23						
	24						

No. 3. is elliptic in shape - on edge.

Thursday March 13, 1913

alt. +22

alt. -18 Copied

Scale m. m. 2438 B4

Copied

m. 2439 126 K

Sc. 1	Sc. 2	Magn.	Sc. 1	Sc. 2	Magn.
1, 2.5 2.7	B.	2.70 0	1 4.0 4.2	4.0 8.1	4.10 1.1
2, 3.7 3.9	B.	3.90 0 7.19	2 5.8 6.0	5.6	5.8 5.80 2.20
3, 3.8 4.0	B.	4.00 0 7.28 6.4	3 6.2 6.4	6.7	6.7 6.40 2.00
4.2 4.0 4.7 4.9	4.0 4.2	4.32 1.6 3.1 7.56	4 6.8 7.0	7.2	6.8 7.00 0.22
4.6 4.4 5 4.8 5.0	4.6 4.3	4.62 0.4 0.3 7.82	5 7.2	7.7	10.54
6 4.8 5.0	5.1	5.05 1 8.20	6	8.8	11.52
7 5.2 4.9 5.4	5.1	5.25 2.1 8.36	7	9.0	11.70
8 5.7 5.9	5.8	5.85 1.0 8.90	8 m.s.	m.s.	
9 5.8 6.0	5.6 5.9	5.83 2.2 8.89	9	2.2	
10 6.0 6.2	6.1	6.15 0.1 9.16	10		
11 6.4 6.6	6.6	6.60 0.0 9.58	11		
12 6.6 6.8	6.7	6.75 0.1 9.72	12		
13 6.8 7.0	6.9	6.95 0.1 9.89	13		
14 7.0 7.2	7.1	7.15 0.1 10.06	14		
15 7.2	7.3	10.20	15		
16	7.6	10.47			
17	8.55 8.7 8.4	11.32			
18	7.70 7.7 7.7	10.56			
19	8.15 8.6 7.7	10.95			
20	9.0	11.70			
21	8.9	11.61			
22	9.8	12.41			
23	9.9	12.50			
24 m.s.	m.s.				

30

Copied

Thursday March 13, 1913.

78K

m D 2440 alt. \angle_{16}

m D 2441

Scale m	Se. 1	Se. 2	Magn.	Se. 1	Se. 2
B = 1	6.2 6.4	6.2 6.30 1.1	9.30 5.	2.6 2.8	B. 2.80 a
2	6.5 6.7	6.6 6.65 1.0	9.63 6.	3.2 3.4	B. 3.40 a
3	6.8 7.0	6.8 6.90 1.1	9.84 8.	4.8 5.0	5.2 5.05 0.1
4	7.2	6.9	9.84 9.	5.8 6.0	6.1 6.05 0.1
5	7.4	7.0	9.93 10.	6.2 6.4	6.4 6.40 0.0
6		8.8	11.52 11.	6.6 6.8	6.7 6.75 0.1
7		9.0	11.70 12.	6.8 7.0	6.9 6.95 0.1
8			13.	7.0 7.2	7.2 7.20 0.0
9			14.		7.7
10			15.		8.0
11			16.		8.3
12			17.		8.2
13			18.		9.6
14			19. m.		m. 5
15			20.		
			22.		
			25.		
α	3.9 4.1	4.0 4.05 1.0	7.33 26		
γ	3.2 3.4	B.	.		27
δ	5.2 5.4	5.2 5.30 1.1	8.41		
ϵ	6.8 7.0	7.0 7.00 0.0	9.93		

11.30

	\bar{m}_D 2430	\bar{m}_D 2435	\bar{m}_D 2441	Mean	Resid	Diff.	Diff.	Diff.
5	3.40	3.40	2.80	3.20	20 20 40	9.63	9.59	3.19
6	3.80	3.40	3.40	3.53	27 13 13	10.54	10.51	3.45
7	4.95	.	5.05
8	4.95 5.10	5.10	5.05 6.05	5.05	08 08 05 02	13.00	13.13	3.07
9	5.10	5.73	6.05 6.40	5.63	53 10 42	14.24	14.33	3.07
10	6.3 6.70	6.07	6.40 6.75	6.08	26 08 19 14 36 01 34	15.00	14.95	2.83
11	6.80	6.45	6.75	6.67	23 22 08	15.97	16.19	2.75
12	6.85	6.80	6.95	6.87	02 08 08	16.41	16.40	2.86
13	6.95	7.15	7.20	7.10	15 05 10	17.5	17.27	3.07
14	7.8	7.5	7.7	7.67	1 2 0	2.85		5
15	7.80	7.6	8.0	7.80	0 2 2	3.14		
16	8.8	7.8	8.3	8.30	5 5 0	2.96		
17	8.8	8.9	9.2	8.97	2 1 2	2.52		
18	8.9	9.2	9.6	9.23	3 0 4	2.69		
19	9.7	9.4	9.5	9.55	1 2 .	2.73		

$$\begin{array}{r} 10 \quad 05 \quad 05 \\ 5 \quad 5 \quad 5 \\ -0.2 \quad +0.1 \quad +0.1 \end{array}$$

$$\begin{array}{r} 06 \quad 44 \quad 26 \\ 4 \quad 4 \quad 4 \\ +0.2 \quad +0.6 \quad +0.6 \end{array}$$

$$\begin{array}{r} 1 \quad 10 \quad 8 \\ 5 \quad 5 \quad 4 \\ +0.2 \quad -0.2 \quad +0.2 \end{array}$$

$$\begin{array}{r} 06 \quad -139 \quad 111 \\ 14 \quad 14 \quad 14 \\ +0.0 \quad -1.0 \quad +0.8 \end{array}$$

Saturday, March 29, 1913

R X Cassiopeiae
Previous measures in book 1

Ab12745

d 1 v 9.40 ✓
9.52 12 12
v 1 e 9.64

Ab3143

c 2 v 9.04 ✓
9.12 08 08
v 1 d 9.20
defective image?

Ab4003

f 1 v 10.33 ✓
10.38 05 04
w 1 g 10.42

Ab6982

d 1 v 9.40 ✓
9.52 12 12
v 1 e 9.64

Ab3184

e 1 v 9.84 ✓
9.94 10 09
v 2 f 10.03

Ab6588

d 2 v 9.40 ✓
9.52 12 12
v 1 e 9.64

Ab7846

g 1 v 10.62 ✓
10.69 07 07
v 1 h 10.76

Ab2877

e 1 v 9.84 ✓
9.94 10 09
v 2 f 10.03

Ab6809

e 1 v 9.84 ✓
9.94 10 09
v 2 f 10.03

Ab662 ✓

d 1 v 9.40 ✓
9.52 12 12
v 1 e 9.64

Ab6047

g 1 v 10.62 ✓
10.64 02 02
v 2 h 10.66

Ab9850

d 2 v 9.50 ✓
9.57 07 07
v 1 e 9.64

Ab2899

c 2 v 9.04 ✓
9.12 08 08
v 1 d 9.20

Ab1877 ✓

e 1 v 9.84 ✓
9.94 10 09
v 2 f 10.03

Ab13649

d 2 v 9.40 ✓
9.52 12 12
v 1 e 9.64

Ab3148

c 2 v 9.04 ✓
9.12 08 08
v 1 d 9.20

Ab2273

e 2 v 9.94 ✓
10.04 10 09
v 1 f 10.13

fogged.

34

including plate
on page 19 of
this photo.

April 5, 1913

Series Plates

Copied.

Scale M

	M D	2571	alt. 107	73 K	
	1 st	1 st	2 nd	2 nd	Curve Magn. P.L.
1	4.345	4.3	4.40 10.10	+3.16 7.56	8.2
2	6.264	6.5	6.45 0.5 0.5	2.81	9.26
3		7.8	7.8 7.80 0.00	2.64	10.44
4		9.0	9.2 9.10 0.10	2.51	11.61
5		9.8			
		n.s.			

April 5, 1913

Series Plates.

alt. - .01

M_D 2572 *loophid* Neb. in Orion.

P. C.

	1 st sec.	2 nd sec.	1 st sec.	2 nd sec.	Curr Magn.	1 st sec.	2 nd sec.	1 st sec.	2 nd sec.	Curr Magn.
1	5.8 6.0	6.0	6.00	02 02	+2.90 8.90	9.1	9.10	02 02	-0.48 8.62	7.5
2	6.8 7.0	6.8	6.90	10 10	2.74 9.64	9.2	9.50	10 10	-0.58 8.92	7.0
3	6.9 7.1	7.2	7.15	05 05	2.70 9.85	9.8	9.80	02 02	-0.67 9.13	7.0
4	7.0 7.2	7.4	7.30	10 10	2.69 9.99	10.12	9.99	02 02	-0.67 9.13	7.0
5		7.8	8.2	8.00	20 20	2.62	10.62			7.5
6		8.3	8.0	8.15	15 25	2.60	10.75			7.8
7		8.8	8.8	8.80	02 02	2.54	11.34			7.8
8		9.2	9.1	9.15	05 25	2.51	11.66			7.8
9		9.7	9.6	9.65	05 25	2.49	12.14			7.8
10		M. 8								

36

April 5, 1913

7M Series Plates

alt. +22

Copied.

M D 2573

25 K

P. C.

Scale M.

	1 st	2 nd	1 st	2 nd	Cum. Magn.	1 st	2 nd	1 st	2 nd	Cum. Magn.
1	3.5 ^{3.7}		3.6 ^{3.8}	3.75 ^{3.9}	0.5 + 3.29 ^{3.7}	7.0		7.0	7.00	0.00 + 0.05 ^{7.05}
2	3.8 ^{4.0}		3.9 ^{4.1}	4.05 ^{4.2}	0.5 + 3.22 ^{3.9}	7.7		7.7	7.70	0.00 + 0.13 ^{7.83}
3	5.6 ^{5.8}	5.6		5.70 ^{5.9}	1.2 + 2.95 ^{5.7}	9.7		9.6	9.65	0.00 + 0.63 ^{10.25}
4	6.8 ^{7.0}	7.0		7.00 ^{7.1}	0.2 + 2.73 ^{7.0}					
5		7.8		8.0 ^{8.1}	7.90 ^{8.0}					
6		8.5		8.4 ^{8.5}	8.45 ^{8.5}					
7		9.2		9.2 ^{9.3}	9.20 ^{9.3}					
8		9.7		9.8 ^{9.9}	9.75 ^{9.8}					
9		n.s.		n.s.						

37

MD 2574

23 Ks?

Scale 1/4.

P. L.

[illegible]

38

April 5, 1913

Series Plates.

Scale M.

M.D. 2575

Pole ..

Sep. 19

P. C.

	1	at	2	nd	1	at	2	nd		1	at	2	nd	1	at	2	nd
5	2.5	2.7			2.6	2.8	2.75	$\frac{1}{0.05}$		5.8 ⁶⁰	6.0			6.00	0.0		
6	3.8	4.0			3.8	4.0	4.00	0.0		7.0				6.8	6.90	1.0	1.0
8	4.8	5.0			5.0	5.2	5.10	1.0	1.0	8.3				8.2	8.25	0.05	0.05
9	5.6	5.8	5.8		5.8	6.0	6.00	0.0	0.0	9.0				9.0	9.00	0.0	0.0
10	5.8	6.0	6.0		6.0	6.2	6.20	0.0	0.0	9.5				9.6	9.55	$\frac{1}{0.05}$	$\frac{1}{0.05}$
11	6.6	6.8	6.8		6.8	7.0	7.00	0.0	0.0	n.s.				n.s.			
12	6.7	6.9	7.2		7.2	7.4	7.35	$\frac{1}{0.05}$	$\frac{1}{0.05}$								
13	7.0	7.2	7.5		7.5	7.7	7.6	$\frac{2}{0.1}$	$\frac{1}{0.05}$								
14			7.8		7.8	8.0	7.9	7.90	1.0	1.0							
15			8.1		8.1	8.3	8.2	8.20	$\frac{1}{0.05}$								
16			8.5		8.5	8.7	8.6	8.60	$\frac{1}{0.05}$								
17			9.0		9.0	9.2	9.1	9.10	$\frac{1}{0.05}$								
18			9.3		9.3	9.5	9.4	9.40	0.0	0.0							
19			9.8		9.8	10.0	9.9	9.90	0.0	0.0							
20			n.s.		n.s.												

Scale M

MD 2575

Pole

P. 6

Residuals		1 st		2 nd		1 st		2 nd		1 st		2 nd		1 st		2 nd	
02	03	5	2.7 2.9			2.7	2.9 2.90	0.00	0.00	2.85	2.88 +3.51	5.8	6.0	6.2			
12	13	6	3.8 4.0			3.8	4.0 4.00	0.00	0.00	4.25	4.12 2.86			7.1			
33	32	8	4.7 4.9			4.8	5.0 4.95	0.05	0.05	5.60	5.28 2.82			8.2			
13	13	9	5.8 5.9	5.8						5.85	5.05 5.98	2.72		9.1			
13	12	10	6.5 6.1	6.1						6.05	5.05 6.30	6.18	2.71	9.5			
03	02	11	6.8 6.8	6.8						6.75	5.05 6.90	6.88	2.74	n.s.			
05	05	12	7.0 6.9	7.0						6.95	5.05 7.05	7.00	2.73				
10	10	13	7.0 7.2	7.2						7.20	5.40 7.00	7.35	2.82				
05	05	14		7.8						7.9	7.85 5.05	7.85	7.89	2.67			
07	08	15		8.1						8.2	8.15 5.05	8.40	8.28	2.72			
05	05	16		8.5						8.4	8.45 5.05	8.45	8.55	2.71			
08	07	17		9.1						9.1	9.10 5.05	9.05	9.08	2.71			
20	20	18		9.3						9.2	9.25 5.05	9.25	9.30	2.74			
	2	19		9.8						9.7	9.75 5.05	9.75	9.75	2.53			
		20		n.s.						n.s.							

$$\begin{array}{r} 56 \\ \underline{4} \\ 4 \\ -16 \end{array}$$
$$\begin{array}{r} 26 \\ \underline{5} \\ -05 \end{array} \quad \begin{array}{r} 24 \\ 5 \\ +05 \end{array}$$
$$\begin{array}{r} 24 \\ \underline{4} \\ -06 \end{array} \quad \begin{array}{r} 26 \\ 4 \\ +06 \end{array}$$
$$\begin{array}{r} 106 \\ \underline{13} \\ -08 \end{array} \quad \begin{array}{r} 104 \\ 13 \\ +08 \end{array}$$

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Monday, April 7, 1913

Series Plates.

Copied.

alt + 64

Scale M

MD 2576

97 K

P.C.

	1 st	2 nd	1 st	2 nd	Cure Magn.	1 st	2 nd	1 st	2 nd	Cure Magn.		
1	2.8 3.0		2.6 2.8	2.9 3.0	12.10	+3.34	6.24	6.36.5	6.4	6.45 05 05	+0.10	6.55
2	6.8 7.0	6.9		6.95 05 05	0.1	2.72	9.67					
3	7.0 7.2	7.2		7.20 05 05	14.05	2.72	9.92					
4		7.9		8.2	8.05 15 15	2.71	10.76					
5		8.5		8.5	8.50 05 05	2.66	11.16					
6		8.8		9.0	8.90 14 14	2.57	11.47					
7		9.0		9.1	9.05 05 05	2.54	11.59					
8		9.6		9.5	9.55 05 05	2.44	11.99					
9		9.9		10.0	9.95 05 05							
10		n.s		n.s								

Monday, April 7, 1913

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Series Plates -

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alt. 60

Scale M

M D 2577

26 Ks.

P. 6

	1 st	2 nd	1 st	2 nd	Curv	Magn.	1 st	2 nd	Curv Magn.
1	2.830		2.931	3.05 $\frac{0.1}{0.05}$	+3.27	6.32	7.4		7.3 7.35 $\frac{0.1}{0.05}$ -0.07 7.28
2	5.052	4.9		5.05 $\frac{2.1}{1.5}$	2.78	7.83	9.0		8.8 8.90 $\frac{1.0}{1.0}$ -0.45 8.45
3	5.961	6.0		6.05 $\frac{1.0}{0.5}$	2.72	8.77	9.6		9.5 9.55 $\frac{0.1}{0.05}$ -0.62 8.93
4	7.072	7.1		7.15 $\frac{0.1}{0.05}$	2.72	9.87			
5		7.9	7.9	7.90 $\frac{0.0}{0.0}$	2.72	10.62			
6		8.8	9.0	8.85 $\frac{1.0}{0.5}$	2.60	11.45			
7		9.5	9.6	9.55 $\frac{1.0}{0.5}$	2.44	11.99			
8		10.0	n.s.	10.0					

42

Monday, April 7, 1913

Series Plates.

Copied.

Alt. +13

Scale M

M D 2578

25 Rs..

P.C.

1 st	2 nd	1 st	2 nd	Cure Magn.	1 st	2 nd	1 st	2 nd	Cure Magn.	
1	3.032	2.9 ^{3.1}	3.15 ^{0.1} 05 05	+3.24	6.39 ⁴⁹	6.466	6.7	6.65 ^{0.1} 05 05	+0.07	6.72 ⁸³
2	3.133	3.032	3.25 ^{1.0} 05 05	3.20	6.45 ⁵⁵	6.668	6.9	6.85 ^{0.1} 05 05	+0.03	6.88 ⁷⁰¹
3	5.557	5.5	5.60	10 10	2.73	8.33 ⁴⁶	9.6	9.5 ^{0.1} 05 05	-0.62	8.93 ²⁰⁶
4	6.264	6.6	6.50	10 10	2.72	9.22 ³⁵				
5	6.870	6.8	6.90	10 10	2.72	9.62 ⁷⁵				
6	7.072	7.6 ⁵	7.05 ^{2.1} 15 15	2.73	10.08 ²⁰¹					
7	7.7		7.5	7.60	10 10	2.73	10.33 ⁴⁶			
8	8.1		8.0	8.05 ^{1.0} 05 05	2.71	10.76 ³⁹				
9	8.9		8.6	8.75 ² 15 15	2.60	11.35 ⁴⁹				
10	9.0		9.0	9.00	00 00	2.55	11.55 ⁵⁹			
11	9.6		9.5 ^{0.1} 05 05	2.44	11.99 ^{12,13}					
12	9.8		9.8	9.80	00 00					

Monday, April 7, 1913.

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Series Plates.

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Alt +05

K98

M.D. 2579

Scale 17

P.C.

	1 st	2 nd	1 st	2 nd	Curr Magn.	1 st	2 nd	1 st	2 nd	Curr Magn.
1	2.224		2.527	2.55 $\frac{2.1}{15}$	+3.45 6.00	6.042	6.1			6.15 $\frac{0.1}{15}$ +0.16 6.31
2	5.0 5.2	5.0	5.10	10 $\frac{10}{10}$	2.77 7.87		8.2			8.38 $\frac{0.1}{15}$ -0.30 8.55
3	6.8 7.0	6.8	6.90	10 $\frac{10}{10}$	2.73 9.63		9.6			9.6 9.60 $\frac{0.1}{15}$ -0.63 10.23
4	7.0 7.2	7.1	7.15	05 $\frac{1}{15}$	2.73 9.88		9.8			9.9 9.85 $\frac{0.1}{15}$ -0.70 10.55
5		7.2	7.2	2	7.20 02 00	2.73 9.93	n.s			n.s
6		7.7	7.6	7.65 $\frac{1.0}{15}$	2.73 10.98					
7	Wargunit. 8.6		8	8 8 0 $\frac{1}{15}$	2.64 11.20					
8	8.6		8.6	8.55 $\frac{0.1}{15}$	2.73 10.28					
9		9.2	9.2	9.20 04 00	2.50 11.70					
10		n.s		n.s.						

Wrong star ident. Jan 27/14

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Monday, April 7, 1913

Series Plates.

Copied.

Alt. 19

M₂ 2580

123 K.

Scale M.

P.L.

	1 st	2 nd	1 st	2 nd		1 st	2 nd	1 st	2 nd	Curc Magn.
1	5.2 ^{5.4}	5.2 5.30 10 10			Curc Magn.					
					+2.75	8.05	8.8			
2	⁶ 7.062	6.0 6.10 10 10			2.72	8.82	9.8	9.0	8.90 10 10 -0.45	8.45
3		7.2 ⁰		7.0 7.00 10 10	2.72	9.72		9.9	9.85 ^{0.1} 0.05 -0.70	<u>9.15</u>
4		7.7		7.8 7.75 ^{0.1} 0.05	2.73	10.48				
5		8.6		8.4 8.50 10 10	2.66	11.16				
6		8.8		8.8 8.80 10 10	2.60	11.40				
7		^{9.2} 8.6		9.1 9.15 ^{0.1} 0.05	2.51	11.66				
8		^{9.4} 9.2		9.3 9.35 ^{0.1} 0.05	2.47	11.82				
9		9.8		9.7 9.75 ^{0.1} 0.05	2.48	<u>12.13</u>				
10		n.s.		n.s.						

Monday, April 7, 1913

Series Plates.

Scale M.

MD 2581

Sep. 39

Pole.

P.C.

	1 st	2 nd	1 st	2 nd	1 st	2 nd	1 st	2 nd
5	2.628		2.729	2.85 ⁰¹ 05	6.264	6.0	6.20	22 22
6	4.042		4.1	4.3 4.25 ⁰¹ 05	7.072	7.2	7.20	04 00
8	5.254		5.6	5.8 5.60 20 20	8.5		8.3	8.40 10 10
9	5.860		6.0	6.2 6.10 10 10	9.2		9.4	9.30 10 10
10	6.163		6.1	6.3 6.30 00 00	9.6		9.5	9.55 ⁰¹ 05
11	6.567		6.7	6.9 6.80 10 10	n.s.			
12	6.870		6.9	7.1 7.05 ⁰¹ 05				
			2 nd Scale					
13			7.375	7.5 ^{7.30 02 02}	7.40	1.1		
14			7.779	7.8 ^{7.85 05 05}	7.75	1.0		
15			8.486	8.2 ^{8.40 20 20}	8.30	1.1		
16			8.587	8.6 ^{8.65 05 05}	8.55	1.0		
17			8.991	9.0 ^{9.05 05 05}	8.95	1.0		
18			9.698	9.7 ^{9.75 05 05}	9.65	0.1		
19			n.s.					
20								

Monday, May 5, 1913
Series MD 2626 - 2637

MD 2626

Pole

Scale M.

	1 st	1 st		m.D 2631 h.51	m.D 2637 h.57	Mean	Diff	Pris comp. 2 nd	
5	3.1 3.3	3.2 3.4	3.35 ± 0	3.45	3.20	3.33	02 12 13	3.06	7.0 7.2
6	4.0 4.2	4.0	4.10 ± 1	4.65	4.65	4.47	37 18 18	2.51	7.9 7.9
8	5.9 6.1	6.0	6.05 ± 0	6.10	5.90	6.02	03 08 12	2.08	9.1 9.1
9	6.7 6.9	6.9	6.90 ± 0	6.65	6.45	6.67	23 02 22	2.03	9.9 10.0
10	7.0 7.2	7.0	7.10 ± 1	7.00	7.00	7.03	07 03 03	1.86	
11		7.4	7.6 7.50 ± 1	7.35	7.55	7.76	47 20 12	08 1.95	
12		8.1	8.2 8.10 ± 1	8.00	7.80	7.97	13 03 17	1.76	
13		8.5	8.6 8.55 ± 0	8.20	8.55	8.43	11 23 12	1.74	
14		8.9	8.8 8.85 ± 0	8.75	8.80	8.80	05 05 00	1.72	
15		9.1	9.2 9.15 ± 0	9.00	9.10	9.08	07 08 02	1.86	
16		9.3	9.4 9.35 ± 0	9.50	9.40	9.42	07 08 02	1.84	
17				9.75	9.75	a		1.74	

Strepsed

[illegible]

Monday, May 5, 1913
 Series MD 2626 - 2637 Copied.
 alt. - 15

Scale M.		MD 2627		D 6		11 h - 15 ⁰			
	1 st	2 nd		Curve	Magn.	Obs. 2 nd	comp. 2 nd	Curve	Magn.
1	4.143	4.3	4.30 00	+2.58	6.88	8.1	8.0 8.05 10	-1.00	7.05
2	5.0 5.2	5.0	5.10 12	2.30	7.40	8.5	8.4 8.45 10	-1.08	7.37
3	5.1 5.3	5.0	5.15 12	2.29	7.44	8.5	8.5 8.50 00	-1.09	7.41
4	5.2 5.4	5.5	5.45 01	2.20	7.65	8.7	8.7 8.70 00	-1.11	7.59
5	5.7 5.9	5.8	5.85 10	2.11	7.96	9.5	9.3 9.40 11	-1.20	8.20
6	5.8 6.0	5.8	5.90 11	2.10	8.00	9.8	9.4 9.60 22	-1.23	8.37
7	6.0 6.2	6.0	6.10 12	2.05	8.15	9.6	9.8 9.70 11	-1.25	8.45
8	6.3 6.5	6.1	6.30 22	2.00	8.30	10.0?	10.0? 10.00 00	-1.28	8.72?
9	6.6 6.8	6.8	6.80 00	1.90	8.70				
10	6.8 7.0	7.1 2 nd	7.05 01	1.88	8.93				
11		7.0 7.0	7.00 00	1.89	8.89				
12		7.4 7.5	7.45 01	1.83	9.28				
13		7.6 7.6	7.60 00	1.82	9.42				
14		7.3 7.5	7.40 11	1.84	9.24				
15		7.8 8.0	7.90 11	1.80	9.70				
16		8.0 8.0	8.00 00	1.80	9.80				
17		8.0 8.2	8.10 11	1.79	9.89				
18		9.0 8.8	8.90 11	1.77	10.67				
19		9.3 9.2	9.25 10	1.77	11.02				
20		9.2 9.2	9.20 00	1.77	10.97				
21		9.5 9.6	9.55 10	1.78	11.33				

Streasured

48

Monday, May 5, 1913

Series MD 2626 - 2637 Copies.

