

KG
11366
039

Genevieve F. Mathews
Book 4
Series, etc.

KG #13 66 .039

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

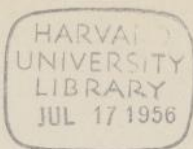
Underlines entered through p. 46 and wherever copied. Dec. 3, 1914.

Genevieve F. Matthews

Record Book no. 4.

Series measures.

KE 11366.039



4

Reductions made using Revised Magw.

Saturday, February 21, 1914.

3.00

Series 97

Scale R.

mc 3548

Pole

P.e.

Sc.1

Sc.2

Sc.1

Sc.2

5

7

10.9? 10.8?

Sub. MC 3559
9.00
star mag. 9.92
14.42

6

10.8 10.6

10.70 9.55 10.12

8

11.9

11.8 11.85 11.25 11.55

9

12.4 12.2

12.30 11.80 12.05

10 6.8 7.1

7.1

6.6

6.85

3.2

2.17

12.5 12.3

12.40 12.00 12.20

7.1 7.4 11 7.2 7.5

7.45

7.0

7.22

2.3

2.2

2.33

12.8

12.8 (11.65 12.22)

7.1 7.4 12 6.8 7.1

B.

7.25

7.6

7.42

17.18

2.44

13.2

13.2 12.9 13.05

13 7.8 8.1

8.0

8.05

8.00

8.02

0.3

0.2

2.28

13.3

13.3 13.2 13.25

14 8.7 9.0

8.8

8.90

8.25

8.58

3.2

3.3

2.07

13.8

13.8 13.8 13.80

15 7. 9.8

9.8

9.8

9.10

9.45

3.5

3.5

1.63

14.0

14.0 14.0

16 9.8

9.8

9.8

9.15

9.48

3.2

3.3

1.92

14.1?

14.1 14.1

17 10.2

10.2

10.2

9.7

9.95

2.3

2.5

1.68

7. 7.

18 10.7

10.7

10.7

10.3

10.50

2.2

2.2

1.56

19 11.4

11.4

11.4

10.8

11.10

3.3

3.3

1.32

20 11.6 11.6

11.6

11.60

11.20

11.40

2.0

2.0

1.38

23 12.5 12.5

12.5

12.50

11.85

12.18

3.2

3.3

1.16

25 13.3 13.3

13.3

13.30

12.35

12.82

4.8

4.7

1.05

26 13.3 13.4

13.3

13.35

13.20

13.28

0.7

0.8

1.05

27 13.7 13.6

13.7

13.65

13.55

13.60

0.5

0.5

1.09

71

59

10-14

5

+1.14

5

-1.2

15-20

157

168

6

5

+2.06

-3.4

92

93

4

4

+2.23

-2.3

320

320

15

15

+2.21

-2.1

copied

Saturday, February 21, 1914

Series 97

copied.

Scale R			3549	109 A	Alt. +0.6		P.C.		Mean	Cum.	Mag.
Diff	Resid.		Sc.1	Sc.2	Mean	Cum.	Mag.	Sc.1	Sc.2		
9.92	-3.43	98 92	1 5.9 62		6.2			7.	11.7	11.6	11.65 - 3.24 8.41
10.12	-3.01	58 57	2 6.9 72	B.	7.7	2.42	9.62		12.9	13.1	13.00 - 3.14 9.86
11.55	-3.32	30 30	1 8.4 3 7.9 82	8.4	8.33	2.13	10.46		13.9	13.8	13.85 - 2.99 10.86
12.05	-3.22	75 75	4 8.6 89	8.8	8.85	1.98	10.83		14.0	14.12	14.05 - 2.92 11.13
12.20	-3.18	70 70	5 7.	9.8	9.8	1.69	11.49		7.	7.	
12.22	-2.67	(58 57)	6	10.2	10.2	1.59	11.79				
13.05	-3.19	2 1	7	10.6	10.6	1.50	12.10				
13.25	-2.95	1 0	8	10.9	10.9	1.43	12.33				
13.80	-3.15	0 0	9	11.4	11.4	1.31	12.71				
14.0	-2.92		10	12.1	12.1	1.19	13.29				
14.1	-2.70		11	12.4	12.4	1.14	13.54				
206	204		12	12.9 12.7	12.80	1.08	13.88				
4	4				1.0						
+5.21	-.51		13	13.3 13.4	13.35	1.08	14.43				
118	87		14	13.4 13.3	13.35	1.08	14.43				
8	5				1.0						
+7.21	-.17		15	13.7 13.6	13.65	1.09	14.74				
314	291		16	13.9 13.8	13.85	1.10	14.95				
9	9				1.0						
+3.35	-.32										
5	3										
4	4										
+1.21	-.08										
256	234										
8	8										
+3.21	-.29										