Alt. +90

MD 2628

	MD 2628				13 K.				
Scale M.	1 st	2 nd			Curve Magn.	Pris. 2 nd	comp. 2 nd		Curve Magn.
1	5.254	5.0	5.20	2.2	+2.27 7.47	8.8	8.7 8.75 0.1	-1.11	7.64
2	6.870	7.0	7.00	0.0	1.90 8.90	10.0	10.0 10.00 0.0	-1.28	<u>8.72</u>
3	7.072	7.2	2 nd 7.20	0.0	1.86 9.06				
4		7.3	7.4	7.35 1.0	1.84 9.19				
5		8.5	8.3	8.40 1.1	1.78 10.18				
6		8.8	8.9	8.85 0.1	1.77 10.62				
7		9.1	9.3	9.20 1.1	1.77 10.97				
8		9.6	9.6	9.60 0.0	1.78 11.38				

Strained

Monday, May 5, 1913

Series MD 2626 - 2637

alt - 12

MD 2629

127 K

Scale M.	2 nd	2 nd		Quere Magn.	no pris. comp. to ft.
1	7.4	7.5	7.45 01	+1.84	9.29
2	7.5	7.7	7.60 11	1.82	9.42
3	9.0	9.0	9.00 00	1.77	10.77
4	9.3	9.2	9.25 10	1.77	11.02
5	9.5	9.5	9.50 00	1.78	11.28

Strained

Monday, May 5, 1913.

Series MD 2626 - 2637 Copied

alt. + 17

MD 2630 79 K. Pris. comp.

Scale M.	1 st	2 nd	Curve Magn.		2 nd	2 nd	Curve Magn.	
1	6.062	6.1	6.1501	+2.04	8.19	9.5	9.4	9.4510 -1.21 8.24
2	6.668	6.6	6.7071	1.92	8.62	10.0	10.0	10.0000 -1.28 <u>8.72</u>
3	7.072	7.4	2 nd 7.3011	1.85	9.15			
4		8.0	7.9	7.9501	1.80	9.75		
5		8.6	8.6	8.6000	1.78	10.38		
6		8.8	8.8	8.8000	1.77	10.57		
7		9.4	9.3	9.3501	1.77	11.12		

Streaked

Monday, May 5, 1913

Series MD 2626 - 2637

MD 2631				Pole		Pis. comp.		
Scale M.	1 st	2 nd	3 rd	4 th	5 th	1 st	2 nd	3 rd
5	3.335	3.234	3.45	10		7.072	7.1	7.15 01
6	4.547	4.6	4.65	10		8.0	8.2	8.00 00
8	6.062	6.0	6.10	11		9.5	9.5	9.50 00
9	6.567	6.6	6.65	10		10.0	10.0	10.00 00
10	6.870	7.0	7.00	00				
11	7.173	7.4	7.35	10				
12		8.0	8.0	8.00	00			
13		8.2	8.2	8.20	00			
14		8.7	8.8	8.75	10			
15		9.0	9.0	9.00	00			
16		9.5	9.5	9.50	00			
17		9.7	9.8	9.75	10			

Streaked

Monday, May 5, 1913

Series MD 2626 - 2637

Alt. + 57

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Scale M.	MD 2632		55 K		Curc Magn. Dis comp. to ft.	
	1 st	2 nd				
1	6.971	7.0	2 nd 7.15 \pm .2	+1.87	7.02	
2		7.4	7.3 7.35 \pm .1	1.84	9.19	
3		7.7	7.9 7.80 \pm .1	1.80	9.60	
4		8.3	8.4 8.35 \pm .0	1.78	10.13	
5		9.0	9.0 9.00 \pm .0	1.77	10.77	
6		9.2	9.2 9.20 \pm .0	1.77	10.97	
7		9.8	9.9 9.85 \pm .0	1.79	<u>11.64</u>	

Broken

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 Series MD 2626 - 2637 Copied.

Alt. +12

Scale M	MD 2633		31 K		Dis. comp.		Curv Magn.	
	1 st	2 nd	1 st	2 nd	1 st	2 nd	1 st	2 nd
1	4.850	5.0	5.00 00	+2.32	7.32	8.8	8.6	8.70 11 7.11 7.59
2	5.860	5.9	5.95 01	2.09	8.04	9.3	9.3	9.30 00 -1.20 8.10
3	6.567	6.8	2 nd 6.75 10	1.91	8.66	10.0	10.0	10.00 00 -1.28 <u>8.72</u>
4		7.7	7.5 7.60 11	1.82	9.42			
5		8.0	8.0 8.00 00	1.80	9.80			
6		8.5	8.4 8.45 10	1.78	10.23			
7		8.8	8.7 8.75 10 1/2	1.77	10.52			
8		9.4	9.5 9.45 01	1.78	11.23			
9								

Strained.

Monday, May 5, 1913
 Series MD 2626 - 2637
 Alt. +16

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Scale M	MD 2634		103 K		Pis. comp.					
	1 st	2 nd	Curr Magn.		2 nd	2 nd	Curr Magn.			
1	6.062	6.0	6.10	1.2	+2.05	8.15	9.2	9.1	9.15	6.1 -1.18 7.97
2	6.971	7.0	2 nd 7.05	1.0	1.88	8.93	10.0	10.0	10.00	0.0 -1.28 <u>8.72</u>
3		7.8	7.8	7.80	0.0	1.80	9.6	0		
4		8.6	8.6	8.60	0.0	1.78	10.38			
5		8.9	8.9	8.90	0.0	1.77	10.67			
6		9.7	9.6	9.65	1.0	1.79	11.44			
7		10.0	10.0	10.00	0.0	1.79	<u>11.79</u>			

Streaked.

Monday, May 5, 1913
 Copied Series, MD 2626 - 2637
 alt. + 11

Scale M.	MD 2635		80 K		Pis. comp.		Course Magn.	
	1 st	2 nd	1 st	2 nd	1 st	2 nd	1 st	2 nd
1	4.345	4.6	4.55	1.0	+2.49	7.04	8.2	8.1 8.15 0.1
2	5.052	5.0	5.10	1.1	2.29	7.39	8.8	8.8 8.80 0.0
3	5.759	6.0	5.95	1.0	2.10	8.05	9.5	9.4 9.45 1.0
4	6.769	7.0	6.95	1.0	1.89	8.84	10.0	10.0 10.00 0.0
5		7.8	7.8	1.80	0.0	1.80	9.60	
6		8.2	8.1	8.15	0.1	1.79	9.94	
7		8.5	8.5	8.50	0.0	1.77	10.27	
8		8.7	9.0	8.85	1.2	1.77	10.62	
9		9.6	9.8	9.70	1.1	1.79	<u>11.49</u>	

Streaked

Monday, May 5, 1913
Series MD 2626 - 2637

Alt. +.14

copied.

	MD 2636		5 K		Pis. comp.			
Scale M.	1 st	2 nd	Curr Magn.		2 nd	2 nd	Curr Magn.	
1	5.052	5.3	5.25	0.1	+2.25	7.50	9.0	9.1 9.05 0.1 -1.17 7.88
2	6.163	6.2	6.25	1.0	2.01	8.26	10.0	9.9 9.95 0.1 -1.27 <u>8.68</u>
3	6.567	6.8	6.75	1.0	1.91	8.66		
4	7.072	7.0	2 nd	7.10	1.88	8.98		
5		8.0	7.8	7.90	1.80	9.70		
6		8.2	8.0	8.10	1.79	9.89		
7		9.1	9.0	9.05	1.77	10.82		
8		9.6	9.5	9.55	1.78	11.33		

Streaked.

Monday, May 5, 1913
Series MD 2626 - 2637

Scale M.	MD 2637		Pole Sep. 46	Pis. comp.		
	1 st	2 nd		1 st	2 nd	
5	3.032	3.032	3.20 00	7.072	7.1	2 nd 7.15 01
6	4.547	4.6	4.65 10	8.0	8.0	8.00 00
8	5.860	5.8	5.90 11	9.3	9.3	9.50 00
9	6.466	6.3	6.45 21	10.0	10.0	10.00 00
10	6.870	7.0	2 nd 7.00 00			
11	7.6	7.5	7.55 01			
12	7.7	7.9	7.80 11			
13	8.5	8.6	8.55 10			
14	8.8	8.8	8.80 00			
15	9.0	9.2	9.10 11			
16	9.4	9.4	9.40 00			

Straked.

Thursday May 8, 1913

Series Plates MD 2583 - 2594

Scale M.	MD 2583		Pole		Pis comp.		Mean		Diff
	1 st	1 st	2 nd	2 nd	1 st	2 nd	Mean	Mean	
5	2.7 ²⁹	2.7 ²⁹	2.35	2.45	2.57	3.32	12	12	+0.17
6	3.8 ^{4.0}	4.0	3.25	3.30	3.52	4.8	27	22	-0.09
8	5.1 ^{5.3}	5.1	5.10	5.10	5.13	07	13	03	-0.32
9	5.8 ^{6.0}	5.9	6.10	5.90	5.98	03	12	08	-0.40
10	6.0 ^{6.2}	6.0	6.25	6.10	6.22	15	05	10	-0.61
11	6.4 ^{6.6}	6.8	6.80	6.45	6.65	05	15	20	-0.46
12	6.8 ^{7.0}	7.2	7.15	7.00	7.08	02	07	08	
13	7.5	7.4	7.8	7.30	7.52	07	28	22	
14	8.0	8.1	8.15	7.90	8.03	02	12	13	
15	8.4	8.4	8.25	8.25	8.40	00	15	15	
16	8.7	8.9	9.10	8.70	8.87	07	23	17	
17	9.0	8.9	9.80	9.05	9.27	32	53	22	
18	9.8	9.8	9.90	9.25	9.68	12	32	43	
19	10.0	10.0	9.90	9.95	05	05			
<div> <div>14 19 36</div> <div>3 3 3</div> <div>+0.05 +0.06 -0.12</div> <div>43 02 40</div> <div>3 3 2</div> <div>-0.14 +0.01 +0.20</div> </div>									
<div> <div>all -92 21 04</div> <div>6 6 6</div> <div>-0.15 +0.04 +0.08</div> </div>									
<div> <div>+80 30 50</div> <div>5 5 5</div> <div>+0.16 -0.06 -0.10</div> </div>									
<div> <div>02 62 63</div> <div>4 4 4</div> <div>+0.00 +0.16 -0.16</div> </div>									
<div> <div>-22 123 92</div> <div>5 4 4</div> <div>-0.04 +0.31 -0.23</div> </div>									
<div> <div>60 155 205</div> <div>14 13 14</div> <div>+0.04 +0.12 -0.15</div> </div>									

Thursday, May 8, 1913

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Series MD 2583 - 2594

Copied

Alt. + 51

Scale M.	MD 2584		53 K		Pris. comp.		Curr Magn.
	1 st	2 nd			2 nd	2 nd	
1	6.062	6.0 6.10 11	+2.77	8.87	9.4	9.3 9.35 01	-0.49 8.86
2	6.567	6.7 6.70 00	2.67	9.37	10.0	10.0 10.00 00	-0.57 <u>9.43</u>
3	6.567	6.8 6.75 10	2.67	9.42			
4	7.072	7.3 7.25 101	2.59	9.84			
5	7.8	7.9 7.85 101	2.51	10.36			
6	8.0	7.8 7.90 11	2.50	10.40			
7	9.0	9.0 9.00 00	2.37	11.37			
8	9.1	9.0 9.05 10	2.36	11.41			
9	9.4	9.2 9.30 11	2.33	11.63			
10	9.5	9.3 9.40 11	2.31	11.71			
11	9.6	9.6 9.60 00	2.28	11.88			

Thursday, May 8, 1913

Series MD 2583 - 2594

Copied

Alt. +.06

Scale M.	MD 2585		101 K		Pris. comp.			
	1 st	2 nd	Curve Magn.		2 nd	2 nd	Curve Magn.	
1	4.244	4.7	4.55	2.1	+3.16	7.71	8.6	8.5 8.55 0.1 -0.34 8.21
2	5.557	5.4	5.55	1.2	2.89	8.44	9.2	9.2 9.20 0.0 -0.47 8.73
3	5.658	5.5	5.65	2.1	2.86	8.51	9.2	9.3 9.25 0.1 -0.47 8.78
4	6.466	6.6	6.60	0.0	2.69	9.29		
5	7.072	7.0	7.10	1.1	2.61	9.71		
6	7.5	7.6	7.55	1.0	2.55	10.10		
7	8.3	7.8	8.05	3.2	2.49	10.54		
8	9.6	9.6	9.60	0.0	2.28	11.88		
9	10.0	10.0	10.00	0.0	2.22	<u>12.22</u>		

Thursday, May 8, 1913

Series MD 2583 - 2594

Chit

alt - 18

Scale M.	MD 2586					126 K		Bis comp.				
	1 st	2 nd				Curve Magn.		2 nd	2 nd			
1	4.042	4.0	4.10	1.1		+3.27	7.37	8.0	7.9	7.95	0.1	-0.23 7.72
2	6.062	6.0	6.10	1.1		2.77	8.87	9.3	9.4	9.35	1.0	-0.49 8.86
3	6.769	7.0	6.95	1.0		2.64	9.59	10.0	10.0	10.00	0.0	-0.57 <u>9.43</u>
4	7.078	7.8	7.80	0.0		2.51	10.31					
5	8.0	8.1	8.05	0.1		2.49	10.54					
6	8.8	8.6	8.70	1.1		2.40	11.10					
7	9.2	9.3	9.25	0.1		2.33	11.58					
8	9.3	9.4	9.35	1.0		2.32	11.67					
9	9.8	9.9	9.85	0.1		2.24	<u>12.09</u>					

Streaked

Thursday, May 8, 1913
 Series MD 2583 - 2594

Cohind

alt + 72

Scale M.	MD 2587		54 K		Pis. comp.					
	1 st	1 st	Course Magn.		2 nd	2 nd	Course Magn.			
1	3.6 3.8	3.7 ^{3.9} 3.85 0.1	+3.36	7.21	7.8	7.7	7.75 0.1	-0.20	7.55	
2	4.0 4.2	^{2nd} 4.4 4.30 1.1	3.22	7.52	8.3	8.2	8.25 1.0	-0.30	7.95	
3	6.0 6.2	6.1 6.15 0.1	2.76	8.91	10.0	10.0	10.00 0.0	-0.57	<u>9.43</u>	
4	6.1 6.3	6.5 6.40 1.1	2.72	9.12						
5	7.0 7.2	7.6 7.40 2.2	2.57	9.97						
6	^{2nd} 8.0	7.9 7.95 0.1	2.50	10.45						
7	8.1	8.0 8.05 1.0	2.49	10.54						
8	8.8	8.8 8.80 0.0	2.39	11.19						
9	9.0	9.1 9.05 0.1	2.36	11.41						
10	9.6	9.6 9.60 0.0	2.28	11.88						

Thursday, May 8, 1913
 Series MD 2583 - 2594

Scale M	MD 2588		Pole	Pis. comp.	
	1 st	1 st	sec. 58	1 st	2 nd
5	2.2 2.4	2.3	2.35 0.1	6.0 6.2	6.0 6.10 1.1
6	3.2 3.4	3.1	3.25 2.1	7.0 7.2	7.0 7.10 1.1
8	5.0 5.2	5.0	5.10 1.1	8.7	8.7 8.70 0.0
9	6.0 6.2	6.0	6.10 1.1	9.3	9.1 9.20 1.1
10	6.1 6.3	6.2	6.25 1.0	9.5	9.2 9.35 1.2
11	6.5 6.7	6.9	6.80 1.1	10.0	9.9 9.95 0.1
12	7.0 7.2	7.1	7.15 0.1		
13	7.8				
14	8.0 8.2	8.1	8.15 0.1		
15	8.4 8.6	8.5	8.55 0.1		
16	9.0 9.2	9.0	9.10 1.1		
17	9.6 9.8	9.8	9.80 2.0		
18	9.8 10.0	10.0	10.00 0.0		

Thursday, May 8, 1913

Series MD 2583 - 2594

MD 2589 D6 11^h-15 P. res. comp.

Does not cover region.

Thursday, May 8, 1913
Series MD 2583 - 2594 Copied

alt +11

Scale 17.	MD 2590		66		11 ^h + 15 ^o		Pris. comp.			
	1 st	1 st			Curv Magn.		1 st	2 nd	Curv Magn.	
1	2.9 ^{3.1}	2.8 ^{3.0}	3.05 10	+3.62	6.67	6.06 ^{6.2}	6.2	6.20 00	+0.12	6.32
2	3.0 ^{3.2}	3.0 ^{3.2}	3.20 00	3.57	6.77	6.36 ^{6.5}	6.6	6.25 10	+0.04	6.59
3	3.8 ^{4.0}	3.6 ^{3.8}	3.9 ^{4.1} 3.97 02 1	3.32	7.29	7.0 ^{7.2}	7.2	7.20 00	-0.09	7.11
4	3.9 ^{4.1}	4.0 ^{2nd}	4.05 10	3.29	7.34	7.2 ^{2nd}	7.6	7.40 22	-0.13	7.27
5	4.0 ^{4.2}	4.0	4.10 11	3.27	7.37	7.8	8.0	7.90 11	-0.22	7.68
6	4.6 ^{4.8}	4.4	4.60 22	3.14	7.74	8.0	8.1	8.05 01	-0.26	7.79
7	5.0 ^{5.2}	5.0	5.10 11	3.00	8.10	8.8	9.0	8.90 11	-0.41	8.49
8	5.0 ^{5.2}	5.0	5.10 11	3.00	8.10	9.0	8.8	8.90 11	-0.41	8.49
9	4.8 ^{5.0}	4.9	4.95 01	3.05	8.00	8.6	8.6	8.60 00	-0.36	8.24
10	5.1 ^{5.3}	5.2	5.25 10	2.97	8.22	9.2	9.0	9.10 11	-0.45	8.65
11	6.0 ^{6.2}	6.1	6.15 01	2.77	8.92	9.8	9.8	9.80 00	-0.55	9.25
12	5.8 ^{6.0}	6.1	6.05 01	2.79	8.84	9.7	9.6	9.65 10	-0.52	9.13
13	6.2 ^{6.4}	6.2	6.30 11	2.74	9.04	10.0	9.9	9.95 01	-0.56	9.39
14	6.8 ^{7.0}	7.0	7.00 00	2.63	9.63					
15	6.8 ^{7.0}	7.0	7.00 00	2.63	9.63					
16	7.9 ^{2nd}	7.8	7.85 10	2.52	10.36					
17	8.0	8.0	8.00 00	2.50	10.50					
18	8.2	8.1	8.10 01	2.48	10.63					
19	8.1	8.0	8.05 10	2.49	10.54					
20	8.3	8.2	8.25 10	2.46	10.71					
21	8.8	8.8	8.80 00	2.39	11.19					
22	9.0	9.0	9.00 00	2.36	11.36					
23	9.3	9.2	9.25 10	2.33	11.58					
24	9.8	9.7	9.75 01	2.26	12.01					

Thursday, May 8, 1913.

Series MD 2583 - 2594 Copied.

Alt. 19

Scale M.	MD 2591		127 K		Pis. comp.			
	1 st	2 nd	Curc	Magn.	2 nd	2 nd	Curc	Magn.
1	6.3 ⁶⁵	6.3 6.40 1.1	+2.72	9.12	10.0	9.9 9.95 0.1	-2.56	<u>7.39</u>
2	6.8 ⁷⁰	7.0 7.00 0.0	2.63	9.63				
3	8.0 ^{2nd}	7.8 7.90 1.1	2.50	10.40				
4	8.1	8.1 8.10 0.0	2.49	10.59				
5	8.8	8.7 8.75 0.1	2.40	11.15				
6	9.2	9.1 9.15 0.1	2.34	11.49				
7	10.0	10.0 10.00 0.0	2.22	<u>12.22</u>				

Thursday, May 8, 1913

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Series MD 2583 - 2594 *Copied*

alt. +16

Scale M.	MD 2592				79 K		Pris. comp.			
	1 st	2 nd	Lure		Magn.		2 nd	2 nd	Lure Magn.	
1	5.0 ^{5.2}	5.0	5.10	1 ¹ / ₈	+3.00	8.10	9.1	9.2	9.15	1.0 -0.46 8.69
2	5.9 ^{6.1}	5.8	5.95	1 ¹ / ₂	2.80	8.75				
3	6.5-6.7	7.0	6.85	1 ¹ / ₂	2.65	9.50				
4	6.6 ^{6.8}	7.1	6.95	2 ¹ / ₂	2.64	9.59				
5	7.8 ^{2nd}	8.0	7.90	1 ¹ / ₂	2.50	10.40				
6	8.0	8.1	8.05	0 ¹ / ₂	2.49	10.54				
7	8.3	8.3	8.30	0 0	2.46	10.76				
8	9.4	9.4	9.40	0 0	2.31	11.71				
9	9.9	9.9	9.90	0 0	2.22	<u>12.12</u>				

Thursday, May 8, 1913

Series M.D. 2583 - 2594

Copied.

alt. for

	MD 2593		103 K		Pris. comp.						
Scale M.	1 st	2 nd	Curve Magn.		2 nd	2 nd	Curve Magn.				
1	5.0 ^{5.2}	5.0	5.10	1.1	+3.00	8.10	8.8	9.0	8.90	1.1	-0.41 8.49
2	6.0 ^{6.2}	5.8	6.00	2.2	2.80	8.80	9.4	9.4	9.40	0.0	-0.49 8.91
3	6.8 ^{7.0}	7.0	7.00	0.0	2.63	9.63	10.0	10.0	10.00	0.0	-0.57 <u>9.43</u>
4	7.8 ^{2nd}	7.7	7.75	0.1	2.52	10.27					
5	8.0	7.8	7.80	1.1	2.50	10.40					
6	9.0	9.0	9.00	0.0	2.37	11.37					
7	9.6	9.7	9.65	0.1	2.27	11.92					
8	10.0	10.0	10.00	0.0	2.22	<u>12.22</u>					

Thursday, May 8, 1913
Series MD 2583 - 2594

Scale M.	MD 2594		Pole sup. 58	Pis. comp.	
	1 st	1 st		1 st	2 nd
5	2.2 ^{2.4}	2.3 ^{2.5}	2.45 01	6.0 ^{6.2}	6.1 6.15 01
6	3.0 ^{3.2}	3.2 ^{3.4} 2 nd	3.30 11	6.9 ^{7.1} 2 nd	7.0 7.05 10
8	5.0 ^{5.2}	5.0	5.10 11	8.2	8.1 8.15 01
9	5.8 ^{6.0}	5.8	5.90 11	9.2	9.0 9.10 11
10	6.0 ^{6.2}	6.0	6.10 11	9.8	10.0 9.90 11
11	6.2 ^{6.4}	6.5	6.45 01		
12	6.8 ^{7.0}	7.0	7.00 00		
13	7.1 ^{7.3} 2 nd	7.3	7.30 00		
14	8.0	7.8	7.90 11		
15	8.3	8.2	8.25 10		
16	8.7	8.7	8.70 00		
17	9.0	9.1	9.05 01		
18	9.2	9.3	9.25 01		
19	9.8	10.0	9.90 11		
20					

Wednesday 28
 Saturday, May 10, 1913

Series MD Plates ~~2739-2750~~
~~2843-2848~~

Scale M.	MD ²⁷³⁹ 2843	Pole	P.B.	Sc
Reduction Diff.	1 st	1 st	2 nd	2 nd
2.89	5 3.2 3.4	3.2 3.4 3.40 00	3.40 4.00 3.60 20 20 40 279	7.5 7.3 7.40 11 7.20 7.90 7.50 10 30 40 -1.11
2.73	6 4.0 4.2	4.0 4.10 11	4.10 4.95 4.88 28 28 57 2.60	7.9 7.9 7.90 00 8.00 8.50 8.13 23 13 37 -1.15
2.16	8 5.8 6.0	5.9 5.95 01	5.95 6.30 6.07 12 12 23 2.63	9.6 9.4 9.50 11 9.35 10.00 9.62 12 37 39 -1.52
1.96	9 6.6 6.8	6.8 6.80 00	6.75 7.05 6.87 07 12 18 1.83	10.0 10.0 10.00 00 10.00 . 10.00 00 00 -1.30
1.97	10 6.8 7.0	6.9 6.95 01	6.95 7.25 7.05 10 10 20 1.84	10.0 10.0 10.00 00 . . 10.00 a. -1.11
1.95	11 7.4	7.5 7.45 01	7.40 7.95 7.60 15 20 35 1.82	45 70 115 4 4 3 -11 -18 +36
1.86	12 7.9	7.9 7.90 00	7.85 8.25 8.00 10 15 25 1.73	
1.78	13 8.5	8.4 8.45 10	8.35 8.75 8.52 07 17 23 1.65	
1.75	14 8.8	8.7 8.75 01	8.65 9.10 8.90 15 05 20 1.62	
1.71	15 9.0	9.0 9.00 00	8.95 9.35 9.37 37 12 48 1.57	
1.83	16 9.2	9.3 9.25 01	9.20 9.55 9.57 32 07 38 1.69	
1.83	17 9.8	9.8 9.80 00	9.80 . 9.80 00 00 1.69	
18 -			67 72 138 4 4 4 -17 -18 +34	
			42 62 103 4 4 4 -10 -16 +26	
			84 24 106 4 4 8 -21 -06 +35	
			103 108 347 12 12 11 -16 -123 -32	

Wednesday, May 28, 1913
 Series M D Plates 2739 - 2750 Copied
 Alt. + 22

Scale M.	M D 2740		32 Ks		P. C.			
Diff	1 st	2 nd	Curr	Magn.	2 nd	2 nd	Curr Magn.	
230.90 -1.11 -1.01	1	3.840	4.0	4.00 00	+2.70	6.70	7.8	7.7 7.75 01 -1.17 6.58
1337 -1.15 -1.02	2	4.042	4.1	4.15 01	2.65	6.80	8.0	8.0 8.00 00 -1.19 6.81
2738 -1.52 -1.39	3	5.57	5.5	5.60 11	2.21	7.81	9.0	9.0 9.00 00 -1.26 7.74
00. -1.30 -1.17	4	5.658	5.6	5.70 11	2.18	7.88	9.0	9.1 9.05 01 -1.26 7.79
0. -1.11 -0.98	5	7.5	7.6	7.55 10	1.76	9.31		
0.115	6	7.9	7.8	7.85 10	1.71	9.56		
4.3	7	8.3	8.2	8.25 10	1.69	9.94		
8.36	8	8.8	8.7	8.75 01	1.65	10.40		
	9	8.8	8.6	8.70 11	1.65	10.35		
	10	9.3	9.2	9.25 10	1.63	10.88		
	11	9.8	9.7	9.75 01	1.61	<u>11.36</u>		
	12							

Wednesday, May 28, 1913
 Series MD 2739 - 2750
 Alt. +72

Copied.

Scale M.

	1 st	2 nd		MD 2741		57 K	
							Curve Magn.
1	6.0 6.2	6.0	6.10	1.1	+2.07		8.17
2	6.7 6.9	6.8	6.85	1.0	1.88		8.73
3	7.0 7.2	7.4	7.35	1.1	1.79		9.14
4	8.1	8.0	8.05	1.0	1.70		9.75
5	8.0	8.0	8.00	0.0	1.70		9.70
6	9.0	9.0	9.00	0.0	1.64		10.64
7	9.2	9.2	9.20	0.0	1.63		10.83
8	9.9	9.8	9.85	1.0	1.60		<u>11.45</u>

P.C.

2 nd	2 nd	Curve Magn.
9.8	9.9	9.85 0.1 - 1.30 8.55

Wednesday, May 28, 1913

Series MD 2739 - 2750 Copied.

Alt + 50

Scale M

MD 2742

14 K

P.L.

1st2nd

Curve Magn.

no comp.

1	7.072	7.3	7.25	0.1	+1.80	9.05
2	7.6	7.6	7.60	0.0	1.75	9.35
3	7.7	7.8	7.75	1.0	1.73	9.48
4	8.0	8.0	8.00	0.0	1.70	9.70
5	8.8	8.7	8.75	0.1	1.65	10.40
6	9.3	9.4	9.35	1.0	1.62	10.97
7	10.0	10.0	10.00	0.0	1.60	<u>11.60</u>

74

Wednesday, May 28, 1913

Series MD 2739 - 2750 : *Copied.*

Alt. +06

Scale M.	MD 2743		105 K		P. G.	
	1 st	2 nd	Curr Magn.		2 nd	2 nd Curr Magn.
1	4.547	4.5	4.60	1.1	+2.50	7.10
2	6.264	6.2	6.30	1.1	2.02	8.32
3	6.870	7.0	7.00	0.6	1.85	8.85
4	6.971	7.0	7.05	1.0	1.84	8.89
5	7.072	7.2	7.20	0.0	1.81	9.01
6	8.2	8.4	8.30	2.0 1.1	1.69	9.99
7	9.2	9.1	9.15	0.1	1.64	10.79
8	9.2	9.3	9.25	0.1	1.63	10.88
9	9.7	9.6	9.65	1.0	1.61	12.26
10 m.s.						

Wednesday, May 28, 1913
 Series MD 2739 - 2750

Scale 17.	MD 2744		Pole	P.C.	
	1 st	1 st	sup. 70	2 nd	2 nd
5	3.2 3.4	3.2 3.4 3.40 00		7.2	7.2 7.20 00
6	4.0 4.2	4.0 4.10 11		8.0	8.0 8.00 00
8	5.9 6.1	5.8 5.95 12		9.4	9.3 9.35 01
9	6.5 6.7	6.8 6.75 10		10.0	10.0 10.00 00
10	6.7 6.9	7.0 6.95 10			
11	7.1 7.3	7.5 7.40 11			
12	7.8	7.9 7.85 01			
13	8.2	8.5 8.35 21			
14	8.8	8.9 8.85 01			
15	9.2	9.3 9.25 01			
16	9.0	9.5 9.50 00			
17	9.8	9.8 9.80 00			

Plate badly scratched.

Wednesday, May 28, 1913

Series MD 2739 - 2750

Copied.

Alt. -04

Scale M.

MD 2745

17 K

P.C.

Dec.
Rev. Reg.
see MC 41049

		1 st	2 nd		Curr	Inagn.		2 nd	2 nd		Curr	Inagn.
1	1	5.860	5.9	5.95 0 1	+2.11	8.06		10.0	10.0	10.00 0 0 -1.51	<u>8.69</u>	
2	2	7.7	7.5	7.60 1 1	1.75	9.35						
3	3	8.0	7.8	7.90 1 1	1.71	9.61						
4	4	8.1	8.0	8.05 1 0	1.70	9.75						
5	5	8.3	8.3	8.30 0 0	1.69	9.99						
6	6	8.8	8.8	8.80 0 0	1.65	10.45						
7	7	9.5	9.5	9.50 0 0	1.62	11.12						
8	8	9.9	9.8	9.85 1 0	1.60	<u>11.45</u>						
9	9	10.0	10.0	10.00 0 0	1.60	<u>11.60</u>						

Wednesday, May 28, 1913
 Series MD 2739 - 2750 Coluid.
 Alt. +.72

Scale 14. MD 2746

33 K

P. 6

	1 st	2 nd		Curr Magn.		2 nd	2 nd		Curr Magn.
1	4.8 ^{5.0}	5.0	5.00 0 0	+2.38	7.38	8.9	9.0	8.95 1.0	-1.26 7.69
2	4.8 7.0	7.0	7.00 0 0	1.85	8.85				
3	7.0 ^{7.2}	7.5	7.55 2 1	1.79	9.14				
4	8.8	8.8	8.80 0 0	1.65	10.45				
5	9.0	9.0	9.00 0 0	1.64	10.64				
6	9.3	9.2	9.25 1 0	1.63	10.88				
7	9.8	9.8	9.80 0 0	1.61	<u>11.41</u>				

78

Wednesday, May 28, 1913

Series MD 2739 - 2750

Copied.

Alt. +.72

Scale M.

MD 2747

58 K

P.B.

1st2nd

Core Magn.

no comp.

1	6.971	7.0	7.05	1.0	+1.84	8.89
2	7.9	7.8	7.85	1.0	1.71	9.56
3	8.3	8.4	8.35	1.0	1.68	10.03
4	9.0	9.0	9.00	0.0	1.64	10.64
5	10.0	10.0	10.00	0.0	1.60	<u>11.60</u>
6	..					

Wednesday, May 28, 1913

79

Series MD 2739 - 2750 Copied

Alt +06

Scale M

MD 2748

106 K

P.C.

	1 st	2 nd	Curr Magn.			
1	7.072	7.2	7.20	00	+1.81	9.01
2	8.0	8.0	8.00	00	1.70	9.70
3	8.0	8.1	8.05	01	1.70	9.75
4	8.7	8.9	8.82	11	1.65	10.45
5	8.9	9.0	8.95	10	1.64	10.59
6	10.0	10.0	10.00	00	1.60	<u>11.60</u>

no comp.

This plate was found cracked when I
marked sequence for measuring.
May 27, 1913.

Wednesday, May 28, 1913

Series MD 2739-2750

Copied.

alt. +93

Scale M.

MD 2749

34 K

P.C.

	1 st		2 nd		Curr Magn.		2 nd	2 nd	Curr Magn.	
1	5.2	5.4	5.2	5.30	1.1	+2.30	7.60	9.0	8.9	8.95 0.1 -1.26 7.69
2	5.8	6.0	5.8	5.90	1.1	2.13	8.03	9.5	9.4	9.45 0.1 -1.29 8.16
3	6.4	6.6	6.7	6.65	0.1	1.94	8.59	10.0	10.0	10.00 0.0 -1.31 <u>8.69</u>
4	7.0	7.2	7.0	7.10	1.1	1.82	8.92			
5	8.3		8.5	8.40	1.1	1.68	10.08			
6	8.8		8.9	8.85	0.1	1.64	10.49			
7	9.3		9.4	9.35	1.0	1.63	10.98			
8										

Wednesday, May 28, 1913
 Series MD 2739 - 2750

Scale M.	MD 2750		Pole	P. b.	
	1 st	2 nd	sec p. 70	2 nd	2 nd
5	3.8 4.0	4.0 4.00 00		8.0	7.8 7.90 11
6	4.8 5.0	4.9 4.95 01		8.5	8.5 8.50 00
8	6.2 6.4	6.2 6.30 11		10.0	10.0 10.00 00
9	6.9 7.1	7.0 7.05 10			
10	7.0 7.2	7.3 7.25 01			
11	8.0	7.9 7.95 01			
12	8.2	8.3 8.25 01			
13	8.8	8.7 8.75 01			
14	9.0	9.2 9.10 11			
15	9.9	9.8 9.85 10			
16	10.0	9.9 9.95 01			

Monday, June 2, 1913

Series MD 2826 - 2831

Scale M.	MD 2826		Pole		P. b.	
	1 st	2 nd	2831 1.86 mean	Diff	1 st	2 nd
5	3.3 3.5	3.1 3.3 3.40 1.1	3.50 3.45 05 05	+2.94	7.0 7.2	7.1 7.15 01 7.05
6	4.0 4.2	4.1 4.15 0 1	4.20 4.18 03 02	2.80	7.8	7.9 7.85 01 7.85
8	5.8 6.0	5.9 5.95 0 1	5.95 5.95 00 00	2.15	9.2	9.2 9.20 00 9.25
9	6.3 6.5	6.5 6.50 0 0	6.45 6.48 02 03	2.22	10.0	10.0 10.00 00 9.95
10	6.6 6.8	6.9 6.85 0 1	6.85 6.85 00 00	2.04		10.00
11	7.4	7.5 7.45 0 1	7.45 7.45 00 00	1.97		mean Diff.
12	7.8	7.8 7.80 0 0	7.80 7.80 00 00	1.93	5	7.10 05 05 -0.71
13	8.3	8.2 8.25 1 0	8.15 8.20 05 05	1.97	6	7.85 00 00 -0.87
14	8.9	8.9 8.90 0 0	8.70 8.80 10 10	1.72	8	9.22 02 03 -1.12
15	9.1	9.0 9.05 1 0	9.00 9.02 03 02	1.92	9	9.98 02 03 -1.28
16	9.7	9.7 9.70 0 0	9.25 9.48 22 23	1.78	10	10.00 - - -1.11
17	9.9	10.0 9.95 1 0	9.65 9.80 15 15	1.69		05 05 4 4 +0.1 -0.1
			06 04 4 4 -0.2 -0.1			
			05 05 4 4 +0.1 -0.1			
			50 50 4 4 +1.2 -1.2			
			49 51 12 12 +0.4 -0.4			

copied

Monday, June 2, 1913
 Series MD 2826 - 2831 Copied on sheets 83
 Alt. +.31

Scale M.	MD 2827		Rhynis 6 53		P.B.	
	1 st	2 nd	Curve Magn.		Curve Magn.	
var.	2 nd	2 nd			P.C.	1 st 2 nd Mean
	8.0	8.1 8.05 0.1	+1.91	9.96		
a	3.8 4.0	4.0 4.00 0.0	2.80	6.80	-0.75 6.15	7.0 7.2 7.20 0.0
b	4.7 4.9	5.0 4.95 1.0	2.52	7.47	-0.96 7.24	8.2 8.2 8.20 0.0
dbl? c	5.2 5.4	5.8 5.60 2.2	2.34	7.94	-1.14 8.41	9.5 9.6 9.55 1.0
d	5.5 5.7	5.5 5.60 1.1	2.34	7.94	-1.12 8.24	9.4 9.3 9.35 0.1
e	6.2 6.4	6.3 6.35 0.1	2.17	8.52	-1.19 8.71	9.9 9.9 9.90 0.0
f	6.7 6.9	7.0 6.95 1.0	2.07	9.02		
g	7.9	7.8 7.85 1.0	1.93	9.78		
h	8.4	8.2 8.30 1.1	1.89	10.19		
k	9.0	9.0 9.00 0.0	1.81	10.81		
l	9.2	9.2 9.20 0.0	1.79	10.99		
m	9.3	9.2 9.25 1.0	1.78	11.03		
n	9.7	9.7 9.70 0.0	1.73	11.43		
o	9.8	9.9 9.85 0.1	1.72	11.57		
p						

Scale M.

Monday, June 2, 1913

Series MD 28 26 - 28 31

Alt. +14

MD 2828 R Ursae Majoris 10 38 P.B.

1st 2nd

Course Magn.

+69.3

var	n.s.	n.s.					1st	2nd	Course
a	3.8 4.0	4.0 4.00 0 0	+2.80	6.80	9.2	7.0 7.2	7.3	7.25 01	-0.77 6.48
b	5.8 6.0	5.8 5.90 1 1	2.27	8.17	6.0	9.3	9.3	9.30 00	-1.11 8.19
*c	6.0 6.2	6.0 6.10 1 1	2.22	8.32	4.5	9.7	9.7	9.70 00	-1.16 7.54
† d	5.7 5.9	5.8 5.85 1 0	2.28	8.13	1.6	9.3	9.2	9.25 10	-1.10 8.15
* e	5.8 6.0	6.0 6.00 0 0	2.25	8.25	3.8	9.4	9.3	9.35 01	-1.11 8.24
* f	6.0 6.2	6.1 6.15 0 1	2.21	8.36	4.9	9.6	9.5	9.55 01	-1.14 8.41
g	5.9 6.1	6.0 6.05 1 0	2.24	8.29	4.2	9.6	9.5	9.55 01	-1.14 8.41
h	5.6 5.8	5.5 5.65 2 1	2.32	7.97	8.10	9.6	9.4	9.50 11	-1.14 8.36
K	7.8	7.8 7.80 0 0	1.95	9.75	8.8
l	6.8 7.0	6.9 6.95 0 1	2.08	9.03	1.6	10.0	10.0	10.00 00	-1.19 8.81
m	7.9	8.0 7.95 1 0	1.92	9.97	10.10				
n	8.2	8.3 8.25 0 1	1.90	10.15	2.8				
o	8.3	8.2 8.25 1 0	1.90	10.15	3.8				
p	9.3	9.3 9.30 0 0	1.78	11.08	3.2				
q	9.8	9.8 9.80 0 0	1.72	11.52	4.6				

*

†

Wrong star marked J.G.M. Nov. 10, 1914.

Reject. Wrong star marked S.F.M. Jan. 11, 1915

Monday, June 2, 1913

Series MD 2826 - 2831

alt. 00

Scale M. MD 2830 R Camilops. 14 26 P.B.
1st 2nd +84.3

var.	n.s.	n.s.	Cum	Magn.	2 nd	2 nd	Cum Magn.
a	5.86.0 2 nd	5.7	5.85 2.1	+2.28	8.13	9.3	9.25 10-1.10 8.15
b	7.7	7.5	7.60 1.1	1.97	9.57	9.2	
c	7.7	7.6	7.65 1.0	1.96	9.61		
d	8.3	8.2	8.25 1.0	1.90	10.15		
e	8.9	8.8	8.85 1.0	1.83	10.68		
f	9.0	8.9	8.95 0.1	1.81	10.76		
g	9.8	9.9	9.85 0.1	1.72	11.57		
h	10.0	10.0	10.00 0.0	1.71	11.71		

Monday, June 2, 1913
 Series MD 2826 - 2831

Scale M.	MD 2831		Pole	P. C.	
	1 st	1 st	sec. 82	1 st	2 nd
5	3.2 3.4	3.4 3.6	3.50 1.1	7.0 7.2	6.9 7.05 2.1
6	4.1 4.3	4.1 4.2	4.20 1.1	7.8	7.9 7.85 0.1
8	5.9 6.1	5.8 5.95	6.12	9.3	9.2 9.25 1.0
9	6.4 6.6	6.3 6.45	6.21	10.0	9.9 9.95 0.1
10	6.6 6.8	6.9 6.85	6.01	10.0	10.0 10.00 0.0
11	7.5	7.4 7.45	1.0		
12	7.8	7.8 7.80	0.0		
13	8.1	8.2 8.15	1.0		
14	8.7	8.7 8.70	0.0		
15	9.0	9.0 9.00	0.0		
16	9.2	9.3 9.25	0.1		
17	9.6	9.7 9.65	0.1		

Saturday, June 21, 1913
Series MD 2908 - 2919

Scale M	MD 2908		Pole		R.C.	
	1 st	1 st	Mean	Diff. 1 st	2 nd	
5	2.830	2.7 ²⁹ 2.95 0 1	2.45 2.55 2.65 30 20 10	+3.74 6.6 6.8	6.6 6.70 1 1	6.35 6.65
6	3.78.9	3.7 ³⁹ 3.90 0 0	3.40 3.45 3.58 32 18 13	3.40 7.7	7.8 7.75 1 0	7.20 7.40
8	5.25.4	5.3 ^{2nd} 5.35 0 1	5.10 5.10 5.18 17 08 08	2.92 9.2	9.1 9.15 0 1	8.95 8.85
9	5.96.1	6.0 6.05 1 0	5.85 5.60 5.53 22 02 23	2.87 9.9	9.8 9.85 1 0	9.75 9.55
10	6.16.3	6.2 6.25 1 0	6.05 6.07 18 02 17 282	6.70 6.80 25 25 20 249	9.95 9.75	
11	6.97.1	7.0 7.05 1 0	6.75 6.45 6.75 30 00 30	2.67		
12	7.6	7.4 7.50 1 1	7.10 6.90 7.17 33 07 27	2.56	Mean	Diff.
13	8.0	8.0 8.00 0 0	7.70 7.55 7.75 25 05 20	2.42	5 6.60 10 25 15	21 -0.18
14	8.6	8.5 8.55 0 1	8.05 8.00 8.20 35 25 20	2.32	6 7.65 20 25 05	-0.47
15	9.0	9.0 9.00 0 0	8.65 8.45 8.70 30 05 25	2.24	8 8.98 17 03 13	-0.88
16	9.2	9.2 9.20 0 0	8.90 8.90 9.00 20 10 10	2.26	9 9.72 13 03 17	-1.02
17	9.6	9.6 9.60 0 0	9.30 9.10 9.33 27 03 23	2.16	10 9.85 10 10	-0.96
18	M.S.		9.80 9.70 9.75 05 05 217			

$$\begin{array}{r} 57 \\ 3 \\ \hline +.19 \end{array} \quad \begin{array}{r} 53 \\ 3 \\ \hline -.18 \end{array} \quad \begin{array}{r} 03 \\ 3 \\ \hline -.01 \end{array}$$

$$\begin{array}{r} (5-9) \quad 101 \\ 4 \\ \hline +.25 \end{array} \quad \begin{array}{r} 44 \\ 4 \\ \hline -.11 \end{array} \quad \begin{array}{r} 54 \\ 4 \\ \hline -.14 \end{array}$$

$$\begin{array}{r} (10-14) \quad 141 \\ 5 \\ \hline +.28 \end{array} \quad \begin{array}{r} 29 \\ 5 \\ \hline -.58 \\ 06 \end{array} \quad \begin{array}{r} 114 \\ 5 \\ \hline -.23 \end{array}$$

$$\begin{array}{r} (15-18) \quad 77 \\ 3 \\ \hline +.26 \end{array} \quad \begin{array}{r} 13 \\ 4 \\ \hline -.03 \end{array} \quad \begin{array}{r} 63 \\ 4 \\ \hline -.16 \end{array}$$

$$\begin{array}{r} \text{all} \quad 317 \\ 12 \\ \hline +.27 \end{array} \quad \begin{array}{r} 86 \\ 13 \\ \hline -.07 \end{array} \quad \begin{array}{r} 231 \\ 13 \\ \hline -.18 \end{array}$$

$$\begin{array}{r} \text{all} \quad 70 \\ 7 \\ \hline +.15 \end{array} \quad \begin{array}{r} 40 \\ 5 \\ \hline -.08 \end{array} \quad \begin{array}{r} 30 \\ 5 \\ \hline -.06 \end{array}$$

Saturday, June 21, 1913
Series MD 2908 - 2919

lopinid:

Scale M.

MD 2909

$13^h - 15^h$
alt. Corr. $2^h - 18$

D7

P.C.

	1 st	2 nd	Curve	Mag.	Mag. P.C.	2 nd	2 nd	
1	4.04.2	4.0 4.10 1.1	+3.25	7.35	7.39	8.0	7.9 7.95 0.1	-0.56
2	4.04.2	4.1 4.15 0.1	3.24	7.39	7.41	8.0	8.0 8.00 0.0	-0.59
3	4.24.4	4.3 4.35 0.1	3.18	7.53	7.82	8.8	8.5 8.55 0.1	-0.73
4	5.15.3	5.1 5.20 1.1	2.91	8.17	8.18	9.0	9.1 9.05 0.1	-0.87
5	4.64.5	4.5 4.65 2.1	3.10	7.75	7.93	8.8	8.6 8.70 1.1	-0.77
6	4.34.5	4.2 4.35 1.2	3.18	7.53	7.63	8.3	8.3 8.30 0.0	-0.67
7	5.05.2	5.0 5.10 1.1	3.00	8.10	8.18	9.0	9.1 9.05 0.1	-0.87
8	5.05.2	5.2 5.20 0.0	2.91	8.17	8.40	9.3	9.3 9.30 0.0	-0.90
9	5.86.0	5.8 5.90 1.1	2.79	8.69	8.80	9.8	9.8 9.80 0.0	-1.00
10	5.86.0	6.0 6.00 0.0	2.77	8.77	8.80	9.8	9.8 9.80 0.0	-1.00
11	6.06.2	6.0 6.10 1.1	2.75	8.85	8.97	10.0	10.0 10.00 0.0	-1.03
12	6.87.0	7.0 7.00 0.0	2.58	9.58				
13	7.17.3	7.2 7.25 1.0	2.52	9.77				
14	7.07.2	7.2 7.20 0.0	2.53	9.73				
15	7.6	7.8 7.70 1.1	2.44	10.14				
16	7.7	7.7 7.70 0.0	2.44	10.14				
17	7.8	8.0 7.90 1.1	2.41	10.31				
18	8.7	8.6 8.65 1.0	2.30	10.98				
19	8.8	8.8 8.80 0.0	2.27	11.07				
20	9.2	9.2 9.20 0.0	2.22	11.42				
21	9.8	9.8 9.80 0.0	2.16	11.96				
22	10.0	9.9 9.95 0.1	2.14	12.09				

Strong unit.

Curve + Mag. Ch. F.C.

Saturday, June 21, 1913
 Series MD 2908 - 2919

Scale M MD 2910

129K
 alt. Cor. ± 15

copied P.C.

	1 st	2 nd		curr	magn.		2 nd	2 nd	curr
1	4.14.3	4.3	4.30 0.0	+3.20	7.50		8.3	8.2	8.25 10 - 0.65
2	6.76.9	6.8	6.85 1.0	2.61	9.46				magn. 7.60
3	6.87.0	6.9	6.95 0.1	2.59	9.54				
4	8.0	7.9	7.95 0.1	2.41	10.36				
5	9.0	8.9	8.95 0.1	2.26	11.21				
6	9.3	9.3	9.30 0.0	2.21	11.51				
7	9.7	9.8	9.75 1.0	2.16	<u>11.91</u>				

Curve & Magn. Ch. P.C.

Saturday, June 21, 1913
 Series MD 2908 - 2919

Scale M

	MD 2911				33 K	
	1 st	2 nd			curve	alt. corr. +.23
1	4.04 ²	4.1	4.15	0.1	3.24	7.39
2	6.06 ²	6.1	6.15	0.1	2.74	8.89
3	6.87 ⁰	6.8	6.90	1.2	2.59	9.49
4	7.9 ^{2nd}	7.9	7.90	0.0	2.41	10.31
5	8.3	8.3	8.30	0.0	2.34	10.64
6	8.9	8.9	8.90	0.0	2.26	11.16
7	m.s.					

Lepid

P. C.

Mag	2 nd		2 nd		
	P.C.				
7.51	8.2	8.1	8.15	0.1	-0.64 ^v
<u>8.93</u>	10.0	9.9	9.95	0.1	-1.02

Curve + Magn. Ch. P.C.

Saturday, June 21, 1913

91

Series MD 2908 - 2919

Scale M	MD 2912		58 K		log p		P. C.	
	1 st	2 nd	curr		2 nd	3 rd		
1	5.860	5.9	5.95	0.1	7.18	8.13	9.8	9.9 9.85 0.1 -1.00 8.80
2	6.668	6.8	6.80	0.0	7.61	9.41		
3	7.072	7.2	7.20	0.0	7.54	9.74		
4	8.1	7.9	8.00	1.1	7.40	10.40		
5	9.0	9.0	9.00	0.0	7.35	11.25		
6	9.3	9.4	9.35	1.0	7.21	11.56		
7	M.S.							

Curve + Magn. Ch. P. C.

Saturday, June 21, 1913

Series MD 2908 - 2919

Scale M	MD 2913		Pole	P.C.	
	1 st	1 st	Sec p. 87	1 st	2 nd
5	2.8 ² 2.4	2.3 ^{2.5} 2.45 0.1		6.3 ^{6.5} 6.2 6.35 1.2	
6	3.6 ^{3.4} 3.4	3.2 ^{3.4} 3.40 0.0		7.2 ^{2nd} 7.2 7.20 0.0	
8	5.0 ^{5.2} 5.2	5.0 ^{2nd} 5.10 1.0		9.0 8.9 8.95 0.1	
9	5.7 ^{5.9} 5.9	5.8 5.85 1.0		9.7 9.8 9.75 1.0	
10	5.9 ^{6.1} 6.1	6.0 6.05 1.0		10.0 9.9 9.95 0.1	
11	6.6 ^{6.8} 6.8	6.7 6.75 0.1			
12	6.9 ^{7.1} 7.1	7.1 7.10 0.0			
13	7.7 ^{2nd} 7.7	7.7 7.70 0.0			
14	8.1 8.1	8.0 8.05 1.0			
15	8.7 8.7	8.6 8.65 1.0			
16	8.9 8.9	8.9 8.90 0.0			
17	9.3 9.3	9.3 9.30 0.0			
18	9.8 9.8	9.8 9.80 0.0			

Saturday, June 21, 1913

Series MD 2908 - 2919

Scale 14

MD 2914

106 1.5 looped

P.C.

1st2nd2nd2nd

1	5.759	5.7	5.80	1.1	2.80	8.60
2	6.668	6.9	6.85	0.1	2.60	9.45
3	6.769	6.8	6.85	1.0	2.60	9.45
4	7.5 ^{2nd}	7.8	7.65	1.2	2.45	10.10
5	7.6	7.7	7.65	0.1	2.45	10.10
6	8.8	8.8	8.80	0.0	2.21	11.01
7	9.2	9.2	9.20	0.0	2.22	11.42
8	9.7	9.7	9.70	0.0	2.17	<u>11.87</u>
9	m.s.					

9.6 9.5-9.55-0.1-0.96
 mag.
 8.59

Source + Magn. Ch. F.C.

Saturday, June 21, 1913

Series MD 2908 - 2919

Scale M

MD 2915

15^h - 15^mD₈

Copied

P.L.

	1 st	1 st				2 nd	2 nd
1	3.73.9	3.6 ^{3.8} 3.85 1.0	+ 3.33	7.18		7.9	7.8 7.85 1.0 -0.54
2	3.84.0	3.9 ^{4.1} 4.05 0.1	3.76	7.31		8.2	8.0 8.15 1.1 -0.62
3	3.84.0	4.1 ^{2nd} 4.05 0.1	3.76	7.31		8.4	8.3 8.35 0.1 -0.66
4	3.84.0	4.0 4.00 0.0	3.78	7.28		8.3	8.2 8.25 0.1 -0.66
5	4.14.3	4.2 4.25 1.0	3.71	7.46		8.8 ⁶	8.5 8.55 0.1 -0.73
6	4.04.2	4.3 4.25 0.1	3.71	7.46		8.5	8.6 8.55 1.0 -0.73
7	4.85.0	4.8 4.90 1.1	3.04	7.94		8.8	8.8 8.80 0.0 -0.79
8	4.85.0	4.7 4.85 2.1	3.04	7.89		8.9	8.8 8.85 1.0 -0.80
9	4.95.1	5.0 5.05 1.0	3.00	8.05		9.5	9.4 9.45 1.0 -0.92
10	5.75.9	5.8 5.85 1.0	2.80	8.65		9.8	9.7 9.75 0.1 -0.98
11	6.06.2	6.1 6.15 0.1	2.74	8.89			
12	6.16.3	6.0 6.15 1.2	2.74	8.89			
13	6.56.7	6.6 6.65 1.0	2.64	9.29			
14	7.8	7.7 7.75 0.1	2.44	10.19			
15	8.0	7.8 7.90 1.1	2.41	10.31			
16	8.1	8.0 8.05 1.0	2.39	10.44			
17	8.2	8.4 8.35 ^{0.1} 2.1	2.34	10.64			
18	9.2	9.1 9.15 0.1	2.24	11.39			
19	9.2	9.2 9.20 0.0	2.22	11.42			
20	9.5	9.4 9.45 1.0	2.19	11.64			
21	9.7	9.7 9.70 0.0	2.16	<u>11.86</u>			
22	10.0	10.0 10.00 0.0	2.14	<u>12.14</u>			
23	10.0	10.0 10.00 0.0	2.14	<u>12.14</u>			

Curve + Magn. Ch. F.L.

Saturday, June 21, 1913
Series MD 2908 - 2919

MD 2916 $15^h + 15^m$ 68 ^{loped} P.C.
1st 1st alt. con. $+1.7$ 2nd

7.31	1	3.13.3	3.1 ³³	3.30 0 0	3.48	6.18	7.5	7.4	7.45 10	-0.44	1.01
7.48	2	3.23.4	3.2 ³⁴	3.40 0 0	3.45	6.85	7.4	7.6	7.50 11	-0.45	1.05
7.68	3	4.3 4.5	4.3 ^{2nd}	4.40 1 1	3.17	7.57	8.5	8.4	8.45 10	-0.70	1.15
7.59	4	3.8 4.0	4.0	4.00 0 0	3.28	7.28	7.9	8.0	7.95 10	-0.56	1.39
7.82	5	4.0 4.2	4.2	4.20 0 0	3.20	7.42	8.2	8.1	8.15 0 1	-0.63	1.52
7.82	6	4.1 4.3	4.3	4.30 0 0	3.20	7.50	8.5	8.4	8.45 10	-0.70	1.75
8.01	7	5.2 5.4	5.5	5.45 0 1	2.90	8.35	9.7	9.7	9.70 0 0	-0.98	8.12
8.05	8	5.1 5.3	5.6	5.45 1 2	2.90	8.35	9.6	9.7	9.65 0 1	-0.96	8.69
8.53	9	5.8 6.0	6.0	6.00 0 0	2.78	8.78	10.0	10.0	10.00 0 0	-1.03	8.91
8.77	10	6.2 6.4	6.7	6.55 2 1	2.66	9.21					
	11	6.4 6.6	6.4	6.50 1 1	2.67	9.17					
	12	6.7 6.9	6.8	6.85 1 0	2.60	9.45					
	13	6.8 7.0	7.0	7.00 0 0	2.58	9.58					
	14	7.0 7.2	7.0	7.10 1 1	2.55	9.65					
	15	7.8 ^{2nd}	7.8	7.80 0 0	2.42	10.22					
	16	8.0	8.0	8.00 0 0	2.40	10.40					
	17	7.9	7.9	7.90 0 0	2.41	10.31					
	18	8.2	8.2	8.20 0 0	2.36	10.56					
	19	8.0	8.1	8.05 0 1	2.39	10.44					
	20	8.1	8.0	8.05 1 0	2.39	10.44					
	21	9.5	9.7	9.60 1 1	2.18	11.78					
	22	10.0	10.0	10.00 0 0	2.14	12.14					

Curve + Magn. Ch. F.C.

Saturday, June 21, 1913

Series MD 2908 - 2919

Scale M

MD 2917
1st 2nd131 K. copied
alt. corr. -17

P.C.

2nd 2nd

1	5.25.4	5.3	5.35	0.1	2.93	8.28	9.8	9.7	9.75	0.1	-0.99	8.76
2	7.07.2	7.2	7.20	0.0	2.54	9.74						
3	7.07.2 2 nd	7.2	7.20	0.0	2.54	9.74						
4	7.6	7.8	7.70	1.1	2.44	10.14						
5	8.6	8.5	8.55	0.1	2.31	10.86						
6	8.9	9.0	8.95	1.0	2.26	11.21						
7	9.8	9.6	9.70	1.1	2.16	11.86						
8	9.7	9.8	9.75	1.0	2.16	11.91						
9	10.0	9.9	9.95	0.1	2.14	12.09						

Lewer + Magn. Ch. F.C.

Saturday, June 21, 1913
 Series MD 2908 - 2919

Scale M	MD 2918		4 ^h + 75 ^m A.1		Copied		P.B.	
	1 st	2 nd	alt. corr.		2 nd		2 nd	
1	3.941	4.0	4.05	1 0	3.26	7.31	8.3	8.4 8.35 1 0 -0.67
2	4.042	4.1	4.15	0 1	3.24	7.39	8.5	8.4 8.45 1 0 -0.70
3	4.042	4.1	4.15	0 1	3.24	7.39	8.5	8.5 8.50 0 0 -0.70
4	4.042	4.2	4.15	0 1	3.24	7.39	8.4	8.5 8.45 0 1 -0.70
5	5.860	5.9	5.95	0 1	2.78	8.73	10.0	9.9 9.95 X 0 1 -1.02
6	5.860	5.9	5.95	0 1	2.78	8.73	10.0	10.0 10.00 0 0 -1.03
7	5.961	5.8	5.95	1 2	2.78	8.73		
8	5.961	6.1	6.10	0 0	2.75	8.95		
9	6.062	6.1	6.15	0 1	2.74	8.89		
10	6.921	7.1	7.10	0 0	2.55	9.65		
11	7.072	7.1	7.15	0 1	2.54	9.69		
12	8.1	8.0	8.05	1 0	2.39	10.44		
13	7.8	7.8	7.80	0 0	2.42	10.22		
14	8.6	8.4	8.50	1 1	2.31	10.81		
15	8.7	8.6	8.65	1 0	2.30	10.95		
16	8.8	8.7	8.75	0 1	2.28	11.03		
17	9.2	9.2	9.20	0 0	2.22	11.42		
18	9.6	9.6	9.60	0 0	2.18	11.78		
19	9.8	9.8	9.80	0 0	2.16	11.96		

Curve + Magn. Ch. F.C.

Saturday, June 21, 1913
 Series MD 2908 - 2919

Scale M	MD 2919			Pole	P.C.		
	1 st	1 st		Sec. 2	1 st	2 nd	
5	2.4	2.6	2.3 ^{2.5}	2.55	0.1	6.7 ^{6.9}	6.6
6	3.3	3.5	3.2 ^{3.4}	3.45	1.0	7.3 ^{sc 2}	7.5
8	5.0	5.2	5.0 ^{2nd}	5.10	1.1	8.9	8.8
9	5.4	5.6	5.6	5.60	0.0	9.5	9.6
10	5.8	6.0	5.8	5.90	1.1	9.8	9.7
11	6.3	6.5	6.4	6.45	1.0		
12	6.8	7.0	6.8	6.90	1.1		
13	7.5 ^{2nd}	7.6	7.55	1.0			
14	8.0	8.0	8.00	0.0			
15	8.5	8.4	8.45	1.0			
16	8.9	8.9	8.90	0.0			
17	9.1	9.1	9.10	0.0			
18	9.7	9.7	9.70	0.0			

Thursday, August 14, 1913

AB 14250

Pole L'

Screen 2

Scale W	2 nd	2 nd	Mean	P _{tm} - Scale Reading	Curve Magn.	ac - P _{tm} - White Red
12	6.8	6.9	6.85 01			
9	9.3	9.3	9.30 00	-0.69	-0.78 8.52	09
6	8.0	8.0	8.00 00	-0.92	-0.95 7.05	03
52	9.4	9.3	9.35 01		-0.78 8.57	10 11
7	8.3	8.2	8.25 10	-0.86	-0.90 7.35	04
32	8.6	8.6	8.60 00		-0.84 7.76	12 11
22	7.8	7.8	7.80 00		-1.00 6.80	25 24
5	7.5	7.6	7.55 10	-1.07	-1.03 6.52	04
42	9.0	9.0	9.00 00		-0.77 8.23	02 01
+87° 15	8.8	8.7	8.75 01	-0.91	-0.80 7.95	11
+87° 12	8.8	8.8	8.80 00		-0.79 8.01	17 18
+88° 2	8.9	8.8	8.85 10		-0.79 8.06	04 05
+88° 115	9.9	9.9	9.90 00	-0.02	⁷⁸ -0.89 9.01	²⁴ 13
+88° 105	8.9	8.9	8.90 00		-0.78 8.12	08 09
+88° 90	9.8	9.9	9.85 01	-	⁷ -0.88 ^{9.07} 8.97	10 09
+88° 86	9.2	9.3	9.25 01	-0.47	-0.78 8.47	31
+88° 80	9.7	9.7	9.70 00	-0.78	⁷⁸ -0.84 ⁹² 8.86	⁵⁰ 26

$$\begin{array}{r}
 +28 \\
 -53 \\
 \hline
 8 \sqrt{-25} \\
 -05 \\
 \hline
 +39 \\
 -46 \\
 \hline
 8 \sqrt{-07} \\
 -01
 \end{array}
 \quad
 \begin{array}{r}
 +49 \\
 -39 \\
 \hline
 8 \sqrt{+10} \\
 +01
 \end{array}
 \quad
 \begin{array}{r}
 +56 \quad 45 \\
 -32 \quad 43 \\
 \hline
 8 \sqrt{88} \\
 \pm 11
 \end{array}$$

100

Friday, August 15, 1913
 A 614251 L' Pole
 Green D

Scale W

	2 nd	2 nd		Plon - Scale Reading	Curv Magn.	RC - Plon. White Red
12 7.0	7.0	7.00 00				
6 8.2	8.2	8.20 00	-1.14	6.98	10	
9 9.6	9.6	9.60 00	-0.99	8.57	04	
52 9.4	9.5	9.45 01		8.38	29	14
7 8.7	8.6	8.65 10	-1.26	7.46	07	
32 8.8	8.7	8.75 01		7.57	07	08
22 7.8	7.7	7.75 01		6.52	03	12
42 9.2	9.2	9.20 00		8.09	12	03
5 7.7	7.8	7.75 10	-1.27	6.52	04	
+87° 15 9.1	9.0	9.05 10	-1.21	7.91	07	
+87° 12 9.0	8.9	8.95 01		7.80	38	23
+88° 2 9.1	9.1	9.10 00		7.98	12	03
+88° 11 5 9.9	9.9	9.90 00	-1.02	8.91	03	
+88° 10 5 9.3	9.2	9.25 10		8.15	05	10
+88° 9 0 9.8	9.8	9.80 00		8.80	17	02
+88° 8 6 9.7	9.7	9.70 00	-0.92	8.68	10	
+88° 8 0 9.9	10.0	9.95 10	-1.03	8.97	05	

$$\begin{array}{r}
 +26 \\
 -24 \\
 \hline
 8) +02 \\
 +00 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 8) 123 \\
 -15 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 +38 \\
 -37 \\
 \hline
 8) 75 \\
 \hline
 \pm 09
 \end{array}$$

Monday Aug. 25, 1913

101

Scale $\frac{10}{\text{A}}$

Ab 14265 L' Pole

Superseded see p. 103

	1st	3rd	Mean	Diff.	curve	Magn.	ac. Blm White +0.2 -1.3	Red stars
P 5 5.4	5.3	5.35	0.1	+1.13	+1.15	6.50		
P 6 6.1	6.0	6.05	1.0	+1.03	+0.98	7.03	0.5	
P 7 6.4	6.3	6.35	0.1	+1.04	+0.88	7.23	1.6	
P 9 9.2	9.3	9.25	0.1	-0.64	-0.38 -0.62	8.87	2.6	
12 4.1	4.2	4.15	1.0	.	.			
22 5.8	5.8	5.80	0.0	+	+1.04	6.84		29 10.17
32 7.1	7.2	7.15	1.0		+0.61	7.76		12 0.00
42 8.0	7.8	7.95	0.1		+0.98	8.23		02 4.12
52 9.0	9.0	9.00	0.0		-0.24	8.76		09 0.03
2 8.1	8.2	8.10	0.0		+0.22	8.32		22 0.10
12 7.9	8.0	7.95	1.0	-0.11	+0.29	8.24		06 0.06
14 7.5	7.6	7.55	1.0	+0.29	+0.45	8.00	1.6	
80 9.1	9.0	9.05	1.0	-0.13	-0.28	8.77	1.5	
86 8.7	8.8	8.75	1.0	+0.03	-0.10	8.65	1.3	
90 9.5	9.5	9.50	0.0		-0.59	8.91		06 0.18
105 8.2	8.2	8.20	0.0		+0.18	8.38		18 0.06
115 9.6	9.6	9.60	0.0	-0.72	-0.67	8.93	0.5	

49
-49
8700
+0.0

+10.4
-6
8) 104 92
+1.3 +1.2

102

Monday, Aug, 25, 1913
 Ab 14272 L' Pole

Scale ①

see P. 103 for reduction.

						<i>superceded</i> ac. Plm		
	1st	3rd	Mean			curve Magn.	White	Red.
P 5	5.1	5.0	5.05	1.0	+1.43	+1.43	6.48	00
P 6	6.0	6.1	6.05	0.1	+1.03	+0.95	7.00	08
P 7	6.9	6.8	6.85	1.0	+0.54	+0.54	7.39	00
P 9	9.3	9.4	9.35	1.0	-0.74	-0.66	8.69	08
12 ⁵	4.3	4.2	4.25	1.0				
22	5.5	5.6	5.55	1.0		+1.18	6.73	18 18
32	7.4	7.3	7.35	0.1		+0.31	7.66	02 03
42	8.8	8.7	8.75	0.1		-0.37	8.38	17 18
52	9.6	9.5	9.55	0.1		-0.76	8.79	12 04
2	8.4	8.3	8.35	0.1		-0.16	8.19	09 04
12 ⁵	8.2	8.2	8.20	0.0	-0.36	-0.10	8.10	08 13
15 ²	8.0	8.0	8.00	0.0	-0.16	0.00	8.00	16
80	9.8	9.8	9.80	0.0	-0.88	-0.88	8.92	00
86	9.2	9.3 8.4	9.25	0.1	-0.47	-0.60	8.65	13
90	10.0	9.9	9.95	0.1		-0.95	9.00	03 03
105	8.3	8.2 ²	8.25	1.0		-0.12	8.13	07 13
115	9.2	9.2	9.20	0.0	-0.32	-0.58	8.62	26

$$\begin{array}{r} +24 \\ -47 \\ \hline 8) -233 \\ -02 \end{array}$$

$$\begin{array}{r} +58.61 \\ -15 \\ \hline 8) +46 \\ +0.5 \\ +.56 \end{array}$$

$$\begin{array}{r} +32 \\ -34 \\ \hline 8) 66 \\ 8) \pm .08 \end{array}$$

From P. 98

Ge 14250

Ac 14265 curv Magn. White Red.							Ac 14272 curv Magn. White Red.						
P.	5	1.55	5	5.35	+1.26	6.61	13 "	6.48	+0.75	7.23	6.51	03 ⁰⁵	
	6	8.00	6	6.05	+1.04	7.09	01 ⁰¹	7.00	+0.47	7.47	7.01	07 ⁰⁵	
	7	8.25	7	6.35	+0.92	7.27	12 ¹⁴	7.39	+0.26	7.65	7.39	00 ⁰²	
	9	9.30	9	9.25	-0.43	8.82	21 ¹⁹	8.69	-0.36	8.33	8.69	08 ¹⁰	
	12	6.85	12										
	22	7.80	22	5.80	+1.12	6.92	37 ³³	6.73	+0.62	7.35	6.76	21 ¹⁷	
	32	8.60	32	7.15	+0.58	7.73	29 ⁰⁵	7.66	+0.11	7.77	7.63	01 ⁰⁵	
	42	9.00	42	7.95	+0.22	8.17	04 ⁰⁸	8.38	-0.22	8.16	8.36	15 ¹¹	
	52	9.35	52	9.00	-0.31	8.69	02 ⁰²	8.79	-0.41	8.38	8.80	13 ⁰⁹	
	2	8.85	2	8.10	+0.13	8.23	13 ⁰⁹	8.19	-0.13	8.06	8.16	06 ⁰²	
	12	8.80	12	7.55	+0.38	7.93	25 ²⁹	8.00	-0.05	7.95	7.96	22 ²³	
	15	8.75	15	7.95	+0.22	8.17	33 ³¹	8.10	-0.10	8.00	8.06	22 ²⁴	
	80	9.70	80	9.05	-0.33	8.72	20 ²²	8.92	-0.47	8.45	8.95	03 ⁰⁵	
	86	9.25	86	8.75	-0.18	8.57	41 ²³	8.65	-0.44	8.21	8.63	15 ¹³	
	90	9.85	90	9.50	-0.60	8.90	07 ¹¹	9.00	-0.50	8.50	9.04	07 ⁰³	
	105	8.90	105	8.20	+0.09	8.29	09 ⁰⁵	8.13	-0.11	8.02	8.09	11 ¹⁵	
	115	9.90	115	9.60	-0.68	8.92	04 ⁰²	8.62	-0.33	8.29	8.60	28 ²⁶	
....													

$$\begin{array}{r}
 +6872 +63 \\
 -5753 \pm 123 \\
 \hline
 8119 \pm 15 \\
 +012
 \end{array}
 \quad
 \begin{array}{r}
 +70 +52 \\
 -136 -50 \\
 \hline
 8134 \pm 102 \\
 +104
 \end{array}$$

$$\begin{array}{r}
 +36 +46 \\
 -50 -44 \\
 \hline
 8140 \pm 11 \\
 -02
 \end{array}
 \quad
 \begin{array}{r}
 +62 \\
 -34 \\
 \hline
 8176 \pm 11 \\
 +04
 \end{array}$$

$$\begin{array}{r}
 +42 \\
 -46 \\
 \hline
 8188 \pm 11
 \end{array}$$

Thursday, Sept. 4, 1913

Measure of ϕ 14146
Scale ϕ 14147

Stars	1	2	3	4	Began
i	n.s.	3.7	4.2	7.9	4.20
e	6.8	br.	br.	4.8	
a	1.9	br.	br.	br.	
b	3.9	br.	br.	br.	
not comp.	6	br.	br.	not comp.	
j	n.s.			n.s.	
j'	3.8	3.8	5.2	n.s.	but scale not ft. enough
a'	2				
a'	3.2	br.	br.	1.0	
b'	3.8	br.	br.	2.5	
h	9.2	7.8	2.8	6.2	
l	n.s.	7.7	8.0	n.s.	
g	7.4	br.	1.4	5.0	
K	.	5.2	6.5	.	
j	n.s.	3.0	3.8	7.8	4.35

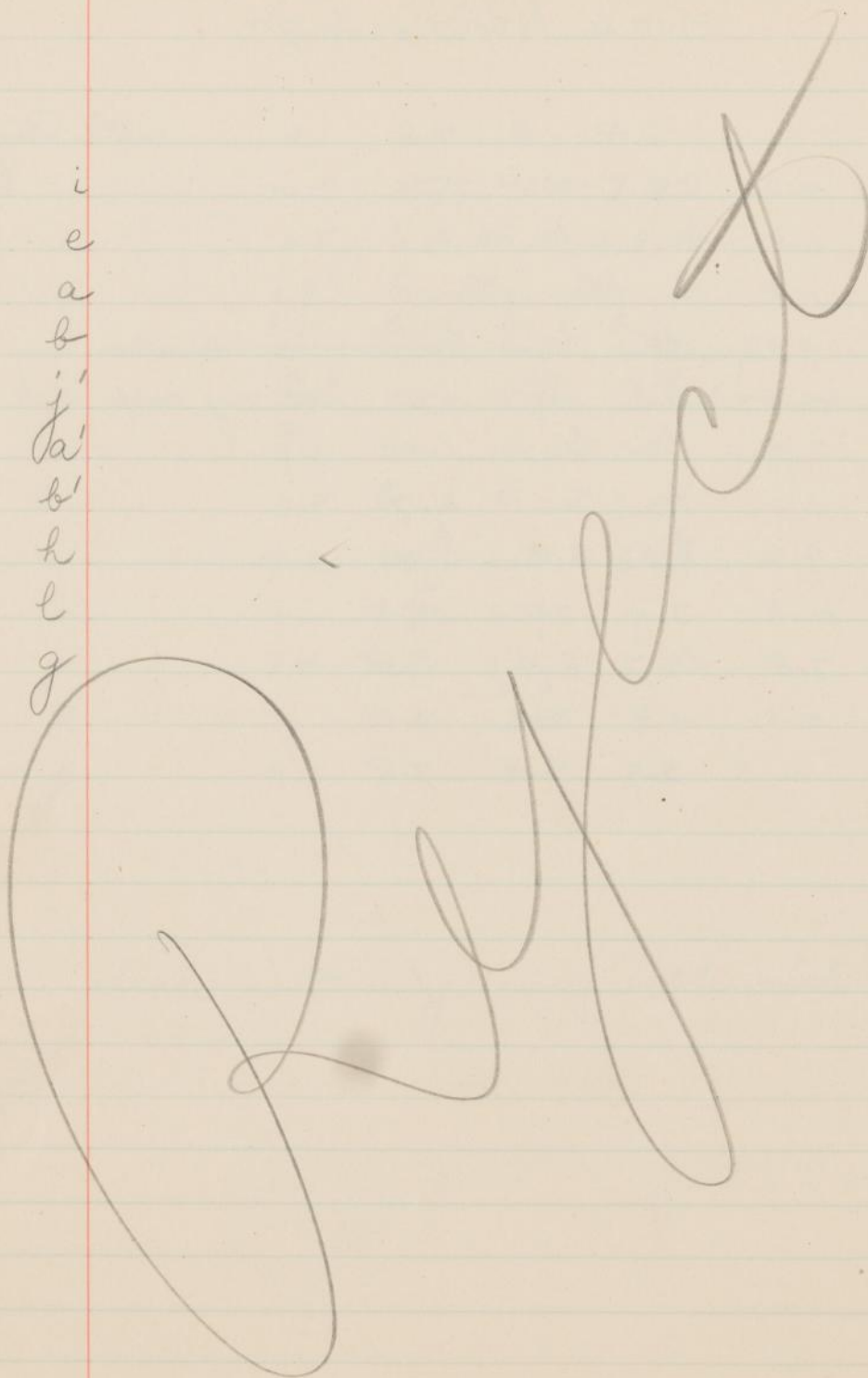
Scale not very comparable with i, K, j + g,

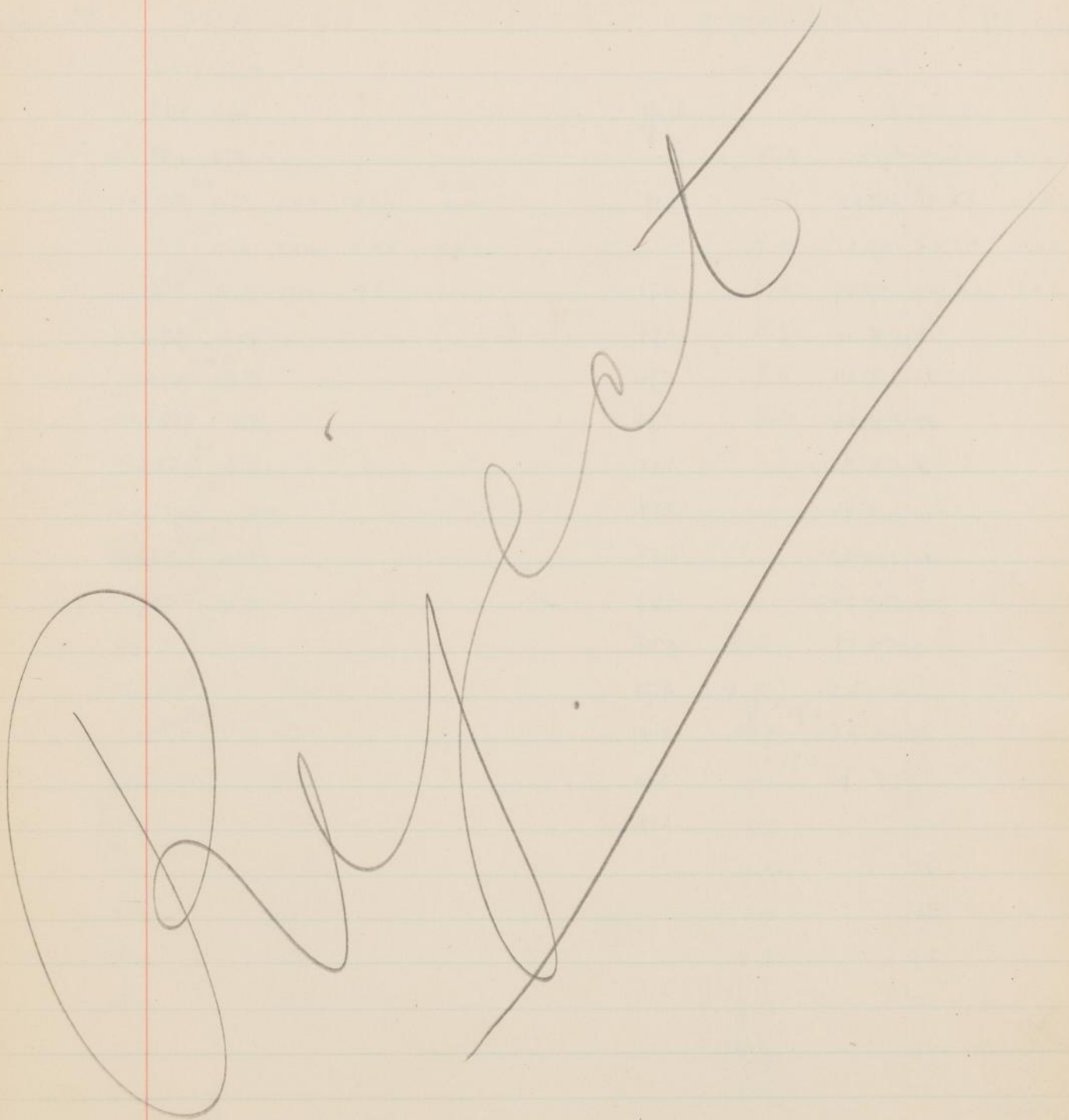
Tuesday Sept. 30, 1913
 Measures of ϵ 14146
 Scale of ϵ 14147

105

Stars	1	2	3	4	
i	n.s.	3.6	4.2	7.7	
e	6.8	br.	br.	4.8	
a	1.8	br.	br.	br.	
b	3.8	br.	br.	br.	
j	n.s.	4.0	4.7 ^{5.0}	n.s.	not very comp. with scale.
a'	2.0	br.	br.	1.0	
b'	3.7	br.	br.	2.7	
h	9.2	8.0	2.8	4.2 ⁶	
l	n.s.	7.1	7.9	n.s.	
g	7.8	br.	2.0	5.8	
K	n.s.	4.8	5.9 ^{6.2}	n.s.	
j	n.s.	2.9	3.8	7.8	8.25

i
e
a
b
i'
j'
a'
b'
h
l
g





Wednesday, Dec. 3, 1913

Color Index.

Scale M.

M_b 4193,

P. 6.

8.30	sc. 1			sc. 2
5 br.		Diff.		4.0 2.48
6 br.		6		5.2 1.88
7 1.0 1.2		6.19		5.2 2.19
8 1.9 2.1				6.2
9 2.7 2.9		5.71		6.8 1.81
10 2.8 3.0		5.94		7.2 1.74
11 3.2 3.4		5.90		8.0 1.30
12 3.4 3.6		5.94		8.3 1.24
13 4.0 4.2		6.05		9.0 1.25
14 4.4 4.6		5.84		def. in reg.
15 5.0 5.2		5.58		9.4 1.38
16 5.2 5.4		5.67		9.8 1.27
17 5.7 5.9		5.28		n.s.
18 6.0 6.2		5.73		
19 6.6 6.8 ^{6.75° ± 1/2}		5.47		
20 6.8 7.0 ^{6.95° ± 1/2}		5.70		
23	7.2	6.14		
25	8.2			
26	8.6			
27	8.8			
28	9.2			
29	9.4			
30	10.0			

+87° 15	2.1 2.3	5.54	6.0	1.84
+88° 80	2.7 2.9	6.02	7.2	1.72
86	2.2 2.4	6.38	7.0	1.78
115	2.8 3.0	5.88	7.0	1.88

Wednesday, Dec. 3, 1913

109

Color Index.

Scale M. Mb 4193

Pl.

se. 1

se. 2

12v

22v br.

32v 2.2^{2.4}42v 2.6^{2.8}52v 3.8^{4.0}62v 3.9^{4.1}72v 4.2^{4.4}82v 4.9^{5.1}92v 5.8^{6.0}102v 6.6^{6.8}112v 6.7^{6.9}122v 7.5^{7.7}42v 3.6^{3.8}52v 4.8^{5.0}62v 5.0^{5.2}

92v

102v

112v

122v

132v

142v

def. in neg.

5.2 2.11 7.31 0.76

6.8 1.73 8.53 0.89

7.0 1.67 8.67 0.46

8.2 1.33 9.53 0.86

8.4

9.0

9.6

8.3

9.9

9.7

5.10 1.1

5.2

5.10 1.2

5.0

8.7

9.1

9.0

9.3

9.2

+87° 12 2.3^{2.5} 5.97 8.47 0.29+88° 2 2.6^{2.8} 5.94 8.74 0.6490 3.1^{3.3} 5.87 9.17 0.20105 2.8^{3.0} 5.91 8.91 0.71

6.2 1.87 8.07 -0.11

7.0 1.67 8.67 -0.09

8.0 1.40 9.40 0.57

7.2 1.63 8.83 0.43

4) 302 8) 424

5) 328 8) 460

110

Wednesday, Dec. 3, 1913

Color Index

Scale M.

M_b 4193

sc. 2

a' 5.2

a² 6.2

b 6.2

c 7.0

d 6.3

e 7.0

f 6.8

g ~~7.7~~

h 8.2

K 8.0

L 7.6

m 7.8

o can't find.

q 8.2

r

t

w

y

Thursday, Dec. 4, 1913.

111

Color Index.

Scale M

MB 4246

sc.
 a' 5.8
 a² 6.9
 b 6.9
 2nd
 c 7.0
 1st
 d 6.8 7.0 7.00 7.0
 2nd
 e 7.2
 f 7.2
 g 7.7
 h 8.8
 K 7.6
 l 7.8
 m 8.2
 o 8.5
 p 8.8
 r 9.3
 t 9.0
 w
 y

112

Thursday, Dec. 4, 1913

Color Index.

Scale M

M_b 4246

10.15	se.1	se.2	Diff. Curve	P.6	Diff.
10.10	5			4.8	1.68
	6	1.0 1.2	5.88	5.2	1.88
	7	1.2 1.4	5.99	5.8	1.59
	8	2.0 2.2		6.8	
	9	2.7 2.9	5.71	7.3	1.31
	10	3.0 3.2	5.74	7.4	1.54
	11	3.6 3.8	5.50	8.0	1.30
	12	3.8 4.0	5.54	8.4	1.14
	13	4.3 4.5	5.75	9.0	1.25
	14	5.0 5.2 5.10 ¹²	5.0 5.34	9.3	1.14
	15	5.2 5.4 5.35 ⁰¹	5.3 5.43	9.8	0.98
	16	6.0 6.2 6.10 ¹²	6.0 4.97		
	17	6.1 6.3 6.25 ¹⁰	6.2 4.93		
	18	6.8 7.0 6.90 ¹²	6.8 5.03		
	19	<u>7.0</u>	5.22		
	20	7.2	5.45		
	23	7.8	5.54		
	25	8.6			
	26	8.9			
	27	8.8			
	28	9.2			
	29	9.8			
	30	10.0			
+87°	15	2.0 2.2	5.64	6.8	1.04
+88	80	2.9 3.1	5.82	7.8	1.12
	86	2.8 3.0	5.78	7.6	1.18
	115	3.1 3.3	5.68	7.6	1.28

Thursday, Dec. 4, 1913

113

Color Index

Scale M

M6 4246

	se. 1	se. 2	Curve Magn.	P. C.	se. 2	Curve Magn.	
1 st	br: near edge.						
2 nd	1.9	2.1	+5.77	7.87	+13.2	6.0	+1.51 7.51 96
3 rd	2.9	3.1	+5.66	8.76	112	7.6	+1.23 8.83 119
4 th	2.8	3.0	+5.67	8.67	46	7.7	+1.21 8.91 70
5 th	4.0	4.2	+5.54	9.74	<u>107</u>	8.6	+1.14 9.74 107
6 th	4.2	4.4				9.1	+1.10
7 th	5.0	5.2					
8 th	4.2	5.4					
9 th	6.0	6.2					
10 th	7.0	7.2					
11 th	7.2	7.25					
12 th	8.9						
4 th	4.1					8.8	
5 th	5.5?					9.7	
6 th	7.0	5.5					
9 th	8.8						
10 th	9.1						
11 th	9.2						
12 th	9.3						
13 th	9.3						
14 th							

+87° 12	2.8 3.0	+5.67	8.67	49	7.5	+1.25	8.75	57
+88° 2	2.9 3.1	+5.66	8.76	66	7.4	+1.26	8.66	56
90	3.7 3.9	+5.57	9.47	50	8.2	+1.17	9.37	40
105	3.0 3.2	+5.64	8.84	64	7.8	+1.20	9.00	80
			8 16.26					8 16.25
			+78					+78

omitting 3rd, +87° 12, +88° 90.

Saturday, April 25, 1914

Variable "73" on MC 5400. fr A96.
The following ^{MC} plates show variation

063444.

MC 2648 n.s. Feb. 18, 1913

MC 3965 Br. Sept. 27, 1913.

4836 ft. Feb. 24, 1914

2561 n.s. Feb. 4, 1913.

2342 Br. Dec. 12, 1912

Range of 2.5 magn?

Approx. 1855 6 30.7 + 44 16

^{Between 21 + 22}
~~About equal to no. 29~~ in standard seq. on MC 2342. magn. 10.8, +11.8
n.s. < 33 with magn. 14.0 on MC 2648.

Range $\frac{2.7}{3.0}?$

January 26, 1918

"C.S." q varies slightly.

Marked on B 16995

~~18 1 v~~
B 16995

12 2 v

v 1 13

B 20812

12 3 v

v 2 13

B 20026

12 3 v

v 1 13

B 17802

13 2 v

v 4 14

Image from

I 19624

8 4 v

v 2 10

B 19819

8 5 v

v 1 10

Friday, March 8, 1918

Wolf's Nova Monocerotis. on MC. 14562.
1st 2nd 3rd 7th 22nd +6th in magn.

Scale M.

9.33	a						
	b						
	b'						
	c						
	d						
	e						mean V1: 159
	e'	1.2 1.0		7.41	7.45	8.65 #	8.65 a
	e ²	1.0					
	e ³	1.2 1.0		7.47	7.45	8.65 #	8.65 a
	f						
	g						
	g'	1.3 1.1		7.14	7.44	8.74 #	8.74 a
	h	1.2 1.0		7.40	7.45	8.65 #	8.65 a
	k	1.4 1.2		7.50	7.44	8.84 #	8.84 a
	l	1.9 1.7		7.42	7.42	9.32 #	9.52 a
	m	2.0 1.8		7.65	7.41	9.41	9.44 3, 4
W.S.	n	2.52.7 3.8		7.21	7.31	10.01	9.96 05 06
	n'	4.0 3.8		7.07	7.05	11.05	11.12 07 08
	n ²	3.1 2.9		7.41	7.25	10.35	10.48 13 14
	o	3.2 3.0		7.28	7.21	10.41	10.46 05 04
	p	4.36 3.8		7.13	7.12	10.72	10.85 13 13
	q	3.9 3.7	3.95 4.0	7.21	7.06	11.01	11.10 09 10
	r	3.9 3.7	3.95 4.0	6.81	7.06	11.01	10.89 12 12
diff.	s	3.4 3.2	3.4 4.0	7.11	7.18	10.58	10.58 0 0
	t	4.2 4.0	4.2 4.7	6.96	6.95	11.55	11.42 13 14
	u	5.0 4.8	5.0 5.0	6.60	6.90	11.90	11.70 20 20
	v	5.4 5.2	5.4 5.2	6.93	6.85	12.15	12.11 04 04
	w	5.9 5.7	5.9 5.7	6.77	6.77	12.57	12.57 a

Cont. on next page.

	1 st	2 nd	2 nd	Diff	cer	magn	mean	Y:160
γ	6.2 6.0 0.4	0.0 6.20 0.1	6.2	6.75	6.69	12.89	12.88	01, 01
z	6.2 4.2	6.45 0.1	6.5	6.76	6.60	13.05	13.02	03, 02
α	7.0	7.25	7.3	6.15	6.40	13.63	13.48	15, 16
β		7.3	7.35	6.47	6.37	13.72	13.71	01, 01
γ		7.8	7.90	6.10	6.20	14.10	13.97	13, 13
δ		7.7	7.75	6.21	6.25	14.00	14.02	02, 01
ε		8.2	8.30	6.18	6.07	14.37	14.34	03, 04
ζ		9.0	9.00	5.60	5.80	14.80	14.78	02, 01
η		9.5	9.50	5.64	5.58	15.08	15.08	00, 01
θ		9.8	9.75	6.46	5.46	15.21	15.24	03, 04
ι	5.2	5.1				15.37	15.37	01, 01
33	5.0	5.10	5.0	6.86	6.87	11.97	11.96	01, 01
34	6.2 6.0	6.1 6.10	6.0	6.68	6.70	12.80	12.86	06, 06
35	6.6 6.4	6.2 6.40	6.2	6.74	6.62	13.02	13.08	06, 05
36	7.0 6.8	6.8 6.90	6.8	6.50	6.58	13.40	13.42	02, 01
37	-	7.7	7.75	6.13	6.24	13.99	14.02	03, 02

March 8, 1918.

Wolf's Nova. cont.

Scale M.

Diffraction images.

MC 14562

	1st	2nd	1st	2nd	Diff	cu	magn.	mean
a	1.7	3.2	1.2		4.14			
a'	1.5	1.45	1.0		3.93			
b	2.8 30 2	2.85	2.5 1 1		3.16			
b'	2.7 49 1	2.95	2.8 30 0		3.87			
b''	2.9 1	3.05	3.2 2		3.59			
c	2.7	2.95	2.9 0		4.66			
d	2.2 0	2.90	2.7		3.33	3.40	7.15	7.15
e	2.0	2.20	2.2 0		3.26	3.05	8.40	8.5
e'	3.6 38 0	3.75	2.0 2		3.15	3.15	8.10	8.10
e''	5.0 52 2	5.35	3.5 37 1		3.17	3.01	8.51	8.5
e'''	4.7 3	4.95	5.3 55 1		4.26			
e''''	4.5	5.0	5.0 52 2		3.12	3.12	8.17	8.1
e'''''	5.4 1	5.50	5.4 56 1		3.24	3.09	8.29	8.3
f	5.2	5.50	5.4		2.75	2.96	8.81	8.7
f'	3.2 0	3.20	3.2 0		2.60	2.85	9.15	9.1
f''	3.0	3.20	3.0		2.92	2.82	9.22	9.2
f'''	4.9 1	5.05	5.2 2		2.95	2.75	9.45	9.3
f''''	4.7	5.0	5.0		2.41	2.57	10.07	10.0
f'''''	5.0	5.20	5.4		2.27	2.25	11.05	11.0
g	4.8	5.2	5.2		2.71	2.57	10.07	10.0
g'	5.8	0.1	5.9		2.53	2.57	10.48	10.4
g''	5.6	5.85	5.7		2.08	2.29	10.94	10.9
g'''	6.0	6.2	6.2		2.21	2.21	11.16	11.1
g''''	6.0	6.30	6.0	6.5	2.31	2.33	10.78	10.7
g'''''	6.4	0.2 0.1	6.4	6.5	1.86	2.29	10.94	10.9
h	6.2	6.40	6.2	6.5	1.91	2.07	11.72	11.7
h'	6.2	6.40	6.2	6.5	2.05	2.08	11.63	11.6
h''	6.16	1.0 0.0 0	6.7	6.7	2.33	2.01	11.91	11.9
h'''	6.4	6.70	6.5	6.7				
h''''	7.5	7.50	7.5	7.5				
h'''''	8.6	8.80	9.0	9.0				
i	8.1	8.80	9.0	9.0				
i'	8.1	8.80	9.0	9.0				
i''	8.1	8.80	9.0	9.0				
i'''	8.1	8.80	9.0	9.0				
i''''	8.1	8.80	9.0	9.0				
i'''''	8.1	8.80	9.0	9.0				
j	7.7	7.95	8.2	8.2				
j'	8.5	8.65	8.8	8.8				
j''	8.5	8.65	8.8	8.8				
j'''	8.2	8.95	8.7	8.7				
j''''	8.2	8.45	8.5	8.5				
j'''''	8.2	8.45	8.5	8.5				
k	8.6	8.65	8.7	8.7				
k'	9.5	9.65	9.8	9.8				
k''	9.5	9.65	9.8	9.8				
k'''	9.5	9.65	9.8	9.8				
k''''	9.5	9.65	9.8	9.8				
k'''''	9.5	9.65	9.8	9.8				
l	9.9	9.90	9.9	9.9				

cont on next page

Mean	V1.161	1 st	2 nd	1 st	2 nd	0.86	in	magn.
.	33		9.4	450	9.6	2.46	210	11.60
.	34							
.	35							
.	36							
7.15	a - 37							
8.52	12, 13							
8.10	a							
8.50	01, 01							
.	.							
8.17	0							
8.34	05, 06							
8.77	04, 04							
9.10	05, 05							
9.24	02, 02							
9.51	06, 06							
10.00	07, 08							
11.11	06, 06							
10.40	10, 09							
10.46	04, 04							
10.90	04, 05							
11.16	00, 00							
10.76	02, 01							
10.74	20, 20							
11.61	11, 11							
11.63	a (84)							
11.91	a							

March 8, 1918.

Wolf's Nova

	1 st	2 nd	Pris.	Comp.	MC 14562	Diff	av.	magn.
a	2.0					3.39	3.50	5.70
a'	3.8					2.78	3.00	7.00
b	2.6					3.41	3.38	6.18
b'	2.7					3.52	3.35	6.25
c	2.8					3.49	3.31	6.31
d	4.0					2.66	2.96	7.16
e	4.0					2.88	2.96	7.16
e'	6.7	3.2				1.96	2.11	8.76
e ²	5.4	6.65	6.4			2.90	2.62	7.82
e ³	7.0	2.1	5.0			1.82	2.06	8.91
f	4.0	4.10	4.0			3.36	2.99	7.09
g	5.8	5.85	5.7			2.32	2.40	8.25
g'	6.0	6.10	6.0			2.34	2.30	8.40
h	7.2	7.00	6.8			1.60	2.00	9.00
K	6.3	6.60	6.7			2.30	2.12	8.72
L	7.0	7.10	7.0			2.22	2.47 1.97	9.67 9.07
m		7.7				1.95	1.79	9.49
n		8.20	8.2	8.2		1.71	1.61	9.81
n'		9.90	9.9	9.9		1.17	1.12	10.02
n ²		9.35	9.5	9.2		1.16	1.27	10.62
o		9.45	9.6	9.3		1.03	1.24	10.69
p		9.45	9.5	9.4		1.28	1.24	10.69
q		9.95	10.0	9.9		1.21	1.10	11.05
r								

mean $V_{1:159}$

5.88	<u>18</u> , 17
7.00	00, 01
6.15	03, <u>03</u>
6.32	<u>07</u> , 06
6.26	05, <u>05</u>
7.04	12, <u>11</u>
7.16	00, 01
8.70	06, <u>07</u>
7.86	<u>04</u> 04
8.74	17, <u>17</u>
7.28	<u>19</u> , 19
8.20	05, <u>05</u>
8.40	<u>a</u> (10)
8.92	08, <u>09</u>
8.72	<u>a</u> (02)
9.07	<u>a</u> (14)
9.56	<u>07</u> , 07
9.86	<u>05</u> , 04
11.02	<u>a</u> ,
10.62	<u>a</u> ,
10.69	<u>a</u> .
10.69	<u>a</u> .
11.05	<u>a</u> .

Provisional magn. March 11, 1918

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Wolff's Nova estimated ~~by~~ directly on
the following plates.PC 19835
9.2JA I 16677
5.7AC 19646
6.5VA I 16694
7.1ajc 19854
9.4JA I 16807
8.7AC 19755
8.5VA I 16674
5.7AC 19577
n.s. < 11.1JA I 16658
n.s. < 10.5VAC 19787
8.7VA I 16648
n.s. < 8.6 from plate.AC 19456
n.s. < 11.1VA I 16772
8.6VA I 16713
7.8VA I 16759.
8.3VA I 16848
9.3VA I 16741
8.2

\checkmark I 16724
7.9.

\checkmark I 16829
8.9

\checkmark I 16703
7.8

\checkmark I 16770
n.s. < 8.2

\checkmark I 16751
8.3

\checkmark I 16655
n.s. < 10.5

\checkmark I 16769
8.4

\checkmark I 16791
8.7

\checkmark I 16839
9.1

\checkmark I 15756
n.s. < 10.7

\checkmark I 16750
8.3

\checkmark I 15493
n.s. < 10.5

\checkmark I 16802
8.4

\checkmark I 16891
9.2

\checkmark I 16830
9.0

\checkmark I 16888
9.4

\checkmark I 16811
9.0

\checkmark I 15524
n.s. < 10.7

\checkmark I 16839
9.0

\checkmark MC 14⁵38
9.4

MC14540

9.7

X MC14557

9.9

March 18, 1918

Scale meas. to obtain magn. for R.D. Ophiuchi.

AC 16434

AM 12086

Scale N

	<u>b</u>	<u>c</u>	Diff.	Curve.	magn.	<u>Scale Y</u>
a	6.7 ^{6.3}	6.5	6.40	1	3.03	3.07 9.47
b	7.3 ^{6.9}	7.2	7.05	2	2.87	2.87 9.92
d	8.4 ^{8.0}	8.3	8.15	2	2.63 2.43	2.56 10.71
e	8.6 ^{8.2}	8.5	8.35	2	2.50 2.43	2.50 10.85
f	8.8 ^{8.4}	8.6	8.50	1	2.48 2.35	2.49 10.99
f'	9.2 ^{8.8}	9.0	8.90	1	2.28 2.08	2.38 11.28
c		9.2	9.2	2	2.38	2.35 11.52
g		9.9	9.9	2	2.23	2.25 12.15
h						
K						

Plate fogged.

- 74

<u>b</u>	<u>c</u>	<u>c</u>	Diff.	Curve	
6.8	6.7	6.75	0	1 2.68	
7.4 ^{7.3}	7.3	7.30	0	0 2.62	
	10.8	10.7	10.75	0	1 0.03
	9.8	9.8	9.80	0	0 1.05
	9.8	10.0	9.90	1	1 1.08
	10.8 11.0	10.9	10.95	0	1 0.23

AM 12086

Curve.
magn.

a	2.64	8.99
b	2.49	9.79
d	0.18	10.93
e	1.05	10.85
f	0.98	10.88
f'	-0.02	10.93

AC 16434 AM 12086 AM 3566 AM 5429 Mean

a	9.47	8.99	8.86	9.53	9.21	25 ⁶	22	35	32
b	9.92	9.79	9.45	9.81	9.74	18	05	29	07
d	10.71	10.93	10.98	10.88	10.88	16 ⁷	05	10	00
e	10.85	10.85	10.74	10.78	10.80	05	05	06 ⁰³	08
f	10.99	10.88	10.74	10.82	10.86	13	02	12	04
f'	11.28	10.93	11.30	11.15	11.16	25 ¹²	23	15 ⁴	01
c	11.52		11.65		11.58	06		07	
g	12.15		11.94		12.04	11		10	

Scale meas. cont. for P V. Ophiuchi

AM 3566

AM 5429

Scale N

	<u>b</u>	<u>c</u>	Diff.	Scale N Curv. Magn.	<u>b</u>	<u>c</u>	Diff.	Curv. Magn.
a	6.7 ^{6.3}	6.3 6.30 00 00	3.13	2.56 8.86	6.9 ^{6.5}	6.5	6.50	0.0 2.93 3.03 9.53
b	7.3 ^{6.9}	7.0 6.95 1 0	2.97	2.50 9.45	7.2 ^{6.8}	7.0	6.90	1 1 3.02 2.91 9.81
d	8.7 ^{8.3}	8.0 8.15 1 2	2.63	2.83 10.98	9.1	9.0 9.05	1 0	1.73 1.83 10.88
W unit e	8.3 ^{7.9}	7.8 7.85 1 0	3.00	2.89 10.74	8.9	8.7 8.80	1 1	2.05 1.98 10.78
W unit f	8.4 ^{8.0}	7.7 7.85 2 1	3.13	2.89 10.74	8.8	9.0 8.90	1 1	2.08 1.92 10.82
g	9.0 ^{8.8}	8.2 8.50 3 3	2.68	2.80 11.30	10.0	9.9 9.95	0 1	2.23 1.20 11.15
h		9.0 9.0	.2	2.58 2.65 11.65				
i		9.4 9.4	.2	2.73 2.54 11.94				

March 18, 1918.

Scale Meas to obtain magn. for R & Ophiuchus.

Scale N

AC 16434

Scale N AM 3566

 $\frac{b}{c}$ $\frac{c}{d}$ $\frac{b}{c}$ $\frac{c}{d}$

Diff. Curv. Magn. Mean.

Diff. Curv. Magn.

a	6.9 ^{6.5}	6.2	6.35	1	2	2.97	3.01	9.36	9.31	6.8 ^{6.4}	6.0	6.20	2	2	3.12	3.08	9.28	
b	7.0 ^{6.6}	7.0	6.80	2	2	3.03	2.96	9.76		7.3 ^{6.9}	7.0	6.95	1	0	2.88	2.95	9.90	
b'	7.2 ^{6.8}	7.3	7.05	2	3			2.89	9.94	7.3 ^{6.9}	7.4	7.15	3	2			2.90	10.05
b ²	7.5 ^{7.1}	7.0	7.05	1	0			2.89	9.94	7.8 ^{7.4}	7.2	7.30	1	1			2.88	10.18
f	8.8 ^{8.4}	8.8	8.60	2	2	2.3	2.25	10.85		8.8 ^{8.4}	8.0	8.20	2	2	2.7	2.65	10.85	
f'		9.0	9.20	2	2	1.9	2.00	11.20		9.0 ^{8.6}	8.8	8.70	1	1	2.4	2.50	11.20	

Mean.

Grades between

AM 3749 AM 10821 AM 12215 AM 5414

a	9.31	05	03	05	06	5	6	6	5	5.55
b	9.83	07	07	06	05	2	2	1	2	1.75
b'	10.08	14	03	04	05	1	1	2	2	1.50
b ²	10.00	06	18	08	05	8	8	8	10	0.850
f	10.85	00	00	04	04	4	-	4	-	4.00
f'	11.21	01	01	01	02					

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

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Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Adapted Scale

Grades

f'

Scale meas. cont.

Scale N

AM 5429

Scale Y

AM 12086

	$\frac{b}{c}$	$\frac{c}{c}$	Diff. Curve Magn.					$\frac{b}{c}$	$\frac{c}{c}$	Diff. Curve Magn.				
a	6.7 ^{6.3}	6.2	6.25	1.0	3.07	3.11	9.36	7.0	6.5 ³	6.75	2.3	2.57	2.50	9.25
b	7.3 ^{6.9}	7.0	6.95	1.0	2.88	2.82	9.77	7.8 ^{7.6}	8.7 ³	7.95	4.3	1.88	1.93	9.88
b'	8.0 ^{7.6}	7.6	7.60	0.0	2.52	10.12		8.4 ^{8.1}	8.7 ⁸	8.45	3.4	1.68	10.13	
b ²	7.8 ^{7.4}	7.0	7.20	2.2	2.72	9.92		8.0 ^{7.8}	8.4	8.10	3.3	1.85	9.95	
f		9.0	9.2 ^{9.10}	1.1	1.82	1.79	10.89		9.8	10.0 ^{9.90}	1.1	1.02	0.91	10.81
f'		10.0	9.9 ^{9.95}	0.1	1.22	1.27	11.22		11.0	10.9 ^{10.95}	0.1	0.22	0.28	11.23

March 20, 1918

North Pole Sequence M.D. series 17.

Scale M

	M.D. 2340			P135	P141				Diff	in magn	
	1 st se.	2 nd se.	2 nd se.	2341	2351						
5	3.4			3.4	3.4	3.40	0 0 0	3.09	3.13	6.53	
6	4.0			4.00	4.0	4.60	00 00 00	3.11	3.11	7.11	
8	5.0	5.00 ⁰⁰	5.0	5.30	5.10	5.13	13 17 03	3.10	3.06	8.06	
9	6.0	6.00 ⁰⁰	6.0	5.90	5.90	5.93	07 03 03	2.90	2.93	8.93	
10	6.2	6.20 ⁰⁰	6.2	6.20	6.00	6.13	07 07 13	2.89	2.90	9.10	
11	6.7	6.85 ¹²	7.0	6.85	6.60	6.77	08 08 17	2.78	2.81	9.66	
12	7.2	7.10 ¹¹	7.0	7.10	7.10	7.10	00 00 00	2.76	2.79	9.89	
13	7.4	7.60 ²²	7.8	7.60	7.70	7.63	03 03 07	2.67	2.76	10.36	
14	7.7	7.85 ¹²	8.0	8.00	7.85	7.90	05 10 05	2.75	2.76	10.61	
15	8.1	8.25 ¹²	8.4	8.10	8.15	8.17	08 07 02	2.91	2.75	11.00	
16	8.7	8.60 ¹¹	8.5	8.75	8.85	8.73	13 02 12	2.67	2.74	11.34	
17	8.8	8.90 ¹¹	9.0	8.65	9.95	8.83	07 18 12	2.80	2.74	11.64	
18	9.2	9.25 ⁰¹	9.3	9.25	9.25	9.25	00 00 00	2.81	2.74	11.99	
19	9.7	9.75 ¹⁰	9.8	9.85	9.75	9.78	03 07 03	2.64	2.74	12.49	
20	10.0	10.00 ⁰⁰	10.0		9.90	9.95	05 05	2.78	2.75	12.75	

124 74

MD series 17.

Scale M. m_c ?
~~MD 2341~~

not MD 2341

alt. cov. .19

	1 st	2 nd	2 nd	Cu	magn
1	3.2			3.13	6.33
2	4.2	4.30	4.4	3.10	7.40
3	5.0	5.10	5.0	3.05	8.15
4	6.0	6.10	6.0	3.11	7.11
5	6.2	6.35	6.5	2.92	9.02
6	7.2	7.10	7.0	2.88	9.23
7	7.3	7.4		2.79	9.89
8	8.2	8.0		2.77	10.12
9	8.5	8.6		2.74	10.84
10	8.4	8.7		2.75	11.29
11	8.8	9.0		2.74	11.29
12	9.5	9.4		2.74	11.64
13	9.9	9.9		2.74	12.19
14	10.0	10.0		2.74	12.64
15				2.74	12.74

76 K

MD Series 17

Scale M.

MD 2343

Art. corr + .16

	1 st	2 nd	2 nd T	Cu	magn
1	4.7 4.5	4.75 ¹⁰ 4.8		3.07	7.82
2	5.4 5.2	5.40 ⁰⁰ 5.4		3.01	8.41
3	6.2 6.0	6.10 ¹¹ 6.0		2.91	9.01
4	7.0 6.8	7.00 ⁰⁰ 7.0		2.80	9.80
5	7.2 7.0	7.20 ⁰⁰ 7.2		2.77	9.97
6		8.00 ⁰⁰ 8.0		2.75	10.75
7		8.10 ¹¹ 8.2		2.74	10.84
8		8.80 ⁰⁰ 8.8		2.74	11.54
9		9.00 ⁰⁰ 9.0		2.74	11.74
10		9.20 ⁰⁰ 9.2		2.74	11.94
11		9.45 ¹⁰ 9.5		2.74	12.19
12		9.85 ⁰¹ 9.8		2.74	<u>12.59</u>
13		n.s.			

Pole Sequences M_D Series 17.Scale M M_D 2344

	1 st	2 nd	2 nd	Par Magn
5	3.4 3.2			3.13 6.53
6	4.0 3.8	4.00 ⁰⁰ 4.0		3.11 7.11
8	5.4 5.2	5.30 ¹¹ 5.2		3.03 8.33
9	6.0 5.8	5.70 ¹¹ 5.8		2.96 8.86
10	6.2 6.0	6.20 ⁰⁰ 6.2		2.90 9.10
11	6.9 6.7	6.85 ¹⁰ 6.8		2.81 9.66
12	7.2 7.0	7.10 ¹¹ 7.0		2.78 9.88
13		7.7 7.60 ¹¹ 7.5		2.76 10.36
14		8.0 8.00 ⁰⁰ 8.0		2.75 10.75
15		8.0 8.10 ¹¹ 8.2		2.74 10.84
16		8.8 8.75 ⁰¹ 8.7		2.74 11.49
17		8.8 9.65 ²¹ 8.6		2.74 11.39
18		9.5 9.25 ⁰² 9.0		2.74 11.99
19		9.9 9.85 ¹⁰ 9.8		2.74 <u>12.59</u>
20				

See page 132

6 K

mD Series 17

Scale M.

mD 2346

act. cor - .04

	1 st	2 nd	2 nd	Cu	Magn
1	7.0 6.8	7.00 ⁰⁰ 7.0		2.80	9.80
2	7.2 7.0	7.20 ⁰⁰ 7.2		2.77	9.97
3		7.75 ⁰¹ 7.8		2.76	10.51
4		8.10 ¹¹ 8.0		2.74	10.84
5		8.30 ¹¹ 8.4		2.74	11.04
6		9.10 ¹¹ 9.0		2.74	11.84
7		9.30 ¹¹ 9.2		2.74	12.04
8		9.50 ⁰⁰ 9.5		2.74	12.24
9		9.90 ¹¹ 10.0		2.74	12.64
10		10.00 ⁰⁰ 10.0		2.74	12.74

101 K

MD series 17.

Scale M.

MD 2347

Act. wave +.06

	1 st	2 nd	2 nd	ln	Magn
1	5.0 4.8	5.000 5.0		3.04	8.04
2	6.0 5.8	6.10 ^{±1} 6.2		2.92	9.02
3	6.2 6.0	6.10 ^{±1} 6.0		2.92	9.02
4	7.0 6.8	7.00 ^{±0} 7.0		2.80	9.80
5		7.2 ^{7.25^{±1}} 7.3		2.77	10.02
6		7.8 ^{7.90^{±1}} 8.0		2.76	10.66
7		8.2 ^{8.30^{±1}} 8.4		2.74	11.04
8		9.2 ^{9.25^{±1}} 9.3		2.74	11.99
9		9.8 ^{9.80^{±0}} 9.8		2.74	<u>12.54</u>
10		M.S.			

126 K

series 17

Scale M.

MD 2348

Alt. corr - .18

	1 st	2 nd	2 nd	Alt	Magn
1	4.7 4.5	4.75 ¹⁰	4.8	3.06	7.81
2	5.7 5.7	5.85 ¹⁰	5.8	2.96	8.81
3	6.8 6.8	7.00 ¹⁰	7.0	2.80	9.80
4		7.30 ¹¹ 7.4	7.2	2.77	10.07
5		7.70 ¹⁰ 7.7	7.7	2.76	10.46
6		8.60 ¹¹ 8.7	8.5	2.74	11.34
7		9.25 ¹⁰ 9.3	9.2	2.74	11.99
8		9.30 ¹¹ 9.4	9.2	2.74	12.04
9		10.00 ¹⁰ 10.0	10.0	2.74	<u>12.74</u>

53 K

m 2349

Red. corr. + 20

	1 st	2 nd	2 nd	Cu	Magn
1	6.0 5.8	5.90 ¹¹ 5.8		2.93	8.83
2	6.7 6.5	6.75 ¹⁶ 6.8		2.83	9.58
3	6.5 6.3	6.40 ¹¹ 6.8	3	2.87	9.27
4	7.2 7.0	7.30 ¹¹ 7.4		2.77	10.07
5		7.80 ⁰⁰ 7.8	7.8	2.75	10.55
6		7.90 ¹¹ 7.8	8.0	2.75	10.65
7		8.80 ⁰⁰ 8.8	8.8	2.74	11.54
8		9.10 ¹¹ 9.2	9.0	2.74	11.84
9		9.45 ¹⁰ 9.5	9.4	2.74	12.19
10		9.70 ⁰⁰ 9.7	9.7	2.74	12.44
11		9.85 ¹⁰ 9.9	9.8	2.74	12.59
12		9.90 ⁰⁰ 9.9	9.9	2.74	12.64

29 K

series 17.

Scale M.

M 2350

Act. corr. +.21

	1 st	2 nd	2 nd	Cu	Magn
1	4.2 4.0	4.35 4.5	2.1	3.10	7.45
2	4.4 4.2	4.70 5.0	2.3	3.07	7.77
3	6.2 6.0	6.10 6.0	1.1	2.92	9.02
4	6.6 6.4	6.50 6.7	0.1	2.84	9.49
5		7.8 7.65	2.1	2.76	10.41
6		7.8 7.85	0.1	2.75	10.60
7		8.0 8.0	0.0	2.75	10.75
8		8.8 8.8	0.0	2.74	11.54
9		9.8 9.8	0.0	2.74	12.54
10		10.0 10.0	0.0	2.74	12.74

Pole Plate.

Series 17.

Scale M

m 2351

	1 st	2 nd	2 nd	Lu	Magn
5	3.4 3.2			3.13	6.53
6	4.0 3.8			3.10	7.16
8	5.2 5.0	5.10 ¹¹	5.0	3.05	8.15
9	5.9 5.7	5.90 ⁰⁰	5.9	2.95	8.85
10	6.0 5.8	6.00 ⁰⁰	6.0	2.93	8.93
11	6.7 6.5	6.60 ¹¹	6.5	2.85	9.45
12	7.2 7.0	7.10 ¹¹	7.0	2.79	9.89
13		7.70 ⁰⁰	7.7	2.76	10.46
14		7.75 ¹²	7.7	2.76	10.61
15		8.15 ²¹	8.0	2.75	10.90
16		8.85 ⁰¹	8.0	2.74	11.59
17		8.95 ²⁰	8.9	2.74	11.69
18		9.25 ⁰¹	9.2	2.74	11.99
19		9.75 ⁰¹	9.2	2.74	12.49
20		9.90 ⁰⁰	9.8	2.74	12.64

See page 132

March 21, 1918

R V Ophiuchi meas. by direct estimate
on AC and AM plates. ^{by measures} For magnitudes
employed for Comp. Star,
etc page 128.

9 55

Copied from Book 14
p. 38, last column

Magnitudes
employed

AM 5429 ✓
9.4

AC 3651 ✓
9.5

Des Magn.

a 9.3

AC 2728 ✓

AC 3693 ✓

b 9.8

10.9

9.5

b' 10.1

d 10.8

AM 3566 ✓

AC 1749 ✓

e 10.8

9.4

9.5

f 10.9

f' 11.2

AC 3899 ✓

AC 1781 ✓

c 11.6

9.4

9.4 poor

g 12.1

h 12.4

AC 3977 ✓

AC 1821 ✓

k 12.7

9.4

9.4

l 13.0

m 13.0

AM 10 ✓

AC 1859 ✓

n 13.5

9.5

9.6

o 13.8

p 14.1

^b
AM 2815 ✓

AC 2485 ✓

q 14.4

9.4

n.s. < 9.3 very poor

r 14.3

AC 3503 ✓

AC 1019 ✓

9.5 fogged.

9.5

AC 3599 ✓

AC 1325 ✓

9.5

9.4 fogged.

a.s. b. def.

RV Ophiuchi (cont)

AC 1390 ✓
long trails and
diff. due to sup.

AC 1461 ✓
9.5

AC 1511 ✓
10.8

AC 1517 #
9.6 im. abt.

AC 1518
9.6 im. abt.

AC 1522
iso.

AC 843 ✓
9.4

AC 855 ✓
9.4

AC 910 ✓
n.s. < 9.3 n. p.

AC 929 ✓
9.5 im. abt.

AC 1571
does not cover reg.

AC 1584 ✓
n.s. < 9.3

AC 1621
too poor. focus plate.

AC 1624 focus plate.
AC 1632 too near edge.

AC 1675 ✓
9.4

AC 2553 ✓
11.8

AC 2580 ✓
9.6 im. abt. difficult trailer

AC 2625 ✓
9.6 fogged.

AC 2673
9.4

R V *Alphineus* (cont.)

AC 2771 ✓

9.3

AM 1251 ✓

10.9

AC 2788 ✓

9.5

AM 1270 ✓

11.6

AC 3725 ✓

9.5

AM 1287 ✓

9.4

AC 3787 ✓

9.5

AM 1424 ✓

9.4

AC 3812 ✓

9.5

AM 800 ✓

9.5

AC 3889 ✓

9.4

AM 897 ✓

9.5

AC 325 ✓

does not show as 'a'

AM 911 ✓

9.6 no var. on ^{diff. exps.} ~~baseline~~

AC 360 ✓

9.5

AM 646 ✓

9.4

AC 361 ✓

too poor

AM 920 ✓

9.6 no var. on ^{diff. exps.} ~~baseline~~

AM 1237 ✓

9.5

AM 921 ✓

9.6 no var. on ^{diff. exps.} ~~baseline~~

R V Ophiuchi (cont) 11.09

AM 931 ✓
9.5 inv. abt.AM 2119 ✓
9.4AM 1021 ✓
9.4AM 2137 ✓
9.5AM 1051 ✓
9.4AM 2245 ✓
9.5AM 1448 ✓
9.4AM 2660 ✓
9.3AM 1483 ✓
9.4AM 2714 ✓
9.5AM 1489 ✓
off edge.AM 2767 ✓
9.6AM 1553 ✓
9.4 scratch near var.AM 2796 ✓
10.9AM 1554 ✓
off edge.AM 2855 ✓
9.4AC 362 ✓
off edge.AM 2915 ✓
9.5AC 780 ✓
9.5AB 5058 ✓
9.5

11.10

AM 5071 ✓
9.5

AM 4535 ✓
9.5

AM 5087 ✓
9.4

AM 4546 ✓
9.5

AM 5164 ✓ *inv. def. scratch.*
9.5

AM 4624 ✓
9.4

AM 5175 ✓
9.6

AM 4655 ✓
9.4

AM 4796
too poor.

AM 4787 ✓
9.3

AM 4801 ✓
11.6 *film def.*

AM 4995 ✓
9.5 *no var. in diff. exp. traces.*

AM 4803
too poor.

AM 5012 ✓
too poor.

AM 4817 ✓
9.4

AM 5021 ✓
9.4

AM 4941 ✓
9.4

AM 2958 ✓
9.9

AM 4962 ✓
9.5

AM 2995 ✓
9.5

AM 3422 ✓

9.4

AM 4371 ✓

9.4

AM 3449 ✓

11.6

AM 4393 ✓

9.6

AM 3561 ✓

11.5? film def. in rug.

AM 3739 ✓

9.3

AM 2260 ✓

9.4

AM 3811

9.4 edge.

AM 2279 ✓

9.3

AM 3835 ✓

9.4

AM 2573 ✓

9.4

AM 3839

off edge.

AM 2619 ✓

9.3

AM 3882 ✓

9.5

AM 4271 ✓

9.5

AM 3921 ✓

9.4

AM 4313 ✓

9.4

AM 3464 ✓

9.4

AM 4354 ✓

9.4

AM 3505 ✓

9.4

RV Ophiuchi cont.

AM 3651 ✓

9.4

AM 2110 ✓

9.5

AM 3688 ✓

9.5

AC 1682

does not cover up; not ident

AM 3726 ✓

9.4

11.50

AM 4150 ✓

11.6

AM 4190 ✓

9.4

AM 4196 ✓

Poss plate; obj. in pos. of var
much br. than "a", may be def.?

AM 4244 ✓

9.4

AM 4414

off edge.

AM 1915

9.4

AM 1953 ✓

9.4

March 22, 1918

149

Pole Sig. MD series 17.

Scale M. MD 2340

	1 st	2 nd	2 nd			ln Magn
5	3.4 3.2		3.4	2.40 ⁰⁰	3.09	3.10 6.50
6	4.0 3.8 4.00 ⁰⁰	4.0	4.00	4.00 ⁰⁰⁰⁰	3.11	3.06 7.06
8	5.2 5.0 5.20 ⁰⁰	5.2	5.10	5.15 ⁰⁵⁰⁵	3.08	2.98 8.18
9	6.0 5.8 6.00 ⁰⁰	6.0	5.85	5.92 ⁰⁸⁰⁷	2.91	2.90 8.90
10	6.2 6.0 6.20 ⁰⁰	6.2	6.00	6.10 ¹⁰¹⁰	2.92	2.86 9.06
11	7.0 6.8 7.00 ⁰⁰	7.0	6.85	6.92 ⁰⁸⁰⁷	2.63	2.76 9.76
12	7.2 7.0 7.10 ¹¹	7.0	7.10	7.10 ⁰⁰⁰⁰	2.76	2.75 9.85
13	7.8 7.8 7.75 ⁰¹	7.7	7.75	7.75 ⁰⁰⁰⁰	2.55	2.69 10.44
14	8.0 8.0 8.00 ⁰⁰	8.0	8.00	8.00 ⁰⁰⁰⁰	2.65	2.68 10.68
15	8.4 8.4 8.30 ¹¹	8.2	8.20	8.25 ⁰⁵⁰⁵	2.83	2.67 10.97
16	8.8 8.8 8.75 ⁰¹	8.7	8.70	8.72 ⁰³⁰⁷	2.68	2.65 11.40
17	9.0 9.0 8.90 ¹¹	8.8	8.85	8.88 ⁰²⁰³	2.75	2.64 11.54
18	9.4 9.4 9.40 ⁰⁰	9.4	9.40	9.40 ⁰⁰⁰⁰	2.66	2.64 12.04
19	9.9 9.9 9.90 ⁰⁰	9.9	9.80	9.85 ⁰⁵⁰⁵	2.57	2.63 12.53
20						

150

Scale M

1241K

Series 17

MD 2341

	1 st	2 nd	3 rd	Cu	Magn
1	6.2 6.0	6.25 ⁰⁰	6.2	2.87	9.07
2		8.0	7.90 ¹¹	2.67	10.57
3			7.90 ¹¹	2.67	10.57
4	6.7 6.5	6.70 ⁰⁰	6.7	2.80	9.50
5		8.0	8.25 ²³	2.67	10.92
6		8.5	8.50 ⁰⁰	2.66	11.16
7		9.3	9.25 ¹⁰	2.64	11.89
8		9.8	9.75 ⁰¹	2.63	12.38
9		9.9	9.90 ⁰¹	2.62	12.52
10		n.s.			

Pole sig.

series 17.

Scale M

	1 st	2 nd	3 rd	Cu	Magn
5	3.4 3.2			3.10	6.50
6	4.0 3.8	4.00 ⁰⁰	4.0	3.06	7.06
8	5.2 5.0	5.10 ¹¹	5.0	2.99	8.09
9	5.9 5.7	5.85 ¹⁰	5.8	2.92	8.77
10	6.0 5.8	6.00 ⁰⁰	6.0	2.90	8.90
11	6.7 6.5	6.85 ¹¹	7.0	2.78	9.63
12	7.1 6.9	7.10 ⁰⁰	7.1	2.75	9.85
13		7.8 7.75 ⁰¹ 7.7		2.69	10.44
14		8.0 8.00 ⁰⁰ 8.0		2.68	10.68
15		8.3 8.20 ¹¹ 8.1		2.67	10.87
16		8.8 8.70 ¹¹ 8.6		2.65	11.35
17		8.9 8.85 ¹⁰ 8.8		2.64	11.49
18		9.5 9.40 ¹¹ 9.3		2.63	12.03
19		9.8 9.80 ⁰⁰ 9.8		2.62	12.42
20					

March 22, 1918

R V Ophiuchi meas. by direct estimate

AC 8556 ✓
9.3

AC 6863 ✓
9.4

AC 8565 ✓
t. p.

AC 7048 ✓
9.3 from plate, fogged.

AC 8590 ✓
9.3

AC 7476 ✓
9.4

AC 8642 ✓
9.3

AC 7596 ✓
9.4

AC 8662 ✓
9.4

AC 7662 ✓
9.5

AC 8732 ✓
off edge.

AC 7719 ✓
9.4

AC 8763 ✓
9.3

AC 4986 ✓
9.4

AC 8895
off edge.

AC 5098 ✓
9.5 fogged.

AC 9493
t. p.

AC 5199 ✓
9.7

AC 9570 ✓
9.4

AC 5328 ✓
9.5

AC5561 ✓

9.5

AM8686 ✓

9.4

AC6124 ✓

9.7 fogged.

AM8725 ✓

m.s. < 11.2

AC6156 ✓

9.3

AM8908 ✓

9.3

AC6246 ✓

9.3

AM7077 ✓

9.3

AM8532 ✓

9.4

AM7096 ✓

9.4

AM8543

9.4

AM7107 ✓

9.3

AM8551 ✓

9.3

AM8345 ✓

9.4

AM8592 ✓

9.4

AM8403 ✓

9.3

AM8603 ✓

9.4

AM8415 ✓

9.4

AM8659 ✓

9.2 trailed

AM8477 ✓

9.4

AM8945 ✓
9.4

AC4923 ✓
9.3

AM8968 ✓
9.4

AC4949 ✓
9.4

AM9029 ✓
n.s. < 10.2

AC6323 ✓
9.3 fogged.

AM9079 ✓
9.3

AC6393 ✓
9.3

AM9107 ✓
9.3

AC6476 ✓
9.4 poor focus.

AM9299 ✓
br about .67 "b"
c.s. "a" def.

AC6537 ✓
9.3

AM9313 ✓
9.3

AC6544 ✓
9.4

AM9431 ✓
9.3

AC6576 ✓
9.4

^c
~~AM~~ 4864 ✓
9.4

AC6713 ✓
9.4

AC4901 ✓
trailed t.p.

AC6758 ✓
9.4

AC 7805 ✓

9.4

AC 11880 ✓

9.4

AC 7855 ✓

9.4

AC 11885 ✓

too poor; badly stained

AC 7954 ✓

9.4

AC 11886 ✓

t.p.

AC 8456 ✓

9.3

AC 11902 ✓

9.3

AC 8483 ✓

9.3

AC 11938 ✓

9.4

AC 8513 ✓

9.4

AM 7423 ✓

9.3

AM 5689 ✓

10.9

AM 7581 ✓

9.4

AM 5741 ✓

10.9

AM 7599 ✓

9.4

AM 5806 ✓

12.1

AM ⁷⁷¹⁷~~7670~~

n.s. < 9.8

AM 5814 ✓

9.4

AM 7670 ✓

9.4

AM 7758 ✓

9.4

AM 8239 ✓

9.4

AM 7826 ✓

9.4

AM 8248 ✓

9.4

AM 7121 ✓

9.4

AM 8309 ✓

9.4

AM 7177 ✓

9.4

AM 5398 ✓

9.4

AM 7279 ✓

9.4

AM 5495 ✓

9.4 no var. in ^{exp.} ~~bracket~~

AM 7291 ✓

9.4

AM 5499 ✓

9.4

AM 7860 ✓

9.3

AM 5621 ✓

ln 57 "b"
c.s. "a" def.

AM 8120 ✓

9.4

AM 5633 ✓

9.3 trailed (3 in.)

AM 8128 ✓

9.4

AM 5645 ✓

9.4

AM 8197 ✓

9.3

AM 6126 ✓

11.3

AM6144 ✓
9.4

AC9620 ✓
9.3

AM6166 ✓
9.4

AC9633 ✓
9.3

AC11808 ✓
9.3

AC9661 ✓
frans plate

AC11839 ✓
frans plate.

AC9690 ✓
9.4

AC9927 ✓
off ridge

AM6325 ✓
9.5

AC9955 ✓
off ridge

AM6389 ✓
9.4

AC10532 ✓
9.4

AM6⁴41 ✓
t.p.

AC10592 ✓
9.3

AM6505 ✓
9.4

AC10701 ✓
9.3

AM6172 ✓
9.4

AC10826 ✓
9.4

AM6192 ✓
9.4

AM6251 ✓

n.s. < 11.6

AM6257 ✓

9.4

AM6539 ✓

smashed

AM6544 ✓

smashed.

AM6920 ✓

9.4

AM6937 ✓

9.4

AM6983 ✓

9.4

AM7029 ✓

11.6

AM7057 ✓

9.3

^b
~~AM~~ 9584 ✓

9.5

AC9594 ✓

 n.s. < 9.8 { c.s. "b" has pole up }
 T' plate. { sup.

AC9728 ✓

9.5

AC9776 ✓

9.4

AC9810 ✓

9.4

AC9923 ✓

9.4

AC10854 ✓

9.3

AC10916 ✓

9.3

AC11695 ✓

9.3

AC11701 ✓

9.4

AC11745 ✓

9.4

ac 11777 ✓
9.4

March 23, 1918

RV Ophiuchi

AM 12257 J

9.4

AC 17688 J

9.4

AM 12241 J

9.4

AC 17695 J

9.4

AM 12267 J

9.4

AC 17770 J

9.4

AM 12271 J

9.4

AC 15508 J

9.4

AM 13168

9.4

AC 16155 J

9.5

AC 19048 J

9.6

AC 14502 J

9.4

AC 19221

9.4

AC 15164 J

9.4

AC 19300 J

t. p.

AC 15218 J

9.4

AM 10109 J

9.4

AC 15257 J

9.2

AC 17663 J

9.4

AC 13215 J

9.3

AC 13369 ✓
9.3

AM 9509 ✓
9.4

AC 13437 ✓
9.4

AM 9530 ✓
9.3

AC 14070 ✓
9.4

AM 9738 ✓
9.4

AC 14114 ✓
9.4

AC 17803 ✓
11.0

AC 14119 ✓
9.4

AC 17371
L'

AM 11094 ✓
9.4

AC 17547 ✓
9.4

AC 12402 ✓
11.5

AC 16646 ✓
9.3

AC 12453 ✓
9.3

AC 16680 ✓
9.2

AM 10350 ✓
n.s. < 9.3

AC 16807 ✓
9.3

AM 10356 ✓
9.6

AM 10122 ✓
9.3

AM 11269 ✓
9.4

AM 10832 ✓
9.3

AC 17972 ✓
9.4 *inv. trailed*

AC 12497 ✓
9.4

AC 19015 ✓
n.s. < 10.9

AC 12563 ✓
9.4

AC 19041 ✓
9.3

AC 12578 ✓
9.4

AM 12248 ✓
9.4

AC 12700 ✓
9.5 *inv. trailed*

AM 10000 ✓
9.3

AC 13300 ✓
9.3

AM 10034 ✓
9.3

AC 13164 ✓
9.3

AM 10750 ✓
10.9

AC 13169 ✓
9.3

AM 10770 ✓
9.3

AC 13199 ✓
9.4

AM 10797 ✓
9.3

AC 14133 ✓
9.4

AC 14234 ✓

9.3

AC 14246 ✓

9.4

AC 14297 ✓

9.3

AC 14435 ✓

9.4

AC 15268 ✓

9.4

AC 15299 ✓

9.3

AC 15329 ✓

9.4

AC 15341 ✓

9.4

AC 15345 ✓

9.4

AC 15383 ✓

9.4

AM 4980 to badly broken to broken ✓

AM 4977 " " " " ✓

AM 40³₂

+ p.

AM 1436 no plate in cover.

AM 1961 ✓

9.5

AM 4083 ✓

9.4 plate broken in reg.

AM 1574 ✓

9.3

AM 1454 ✓

9.4

AM 797

9.4

AM 916 class B. ✓

1 9.5

9 m.s. < 11.6

2 9.5

10 m.s. < 11.6

3 9.5

11 m.s. < 11.6

4 9.6

12 m.s. < 11.6

5 9.7

13 m.s. < 11.6

6 10.8

14 10.6

7 10.8

15 10.2

8 11.6

16 m.s. < 9.3

March 29, 1918

Region of 17 + 15 glanced over for only minima.

AC 1469 ✓
10.0AC 6779 ✓
9.8AC 8635 ✓
10.8AC 18036 ✓
n.s. < 10.1AC 15288 ✓
9.8AC 10688 ✓
n.s. < 9.8.AM 598 ✓
n.s. < 11.6Class b plates of this reg. show
no variation
No broken plates exam. in this
reg.AM 7245 ✓
n.s. < 11.2AM 9249 ✓
11.2AM 1192 ✓
n.s. < 10.1AM 3639 ✓
11.0AM 7128 ✓
11.3.AM 5581 ✓
11.5AC 9673 ✓
9.7AC 5332 ✓
10.8Examined. 222 + 144 = 366
13 multiple image platesAC 8884 ✓
9.8

Remeasurement of plates South up.

AM 916 Class B. ✓

1	9.8 ⁵	9m.S 11.6
2	9.5	10m.S < 11.6
3	9.5	11m.S < 11.6
4	9.6	12m.S < 11.6
5	9.7	13m.S < 11.6
6	9.9	14 10.6
7	10.7	15 10.2
8	11.6	16m.S < 9.3

AM 797 ✓
9.3AM 1454 ✓
9.4AM 1574 ✓
9.4

AC 4083 ✓

If I have a meas. of this
I can't get it any more
as the var. was near the
cracks of a broken plate
and the film is now
gone.

AM 1961 ✓
9.6

166

58

April 9, 1918
 R V Ophiuchi.

AC 3503 ✓

9.6

AM 1287 ✓

9.4

AC 910 ✓

+ p.

AM ~~1287~~ 360 ✓

9.3

AM 1542 ✓

9.4

AM 1270 ✓

11.7

AC 855 ✓

9.6

AC 325 ✓

out of focus.

AC 843 ✓

9.4

AC 1518

9.6 two exp.

AM 1483 ✓

9.3

AM 2137 ✓

9.4

AC 780 ✓

9.3

AM 1517 ✓

9.6 two exp.

AM 1448 ✓

9.4

AM 2110 ✓

9.3

AM 1424 ✓

9.4

AC 1511 ✓

10.9

AC 361 ✓

+ p.

AM 2119 ✓

9.3

April 9, 1918
R V Ophiuchi

AC1461 ✓
9.4

AC1749 ✓
9.4

AM1953 ✓
9.3

AM2915 ✓
9.3

AC1290 ✓
9.4 ? trailed

AC1730 ✓
9.4

AM1918 ✓
9.4

AM2855 ✓
9.4

AC1325 ✓
9.4

AC1682 ✓
+ f.

AC1019 ✓
9.5

AM2796 ✓
10.9

AC1553 ✓
9.4

AC1675 ✓
9.6

AC929 ✓
9.4

AM2767 ✓
9.4

AC1781 ✓
9.5

AC1632 ✓
9.3

AM2958 ✓
9.9

AM2714 ✓
9.4

April 9, 1918
R V Ophiuchi

AC 1624

t.p.

AM 3739 ✓

9.3

AM 2660 ✓

9.4

AC 2788 ✓

9.5

AC 1621

t.p.

AM 3726 ✓

9.5

AM 2573 ✓

9.4

AC 2771 ✓

9.3

AC 1584 ✓

n.s. < 9.3

AM 3688 ✓

9.4

AM 2245 ✓

9.4

AM ^C~~27~~ 2728 ✓

11.0

AM 2279 ✓

9.3

AM 3651 ✓

9.4

AM 2260 ✓

9.4

AC 2673 ✓

9.3

AM 3811 ✓

9.4

AM 3566 ✓

9.3

AC ~~28~~ 2815 ✓

9.4

AC 2625 ✓

9.5

April 9, 1918

R & C phinchi

AM 3561 ✓

11.6

AM 2995 ✓

9.4

AC 2580 ✓

9.4

AM 28 ✓

9.4

AM 3505 ✓

9.5

AM 4271 ✓

9.5

AC 2553 ✓

12.1

AM 10 ✓

9.5

AM 3464 ✓

9.3

AM 4244 ✓

9.4

AC 2485 ✓

9.4

AC 3977 ✓

9.4

AM 3449 ✓

11.6

AM 4196 ✓

m.s.c 9.3

AC 1859 ✓

9.6

AC 3899 ✓

9.6

AM 3422 ✓

9.4

AM 4190 ✓

9.4

AC 1821 ✓

9.4

AC 3889 ✓

9.4

April 9, 1918
R & Ophiuchi

AM 4150 ✓

11.7

AM 818 ✓

9.3

AC 3812 ✓

9.5

AM 4655 ✓

9.6

AM 3921 ✓

9.4

AM 800 ✓

9.4

AC 3787 ✓

9.5

AM 4624 ✓

9.4

AM 3882 ✓

9.5

AM 646 ✓

9.5

AC 3725 ✓

9.5

AM 4546 ✓

9.4

AC 3651 ✓

9.5

AM 622 ✓

9.5

AM 3835 ✓

9.4

AM 4535 ✓

9.4

AC 3599 ✓

9.5

AM 576 iso.

AM 556 iso.

AM 4787 ✓

9.4

AM 4393 ✓

9.6

April 9, 1918

R V Ophiuchi

AM 473 ✓

9.4

AM 5087 ✓

9.3

AM 4371 ✓

9.4

AC 5058 ✓

9.4

AM 403 ✓

9.4

AM 5021 ✓

9.4

AM 4354 ✓

9.4

AM 1251 ✓

11.4

AM 153 ✓

9.5 two exp

AM 5012 ✓

+ p.

AM 4313 ✓

9.4

AM 1237 ✓

9.5

AM 5429 ✓

9.3

AM 1051 ✓

9.3

AM 5175 ✓

9.4

AM 4962 ✓

9.4

AM 5164 ✓

9.4

AM 1021 ✓

9.3

~~AM 5164~~~~9.5~~

AM 4941 ✓

9.4

172

April 9, 1918
RV OphiuchiAM 931
9.4AM 4817
9.4AM 4801
11.6AM 4796
+ p.AM 897
9.4AM 5071
9.4

4 50

11.15

April 12, 1918
 R V Ophiuchi.

AM 5621 ✓

9.3 c.s. "a" def.

AM 6172 ✓

9.4

AM 5633 ✓

9.4

AC 8556 ✓

9.5

AM 5645 ✓

9.4

AC 8568 ✓

+ f.

AM 5689 ✓

11.0

AC 8590 ✓

9.4

AM 5741 ✓

11.1

AC 8642 ✓

9.4

AM 5806 ✓

n.s. < 12.1

AC 8662 ✓

9.5

AM 5814 ✓

9.4

AC 8763 ✓

9.4

AM 6126 ✓

11.2

AC 9493

+ f.

AM 6144 ✓

9.4

AC 9570 ✓

9.4

AM 6166 ✓

9.5

AC 9633 ✓

9.5

April 12, 1918

RV Ophiuchi

AC 9661 ✓

t p.

AC 4864 ✓

9.4

AC 9690 ✓

9.4

AC 4923 ✓

9.4

AM 8120 ✓

n.s. 9.3

AC 4949 ✓

9.4

AM 8128 ✓

9.4

AC 4986 ✓

9.4

AM 8197 ✓

9.4

AC 5098 ✓

9.6 for.

AM 8239 ✓

9.4

AC 5199 ✓

9.7

AM 8248 ✓

9.5

AC 5227 ✓

9.3

AM 8309 ✓

9.5

AC 10532 ✓

9.3

AM 8345 ✓

9.4

AC 10592 ✓

9.3

AM 8403 ✓

9.3

AC 10637 ✓

9.4

April 12, 1918

RV Ophiuchi

AC 10701 ✓

9.5

AC 6323 ✓

9.3

AC 10826 ✓

9.3

AC 6393 ✓

9.4

AC 10854 ✓

9.5

AC 11701

9.4

AC 10916 ✓

9.4

AC 11745 ✓

9.4

AC 11695 ✓

9.4

AC 11759 ✓

9.5

AC 5328 ✓

9.6

AC 11777 ✓

9.5

AC 5561 ✓

9.6 for

AC 11808 ✓

9.4

AC 6124 ✓

9.6 for

AC 6421 ✓

9.4

AC 6156 ✓

t. p.

AC 6476 ✓

9.4

AC 6246 ✓

9.5

AC 6537 ✓

9.4

April 12, 1918

RV Ophiuchi

AC 6544[✓]

9.4

AM 5398[✓]

9.4

AC 6576[✓]

9.4

AM 5499[✓]

9.3

AC 6713[✓]

9.4

AM 5569[✓]

9.4

AC 6758[✓]

9.4

AM 6505[✓]

9.6

AC 6863[✓]

9.5

AM 6605[✓]

9.4

AC 7048[✓]

9.4 for

AM 6920[✓]

9.4

AC 11867[✓]

9.4

AM 6937[✓]

9.4

AC 11880[✓]

9.4

AM 6983[✓]

9.4

AC 11902[✓]

9.4

AM 7029[✓]

11.6

AC 11938[✓]

9.4

AM 7057[✓]

9.4

April 12, 1918

R V Ophiuchi

AM 7077 ✓
9.4

AM 7121 ✓
9.4

AM 8686 ✓
9.4

AM 7177 ✓
9.4

AM 8725 ✓
n.s. < 11.2

AM 7279 ✓
9.4 badly stained

AM 8908 ✓
9.5

AM 7291 ✓
9.4

AM 8945 ✓
9.4

AM 7423 ✓
9.4

AM 8968 ✓
9.4

AM 9107 ✓
9.4

AM 9029 ✓
n.s. < 10.8

AM 9299 ✓
9.4 "a" def.

AM 9079 ✓
9.4

AM 9313 ✓
9.4

AM 7096 ✓
9.5

AM 9431 ✓
9.4

AM 7107 ✓
9.4

AM 7581 ✓
9.4

April 12, 1918

R V Ophiuchi

AM 7599 ✓
9.4AC 7476 ✓
9.4AM 7670 ✓
9.4AC 7550 ✓
11.7AM 7717 ✓
n.s. < 9.3AC 7596 ✓
9.4AM 7758 ✓
9.5AC 7662 ✓
9.6AM 7826 ✓
9.3AC 7719 ✓
9.4AM 7860 ✓
9.3AC 7805 ✓
9.5^C
~~AM~~ 7954 ✓
9.4AC 7855 ✓
9.4AC 8456 ✓
9.4AC 9584 ✓
9.3AC 8483 ✓
9.4AC 9594 ✓
n.s. < 9.8AC 8513 ✓
9.4AC 9620 ✓
9.4

April 12, 1918

RV Ophiuchi

AC 9728✓

9.4

AM 8477✓

9.4

AC 9776✓

9.4

AM 8532✓

9.4

AC 9810✓

9.4

AM 8543✓

9.4

AC 9923✓

9.4

AM 8551✓

9.4

AM 6192✓

9.4

AM 8592✓

9.4

AM 6251✓

m.s. < 11.2

AM 8603✓

9.3

AM 6257✓

9.3

AM 8659✓

9.4

AM 6325✓

9.3

AM 6539 + 6544

swashed in transit

AM 6389✓

9.4

AM 8415✓

9.4

12 30

May 6, 1918

Q V Ophiuchi (cont.)

12 24

AC 11867 ✓

9.3

AM 1918 ✓

9.4

AM 6605 ✓

9.4

AM 1553 ✓

9.5

AM 9232 ✓

9.4

AC 910 too poor.

AC 1390 too poor. 9.4?

est. from b. im. of trail.

AC 5227 ✓

9.4

AC 1632 near edge poor.

AC 6156 ✓

n.s. < 9.3 poor; foggy

AC 1730 ✓

9.4

AC 7550 ✓

11.8

AM 153 ✓

9.5

AC 10637 ✓

9.4

AM 473 ✓

9.4

AC 11759 ✓

9.5

AM 622 ✓

9.5

AM 3675 multiple

AM 818 ✓

9.3

AM 2619 ✓

9.4

AM 911 multiple

AM 920 "

AM 921 "

May 6, 1918
RV Ophiuchi

AM 1542 ✓
9.5

AC 13437 ✓
9.4

AC 14435 ✓
9.6

AC 14070 ✓
9.4

AC 14502 ✓
9.3

AC 14114 ✓
9.4

AC 15164 ✓
9.3

AC 13215 ✓
9.4

AC 15218 ✓
9.4

AC 13300 ✓
9.4

AC 14234 ✓
9.3

AC 13369 ✓
9.4

AC 14246 ✓
9.5

AC 13164
9.4

AC 14297 ✓
9.3

AC 13169 ✓
9.4

AC 14119 ✓
9.3

AC 13199 ✓
9.4

AC 14133 ✓
9.3

AC 12497 ✓
9.4

May 6, 1918
RV Ophiuchi

AC 125631

9.4

AC 153411

9.3

AC 125781

9.4

AC 153291

9.4

AC 127001

9.5

AC 161551

9.4

AC 124531

9.4

AC 155081

9.4

AC 124021

11.6

AC 168071

9.4

AC 152991

9.4

AC 166461

9.4

AC 152681

9.4

AC 166801

9.3

AC 152571

9.3

AM 134101

9.4

AC 153831

9.3

AM 133111

9.4

AC 153451

9.4

AM 132691

9.4

May 6, 1918
RV Ophiuchus

AM 13263 ✓

9.4

AM 10830 ✓

9.4

AM 13168 ✓

9.5

AM 10797 ✓

9.4

AM 12271 ✓

9.4

AM 10770 ✓

9.4

AM 12267 ✓

9.4

AM 10750 ✓

10.7

AM 12257 ✓

9.4

AM 10356 ✓

9.4

AM 12248 ✓

9.4

AM 10350 ✓

n.s. < 9.3

AM 12241 ✓

9.4

AM 10122 ✓

9.4

AM 11269 ✓

9.4

AM 10109 ✓

9.4

AM 11094 ✓

9.4

AM 9509 ✓

9.4

AM 10974 ✓

9.4

AM 9539 ✓

9.4

May 6, 1918

R & Ophiuchus

AM 9738 ✓

9.4

AC 18608 ✓

9.4

AM 10000 ✓

9.4

AC 18808 ✓

9.4

AM 10034 ✓

9.4

AC 18912 ✓

9.4

AC 17547 ✓

9.3

AC 19015 ✓

m.s. < 10.9

AC 17663 ✓

9.4

AC 19041 ✓

9.3

AC 17688 ✓

9.4

AC 19048 ✓

9.5

AC 17695 ✓

9.4

AC 19221 ✓

9.4

AC 17770 ✓

9.4

AC 19300 too faint

AC 17803 ✓

11.2

AC 3693 ✓

9.4

AC 17972 ✓

9.4

1-19

May 10, 1918

RS Tauri suspected to be fainter than normal
by Prof. ^{Barletton} Wilson on April 12 (13.0 magnitude) normal
magn. about 9.1

No plate taken April 12, 1918.

Nearest to date April 15, AC 20048.

Exceedingly poor plate Magn. about 9.0

186

Series 696

Tuesday Nov. 19, 1918

Sheet no 165

Scale M.

B52664

C 5

Series Plate.

1. 25

	1 st	2 nd	2 nd	
1	4.1 3.9	4.05 4.0		3.11
2	5.2 5.0	5.10 5.0		2.92
3	5.1 4.9	5.05 5.0		3.12
4a	5.5 5.3	5.45 5.4		2.92
5	5.6 5.8	5.55 5.9		2.99
6	6.1 5.9	5.95 5.8		3.21
8	6.4 6.2	6.40 6.4		3.15
9	6.7 6.5	6.70 6.7		3.02
10	6.9 6.7	6.95 7.0		3.06
12	6.8 7.6	6.95 7.0		3.31
12a	7.2 7.0	7.20 7.2		
13	7.0 7.2	7.5 7.5	7.10 7.5	3.06
14a		7.7 7.9	7.75 7.95	3.20
15		7.9 7.95	8.0 8.05	3.21
16		7.9 7.95	8.0 8.05	3.41
18		8.7 8.7	8.3 8.3	3.32
19		8.7 8.7	8.80 8.9	3.25
20		8.8 8.8	8.85 8.9	3.37
21		9.0 9.0	9.00 9.0	3.69
22	8.7	8.6 8.7	8.7 8.7	4.34
23		9.7 9.7	9.70 9.7	3.49
24		9.9 9.9	9.9 9.9	3.58
25				
27				
28		n.s.		
29		n.s.		

P.C.

1 st	2 nd	2 nd
8.5	8.40 8.3	-0.38
9.5	9.55 9.6	-1.35

* Wrong unit.

03 52664

C 5

Diffraction images.

Scale M.

	g		h	
1	7.5	7.25_{25}^{25}	7.0	-0.09
2	8.2	8.10_1^1	8.0	-0.08
4	8.2	8.10_1^1	8.0	+0.10
4a	8.8	8.75_{05}^{05}	8.7	-0.38
5	8.9	8.85_{05}^{05}	8.8	+0.09
6	9.0	9.00_0^0	9.0	+0.16
8	9.8	9.80_0^0	9.8	*0.25
8	10.0	9.95_{05}^{05}	9.9	-0.23
10	10.0	10.00_0^0	10.0	+0.01
12				

Scale M.

Series Plate

alt con - 0.9

B52665

Carte

7h. - 51.5

	1 st	2 nd	2 nd				
1	3.7 3.5	3.7 3.5	3.70 3.75	.	.	p. c. 2 nd 2 nd	
2	3.7 3.5	3.8 3.6	3.75 3.75	.	.	7.9 8.5	-1.00 6.95
3	4.2 4.0	4.35 4.5		3.14	7.49		
4	4.9 4.7	4.95 5.0		3.10	8.05		
5	6.0 5.8	6.0 6.0		3.08	9.08		
6	6.5 6.3	6.65 6.8		3.11	9.76		
7	7.2 7.0	7.10 7.0		3.14	10.24		
8		7.7 7.75	7.8	3.22	10.97		
9		8.0 8.0	8.0	3.24	11.24		
10		8.0 8.0	8.0	3.24	11.24		
11		8.7 8.7	8.7	3.35	12.05		
12		9.0 9.0	8.8	3.38	12.28		
13		9.5 9.5	9.5	3.47	12.97		
14		9.9 9.9	9.8	3.52	13.37		
15		n.s.		.			

Series plate.

Scale M.

Carte.

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
1	6.0	6.2	6.0	6.2	6.0	6.2			
2	7.0	7.2	6.7	7.0	7.0	6.9	- 0.19	6.81	
3				8.0	8.0	8.0	- 0.27	7.73	
4				9.0	8.9	8.9	- 0.28	8.67	
5				9.3	9.4	9.5	- 0.27	9.13	
6				10.0	10.0	10.0	- 0.25	<u>9.75</u>	
7									
8									
9									

Scale M.

B52667

Series plate.

Z Puppis.

alt-corr. +01

Copied Bl 44:134

P.C.

	1 st	2 nd	2 nd		
difficult	4.7	5.00			
a	4.5	2.2	5.3	3.10	8.10
b	5.2	5.10	5.0	3.09	8.19
c	6.5	6.65	6.8	3.12	9.77
d	6.4	6.15	5.9	3.09	9.24
d'	7.2	7.75	8.2	3.22	10.92
e	7.0	7.10	7.2	3.14	10.24
f	7.2	7.20	7.2	3.15	10.35
g		8.0	8.00	3.25	11.25
h		7.7	7.80	3.22	11.02
k		8.9	8.95	3.39	12.34
l		9.0	8.95	3.39	12.34
m		9.2	9.35	3.45	12.80
n		9.7	9.75	3.51	13.26
o					
p					

Copied

Series plate Z Puppis.

Scale M.

B 52667

	g		h			
	1st	2nd	1st	2nd		
a	8.2		8.2 _{0.0}	8.2	-0.27	7.93
b	8.8		8.75 _{0.05}	8.7	-0.25	8.50
c	"		"	"		
d	9.9		9.85 _{0.05}	9.8	-0.26	<u>9.59</u>
d'						
e						
f						
g						
h						

Series plate

Scale M.

B52668

alt. corr. +0.1
-23° 6420

	1st	2nd	2nd			p. c.		
1	3.032 ^{3.330} ^{3.700}							
2	3.538 ^{3.800} ^{4.150}			3.20 E	7.00			
3	5.3 ^{5.5} ^{5.75}	6.0 ^{6.10} ^{6.2}		3.08	8.83			
4	6.0 ^{6.2} ^{6.10}	6.0 ^{6.10} ^{6.2}		3.08	9.18			
5	6.7 ^{7.9} ^{7.80}	7.0 ^{7.1} ^{7.80}		3.22	11.02			
6	7.0 ^{7.2} ^{7.25}	7.3 ^{7.5} ^{7.50}		3.16	10.41			
7		7.5 ^{7.60} ^{7.1}	7.7	3.20	10.80			
8		8.0 ^{8.00} ^{8.0}	8.0	3.24	11.24			
9		8.8 ^{8.55} ^{8.25}	8.3	3.32	11.87			
10		9.0 ^{9.00} ^{9.0}	9.0	3.40	12.40			
11		9.3 ^{9.25} ^{9.25}	9.2	3.43	12.68			
12		9.8 ^{9.75} ^{9.5}	9.7	3.51	13.26			
13								
14								

2nd	2nd			
8.9 ^{8.00} ^{8.0}	8.0	-0.92	7.08	
8.5 ^{8.50} ^{8.5}	8.5	-1.20	7.30	
9.8 ^{9.75} ^{9.5}	9.7	-1.88	7.81	

Series plate.

	<i>g</i>		<i>h</i>			
	1 st	2 nd	1 st	2 nd		
1	6.7 6.5	7.0	6.88 6.8 6.6	7.0	-0.18	6.70
2	7.2 7.0	7.2	7.25 7.2 7.0	7.3	-0.21	7.01
3		8.2	8.50 8.3	8.8	-0.28	8.22
4		9.0	9.00 9.0	9.0	-0.28	<u>8.72</u>
5		10.0	9.95 9.95	9.9	-0.26	<u>9.69</u>
6						
7						
8						

alt cor +0.1

Copied Burke 35p.38

Series plate.

learto 8 -9.5

B52669

Scale M.

	1st	2nd	2nd		Cum from B52670 (unc. elong.)	p. c.
1	5.2 5.0	5.10 5.0		3.10	8.20	3.10 8.20"
2	6.0 5.8	6.00 6.0		3.08	9.08	3.08 9.08
3	6.2 6.0	6.20 6.0		3.10	9.30	3.10 9.30
4	7.1 6.9	7.05 7.0		3.13	10.18	3.10 10.15
5		7.5 7.50 7.5		3.19	10.69	3.10 10.60
6		8.0 8.15 8.2		3.28	11.43	3.05 11.20
7		8.5 8.55 8.6		3.32	11.87	3.01 11.56
8		8.8 8.85 8.9		3.37	12.22	2.96 11.81
9		9.0 9.00 9.0		3.40	12.40	2.93 11.93
10		9.0 9.00 9.0		3.40	12.40	2.93 11.93
11		9.8 9.85 9.9		3.52	13.37	2.73 12.58
12		9.7 9.80 9.9		3.51	13.31	2.74 12.54

Images elongated.

Series plate.

Copied BK ³⁵ 39, 129

	$\frac{g}{2nd}$	$\frac{h}{2nd}$			
1	9.0	9.00	9.0	-0.28	8.72
2	9.3	9.35 _{0.05}	9.4	-0.27	9.08
3	9.9	9.95 _{0.05}	10.0	-0.26	<u>9.69</u>
4					
5					
6					
7					

B52670

	1 st	2 nd	2 nd	p.c.
1	3.2 ³⁵ 3.3 ³⁵ 3.3 ³⁵		3.41	8.0 8.0 ⁰⁰ 8.0 -1.24
2	2.2 ³⁵ 2.7 ³⁵ 2.4 ³⁵		4.43	8.3 8.3 ³⁵ 8.4 -1.47
3	4.2 4.0 ⁰⁰ 4.0		3.41	9.5 9.4 ³⁵ 9.4 -1.94
4	4.7 4.5 ⁰⁵ 4.8		2.81	9.2 9.2 ³⁵ 9.3 -1.69
5	4.2 4.0 ⁰⁰ 4.0		3.67	9.8 9.8 ³⁵ 9.9 -2.08
6	5.2 5.0 ⁰⁰ 5.0		3.11	
9	5.7 5.5 ⁰⁵ 5.8		2.84	
10	6.0 6.0 ⁰⁰ 6.0		2.90	
12	6.2 6.0 ⁰⁰ 6.0		3.24	
13	6.7 6.5 ⁰⁵ 6.8		2.94	
14	7.0 7.0 ⁰⁰ 7.0		3.06	
16	7.2 7.0 ³⁵ 7.5		3.17	
17	7.5 7.5 ⁰⁵ 7.6		3.23	
19	8.0 8.0 ⁰⁵ 8.1		2.88	
21	8.0 8.1 ⁰⁰ 8.2		3.16	
22	8.3 8.3 ⁰⁰ 8.3		3.24	
23	8.8 8.8 ⁰⁰ 8.8		3.03	
24	9.3 9.2 ³⁵ 9.2		2.91	
25	9.8 9.8 ⁰⁰ 9.8		2.53	
26	n.s.		.	
10a	5.6 5.8 ⁰⁰ 6.0		3.26	
14a	7.8 7.5 ³⁵ 7.5		.	

Print primary images of stars 1 and 2.

Series plate

	$\frac{g}{2\pi h}$		$\frac{h}{2\pi g}$	
1	7.0	7.000	7.0	-0.24
2	7.0	7.25 ²⁵ ₂₅	7.5	-0.37
3	8.0	8.000	8.0	-0.49
4	8.0	8.000	8.0	-0.44
5	8.0	8.25 ²⁵ ₂₅	8.5	-0.48
6	8.5	8.55 ⁰⁵ ₀₅	8.6	-0.34
9	9.8	9.75 ⁰⁵ ₀₅	9.7	-1.18 ⁶
10	9.5	9.55 ⁰⁵ ₀₅	9.6	-0.65
12	10.0	10.0000	10.0	-0.66

3 35

198

Series 706

Thursday November 21, 1918.

Sheet no. 166

8.45

B Series plate

C 5

B52787

Scale M.

	1 st	2 nd	2 nd		p.	c.	
	1 st	2 nd	2 nd		1 st	2 nd	2 nd
1	4.0 3.8	4.00 0.0	4.0	3.16	6.4	8.2 ^{8.10}	-0.94
2	4.2 4.0	4.35 1.5	4.5	3.67		9.3 ^{9.15}	-1.13
4	4.2 4.0	4.50 1.5	4.8	3.70		9.5 ^{9.50}	-1.30
4a	4.8 5.0	4.9 1.5	5.0	3.47		9.5 ^{9.40}	-1.03
5	5.0 5.2	5.35 1.5	5.5	3.59		10.0 ^{10.00}	-1.06
6	6.1 5.9	5.95 1.5	5.8	3.21			
8	6.0 5.8	6.00 1.5	6.0	3.55			
9	6.2 6.0	6.10 1.5	6.0	3.62			
10	6.8 6.6	6.90 1.5	7.0	3.11			
12	6.7 6.5	6.80 1.5	6.9	3.41			
12a	6.7 6.9	6.95 0.5	7.0	.			
13	6.7 7.0	7.15 0.5	7.2	3.31			
14a	7.0			3.75			
15		7.7		3.46			
16		7.9 ^{7.85}	7.8	3.51			
18		8.3 ^{8.30}	8.3	3.52			
19		8.7 ^{8.75}	8.8	3.30			
20		8.6 ^{8.70}	8.8	3.52			
20a		8.8 ^{8.85}	8.9	3.53			
21		9.2 ^{9.15}	9.0	3.59			
22		9.3 ^{9.35}	9.5	3.66			
23		9.6 ^{9.55}	9.5	3.64			
24		n.s.		.			
25				.			
27				.			

	$\frac{g}{h}$		$\frac{h}{g}$		
	1 st	2 nd	1 st	2 nd	
1	6.9	7.0 7.05	6.9	7.0	+ 0.11
2		8.0	8.00	8.0	+ 0.02
4		8.0	8.00	8.0	+ 0.20
4a					
5		8.9	8.85	8.8	+ 0.09
6		8.9	8.90	8.9	+ 0.26
8		9.2	9.35	9.5	+ 0.20
9		9.7	9.75	9.8	- 0.03
10		9.8	9.85	9.9	+ 0.16
12		10.0	10.00	10.0	+ 0.21
12a		10.0	10.00	10.0	

200

alt con + 0.3

Cupid BK 35 p. 86

B Series plate

Carte

8 -23.5

Scale M. B 52788

	1st	2nd	2nd			p.c.		
	30 3.05 31					2nd 2nd		
1	2.829			3.99	7.04	8.0 8.00 8.0	3.544	0.03 -1.03 6.97
2	4.1 4.10 3.9 4.0	4.1		3.86	7.96	8.5 8.50 8.5	3.544	0.04 -1.10 7.40
3	4.2 4.10 4.0 4.1	4.0		3.86	7.96	9.0 9.00 9.0	3.544	0.03 -1.17 7.83
4	5.1 5.05 5.05 4.9 5.0	5.0		3.77	8.82	10.0 10.00 10.0	3.544	0.20 -1.29 8.71
5	5.0 5.10 5.1 4.8 5.1	5.2		3.76	8.86			
6	6.0 6.00 6.0			3.68	9.68			
7	6.2 6.10 6.0 6.1	6.0		3.67	9.77			
8	6.7 6.75 6.75 6.5 6.75	6.8		3.62	10.37			
9	7.0 7.00 7.0			3.61	10.61			
10	7.8 7.85 7.85 7.9			3.56	11.41			
11	8.0 8.00 8.0			3.54	11.54			
12	8.0 8.05 8.05 8.1			3.53	11.58			
13	8.4 8.45 8.45 8.5			3.54	11.99			
14	8.8 8.80 8.8			3.54 ³	12.33			
15	8.9 8.80 8.7			3.53	12.38			
16	9.0 9.10 9.1 9.2			3.53	12.63			
17	9.3 9.40 9.4 9.5			3.54	12.94			
18	9.7 9.75 9.75 9.8			3.58	13.33			
19	10.0 10.00 10.0			3.59	13.59			

97
40
83
71

		$\frac{g}{2nd}$	$\frac{h}{2nd}$		
1	5.5	5.5	$5.55_{0.05}^{0.05}$	6.0	.
2		6.0	$6.5_{0.50}^{0.50}$	7.0	+ 0.38
3		7.8	$7.15_{0.5}^{0.5}$	7.7	+ 0.17
4		8.0	$8.00_{0.00}^{0.00}$	8.0	+ 0.13
5		8.5	$8.40_{0.10}^{0.10}$	8.3	+ 0.07
6		9.5	$9.35_{0.15}^{0.15}$	9.2	- 0.09
7		9.2	$9.35_{0.15}^{0.15}$	9.5	- 0.09
8					
9					

202

Cepheid BK 35:134

B Series plate

Carty 8^h - 40.5^o

Scale M.

B 52789

alt corr -0.2

	1 st	2 nd	2 nd			$\frac{p}{2nd}$	$\frac{c}{2nd}$	
1	3.9 4.7 ₀₅	3.95 4.0		3.86 ⁷	7.82	8.8	8.8 ⁰	-1.13 7.67
2	5.2 5.0 ₀₅	5.10 5.0		3.76	8.86	9.9	9.9 ⁰	-1.27 <u>8.63</u>
3	5.2 5.0 ₀₅	5.45 5.7		3.72	9.17			
4	6.2 6.0 ₀₅	6.10 6.0		3.67	9.77			
5	6.9 6.7 ₀₅	6.95 7.0		3.61	10.56			
6	7.2 7.0 ₀₅	7.25 7.3		3.57	10.82			
7		7.5 7.65 ¹⁵ 7.7	7.8	3.57	11.22			
8		7.7 7.7 ⁰	7.7	3.56	11.26			
9		8.0 8.0 ⁰	8.0	3.55	11.55			
10		8.5 8.40 ¹⁵ 8.5	8.3	3.54	11.94			
11		8.9 8.95 ⁰⁵ 8.9	9.0	3.53	12.48			
12		9.0 9.0 ⁰	9.0	3.53	12.53			
13		9.7 9.7 ⁰	9.7	3.57	<u>13.27</u>			
14		10.0 10.0 ⁰	10.0	3.59	<u>13.59</u>			

	$\frac{g}{2nd}$	$\frac{h}{2nd}$	
1	7.0	$7.10 \pm$	$7.2 + 0.28$ 7.38
2	8.3	$8.15 \pm$	$8.0 + 0.10$ 8.25
3	8.9	$8.85 \pm$	$8.8 - 0.01$ 8.84
4	9.2	$9.30 \pm$	$9.4 - 0.08$ 9.22
5	10.0	$10.00 \pm$	$10.0 - 0.20$ <u>9.80</u>

B Series plate Carte 8^h - 64.5

Scale M. B52790

alt. cov. - .20

	1 st	2 nd	2 nd			P. C.		
	3.05					2 nd	2 nd	
1	2.82.9			3.99	7.04	7.5	7.50	7.5 -0.97 6.53
2	3.8 4.0	4.0	4.0	3.87	7.87	8.5	8.50	8.5 -1.10 7.40
3	4.5 4.7	4.5	4.9	3.78	8.58	9.2	9.25	9.3 -1.20 8.05
4	4.8 5.0	5.1	5.2	3.76	8.86			
5	5.8 6.0	6.0	6.0	3.68	9.68			
6	6.2 6.0	6.2	6.2	3.67	9.87			
7	7.2 7.0	7.1	7.0	3.60	10.70			
8		7.3	7.30	3.57	10.87			
9		7.8	7.70	3.56	11.26			
10		8.1	8.05	3.55	11.60			
11		8.2	8.20	3.53	11.73			
12	9	9.1	9.05	3.53	12.63			
13		9.2	9.25	3.53	12.78			
14		9.4	9.5	3.56	13.11			
15		10.0	10.00	3.59	<u>13.59</u>			
16								

	$\frac{g}{2 \text{ sec}}$	$\frac{h}{2 \text{ sec}}$		
1	5.8	5.8°	5.8	.
2	7.2	7.1°	7.0	+0.38 7.48
3	8.0	8.0°	8.0	+0.13 8.13
4	9.0	9.00°	9.0	-0.03 8.97
5	10.0	9.95°	9.9	-0.30 <u>9.65</u>

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B Series plate

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K150

10.2 - 30.1

Scale M. B 52791

alt con +.06

P.C

	1st	2nd	2nd		
	5.4	5.65			
1	5.2 ₂₅	5.9		3.70	9.35
K150 = 2	5.9	5.9 ₀	5.9	3.68	9.58
	6.2	6.10			
3	6.0	6.1	6.0	3.57	9.67
	6.5	6.60			
4	6.3	6.1	6.7	3.63	10.23
	6.7	6.65			
5	6.5	6.65	6.6	3.63	10.28
	7.2	7.10			
6	7.0	7.2	7.6	3.57	10.97
		8.0	8.00		
7		8.0	8.0	3.55	11.55
		8.0	8.00		
8		8.0	8.0	3.55	11.55
		8.1	8.20		
9		8.1	8.3	3.54	11.74
		8.3	8.55		
10		8.3	8.8	3.54	12.09
		8.8	8.90		
11		8.8	9.0	3.54	12.44
		9.0	9.05		
12		9.0	9.1	3.53	12.58
		9.1	9.25		
13		9.1	9.4	3.53	12.78
		9.4	9.55		
14		9.4	9.7	3.58	<u>13.33</u>

	g	h		
	$2 \frac{g}{h}$	$2 \frac{h}{g}$		
1	9.0	$8.9 \frac{5}{10} \frac{5}{10}$	8.9	-0.03 8.92
2	9.2	$9.1 \frac{5}{10} \frac{5}{10}$	9.1	-0.06 9.09
3	10.0	$9.9 \frac{5}{10} \frac{5}{10}$	9.9	-0.19 <u>9.76</u>
4				
5				
6				
7				

Scale M. B 52792

B Series plate

Carte 10^h - 23.6

alt con + 0.7

	1 st	2 nd	2 nd			$\frac{p. c}{2^{nd}}$	$\frac{p. c}{2^{nd}}$
1	2.7 2.526	2.75 2.805				7.0	7.00
2	4.2 4.0	4.19 4.0		386	796	8.8	8.80
3	4.7 4.5	4.805 4.5		378	8.63	9.8	9.80
4	5.2 5.0	5.35 5.5		373	9.08		
5	6.1 5.9	6.25 6.4		367	9.92		
6	7.2 7.0	7.25 7.3		358	10.83		
7	7.2 7.0	7.20 7.2		360	10.80		
8		7.6 7.70	7.8	356	11.26		
9		8.0 8.00	8.0	355	11.55		
10		8.3 8.25	8.2	353	11.78		
11		9.0 9.00	9.0	353	12.53		
12		9.0 8.95	8.9	354	12.49		
13		9.3 9.30	9.3	353	12.83		
14		9.4 9.45	9.5	355	13.00		
15		9.7 9.70	9.7	357	<u>13.27</u>		
16							

	g 2nd	h 2nd		
1	5.0	5.00 00	5.0	.
2	7.0	7.00 00	7.0	+0.30 7.30
3	8.0	8.00 00	8.0	+0.13 8.13
4	8.9	8.85 05	8.8	-0.01 8.84
5	10.0	10.00 00	10.0	-0.20 <u>9.80</u>
6				
7				
8				
9				
10				
11				

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Series 706

Sheet No 166

B Plate series.

C 6

Scale M.

B 52793

	1 st	2 nd	2 nd		$\frac{p}{c}$	
1	$\frac{2.15}{2.0} \frac{0.5}{0.9}$			4.61	$\frac{2nd}{7.8} \frac{7.80}{0.0} \frac{7.8}{0.0}$	-1.04
2	$\frac{2.2}{2.0} \frac{2.1}{1.8} \frac{0}{0.8}$			4.78	$\frac{7.8}{0.5} \frac{7.75}{0.5} \frac{7.7}{0.5}$	-0.87
3	$\frac{3.2}{3.0} \frac{0}{3.0}$			4.31	$\frac{8.8}{0.5} \frac{8.75}{0.5} \frac{8.7}{0.5}$	-1.24
4	$\frac{3.2}{3.0} \frac{0}{3.0}$			4.36	$\frac{8.7}{0.5} \frac{8.70}{0.5} \frac{8.7}{0.5}$	-1.14
5	$\frac{3.2}{3.0} \frac{3.45}{3.5} \frac{25}{25}$			4.32	$\frac{9.2}{9.1} \frac{9.10}{9.0}$	-1.33 -0.89
6	$\frac{4.2}{4.0} \frac{4.20}{4.0} \frac{4.2}{4.2}$			4.01	$\frac{9.7}{9.5} \frac{9.80}{9.5} \frac{9.9}{9.9}$	-1.59
9	$\frac{4.7}{4.5} \frac{4.45}{4.5} \frac{5}{4.2}$			4.14	$\frac{10.0}{10.0} \frac{10.00}{10.0} \frac{10.0}{10.0}$	-1.41
10	$\frac{5.2}{5.0} \frac{5.10}{5.0} \frac{5.0}{5.0}$			3.80		
10a	$\frac{4.2}{4.0} \frac{4.35}{4.0} \frac{4.5}{4.5}$			4.71		
12	$\frac{5.2}{5.0} \frac{5.50}{5.0} \frac{5.8}{5.8}$			3.84		
13	$\frac{5.3}{5.0} \frac{5.70}{5.0} \frac{5.9}{5.9}$			3.99		
14	$\frac{6.2}{6.0} \frac{6.10}{6.0} \frac{6.0}{6.0}$			3.96		
14a	$\frac{6.8}{6.0} \frac{7.00}{6.0} \frac{7.0}{7.0}$					
16	$\frac{6.7}{6.0} \frac{6.50}{6.0} \frac{6.3}{6.3}$			4.02		
17	$\frac{7.2}{7.0} \frac{7.15}{7.0} \frac{7.1}{7.1}$			3.63		
19	$\frac{7.1}{7.0} \frac{7.05}{7.0} \frac{7.0}{7.0}$			3.88		
21	$\frac{7.4}{7.0} \frac{7.45}{7.0} \frac{7.5}{7.5}$			3.81		
22	$\frac{7.9}{7.0} \frac{7.95}{7.0} \frac{8.0}{8.0}$			3.59		
23	$\frac{8.1}{8.0} \frac{8.05}{8.0} \frac{8.0}{8.0}$			3.78		
24	$\frac{8.7}{8.0} \frac{8.75}{8.0} \frac{8.8}{8.8}$			3.41		
25	$\frac{8.8}{8.0} \frac{8.85}{8.0} \frac{9.0}{9.0}$			3.48		
26	$\frac{9.3}{9.0} \frac{9.25}{9.0} \frac{9.2}{9.2}$			3.43		
27	$\frac{9.5}{9.0} \frac{9.60}{9.0} \frac{9.7}{9.7}$			3.52		
26a	$\frac{9.0}{9.0} \frac{9.05}{9.0} \frac{9.1}{9.1}$					

	$\frac{g}{2}$	$\frac{h}{2}$	
1	6.0 $\frac{6.25}{25}$	6.5	+ 0.51
2	6.5 $\frac{6.75}{25}$	7.0	+ 0.13
3	7.1 $\frac{7.30}{2}$	7.5	+ 0.21
4	7.0	7.0000	+ 0.56
5	8.0	8.0000	- 0.23
6	8.0	8.0000	+ 0.21
9	8.7	8.7000	- 0.11
10	9.0	9.0000	- 0.10
10a	9.5	9.5000	- 0.44
12	10.0 $\frac{9.95}{0.5}$	9.9	- 0.61
13			
14			
14a			
16			

11 33

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9.00 Only first two
 plates were used,
 Scale M. according to instructions.

Friday Dec. 13, 1918

Series 521

66

Sheet no 170

B 50597

Pris. comp.

	1st	2nd	2nd	
1	3.9 3.7	3.95 4.0	281 281	
2	4.0 3.8	4.00 4.0	288	
3	4.9 4.7	4.85 4.8	266	
4	4.4 4.2	4.65 4.9	291	
5	4.9 4.7	4.95 5.0	282	
6	5.0 4.8	5.10 5.2	311	
8	5.3 5.1	5.50 5.7	301	
9	6.0 5.8	5.90 5.8	269	
10	6.0 5.8	6.05 6.1	285	
10a	6.0 5.8	6.05 6.0	301	
12	6.3 6.3	6.70 6.9	264	
13	6.9 6.7	6.90 6.9	279	
14	7.0 6.8	7.00 7.0	306	
14a	7.0 6.8	7.00 7.0	306	
16		7.8 7.80 7.8	272	
17		8.0 8.00 8.0	278	
19		8.0 8.00 8.0	293	
21		8.2 8.25 8.3	301	
22		8.5 8.55 8.6	299	
23		8.8 8.90 9.0	293	
24		9.0 9.05 9.1	311	
25		9.3 9.25 9.2	308	
26		9.7 9.65 9.6	303	
26a		9.3 9.25 9.2	.	
26b		9.9 9.85 9.8	.	
27		10.0 10.00 10.0	312	

2nd	2nd	
8.3 8.25 05	8.2	-1.49
8.4 8.40 05	8.4	-1.52
9.1 9.05 05	9.2	-1.64
9.3 9.40 05	9.5	-1.84
9.6 9.65 05	9.7	-1.88
9.9 9.95 05	10.0	-1.74

	g 2nd	h 2nd	
1	6.9 $\begin{smallmatrix} 6.95 \\ .05 \end{smallmatrix}$	7.0	-0.19
2	7.0 $\begin{smallmatrix} 7.20 \\ .20 \end{smallmatrix}$	7.4 out of focus	-0.32
3	8.0 $\begin{smallmatrix} 7.85 \\ .15 \end{smallmatrix}$	7.7	-0.34
4	8.0 $\begin{smallmatrix} 7.95 \\ .05 \end{smallmatrix}$	7.9	-0.39
5	8.0 $\begin{smallmatrix} 8.00 \\ .00 \end{smallmatrix}$	8.0	-0.23
6	8.8 $\begin{smallmatrix} 8.75 \\ .05 \end{smallmatrix}$	8.7	-0.54
8	8.9 $\begin{smallmatrix} 8.90 \\ .00 \end{smallmatrix}$	8.9	-0.39
9	9.0 $\begin{smallmatrix} 8.90 \\ .10 \end{smallmatrix}$	8.8	-0.31
10	9.2 $\begin{smallmatrix} 9.15 \\ .05 \end{smallmatrix}$	9.1	-0.25
10a	9.2 $\begin{smallmatrix} 9.10 \\ .10 \end{smallmatrix}$	9.0	-0.04
12	9.2 def.	9.8 $\begin{smallmatrix} 9.80 \\ .00 \end{smallmatrix}$	-0.46
13	10.0 $\begin{smallmatrix} 10.00 \\ .00 \end{smallmatrix}$	10.0	-0.31
14	10.0 $\begin{smallmatrix} 10.06 \\ .06 \end{smallmatrix}$	10.0	+0.06
14a			
16			

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Friday

Dec. 13, 1918.

Series plate 521

alt. con +07

cart du ciel 10 -9.6

Scale M.

B 50598

Pis. comp.

	1st	2nd	2nd		
1	4.1 3.9	4.30 4.5		2.88	7.18
2		6.0 6.0	6.0	2.93	8.93
3		6.8 6.90	7.0	2.90	9.80
4		7.0 7.10	7.2	2.96	10.00
5		7.7 7.60	7.5	2.91	10.51
6		8.0 7.95	7.9	2.92	10.87
7		8.7 8.80	8.9	2.89	11.79
8		8.9 8.95	9.0	3.00	11.95
9		9.9 9.90	9.9	3.01	12.91
10		10.0 10.00	10.0	3.12	13.12
11					
12					

2nd 2nd
9.5 9.45
0.5 0.5 9.4 -1.72 773

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	g 2nd	h 2nd		
1	8.2	$8.10 \pm$	$8.0 - 0.30$	7.80
2	9.2	$9.10 \pm$	$9.0 - 0.29$	8.81
3	10.0	$10.00 \pm$	$10.0 - 0.26$	9.74
4				
5				

9.40