Saturday, February 21, 1914

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Series 97

Scale	P.	mc 3550	3714	alt. +23	P.C				
		Sc.1	Sc.2		Sc.1	Sc.2	Mean	Curve	Mag
1	3.7 40				4.	10.1 10.3	10.20 - 3.23	697	
2	6.8 71				12.4	12.3 12.8	12.50 - 3.21	929	
3	7.7 80	B.			13.1	12.8 13.2	13.03 - 3.13	990	
4	7.7 80	8.0				13.3 13.3	13.30 - 3.09	1021	
5	8.4 87	8.7			13.7	13.9	13.80 - 2.99	1081	
6	7.	9.3			4.	7.			
7		9.9							
8		11.1							
9		11.3							
10		11.9							
11		12.4 12.3							
12		12.7 12.9							
13		13.3 13.3							
14		13.2 13.2							
15		13.6 13.6							

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Series 97

Scale R	Mc 3551		16K		alt. +20		P.C.	
	Se.1	Se.2	Se.1	Se.2	Se.1	Se.2	Se.1	Se.2
697	1 4.9 5.2		5.2		4.	12.2	12.2	11.8
929	2 5.7 6.0		6.0				12.7	12.8
990	3 6.8 7.1		7.1	2.46	9.56		13.6	13.6
1021	6.8 4 6.7 7.0		7.05	2.49	9.54		13.6	13.6
1081	5 6.9 7.2		7.2	2.42	9.62		13.9	13.9
	6 7.4 7.7	B.	7.7	2.31	10.01		14.0	
	7 9.0 9.3	9.3	9.30	1.83	11.13		7.	
	8 7.	9.9	9.9	1.66	11.56			
	9	10.4	10.4	1.54	11.94			
	10	11.2	11.2	1.38	12.58			
	11	11.4 11.3	11.35	1.32	12.67			
	12	12.3 12.1	12.20	1.18	13.38			
	13	12.1 12.2	12.15	1.19	13.34			
	14	12.7 12.8 12.3	12.60	1.12	13.72			
	15	13.3 13.2	13.25	1.08	14.33			

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Series 97

Scale P	mc 3552	62 N	Alt. +22	P.C.			
	Sc.1	Sc.2		Sc.1	Sc.2	mean	curr.
1	5.1	5.4	5.4	7.	11.2	11.1	11.15 - 3.25
2	5.3	5.6	5.6		11.3	11.3	11.30 - 3.25
3	5.3	5.6	5.6		12.3	12.2	12.25 - 3.22
4	6.3	6.6	6.6		13.2	13.3	13.25 - 3.10
5	6.6	6.9	6.9		13.3	13.4	13.35 - 3.09
6	6.9	7.2	7.2		13.6		13.6 - 3.03
7	7.9	8.2	8.2		14.2?		14.2 - 2.88
8	8.5	8.8	8.8		14.0?		14.0 - 2.92
9	7.	9.7	9.7		7.		
10		10.3	10.3				
11		10.6	10.4				
12		11.4	11.4				
13		11.7	11.8				
14		11.9	12.1				
15		12.3	12.3				

Saturday, February 21, 1914

Leopold

Series 97

Scale P

mC 3554

~~86~~
~~110~~

alt. + 16

P.C.

Sc.1

Sc.2

Sc.1

Sc.2

1 6.8 7.1

7.1 2.46 9.56

13.5 13.6 13.55 - 3.03 10.52

2 7.3 7.3

7.3 2.41 9.71

13.9 13.9 13.90 - 2.95 10.95

3 7.4 7.4

7.4 2.39 9.79

14.2? 14.3? 14.25 - 2.88 11.37

4 7.7 7.7

B.

7.7 2.31 10.01

7. 7.

8

5 8.2 8.2

8.7

8.45 2.09 10.54

6 8.7 8.7

9.1

8.90 1.96 10.86

7 9.2 9.2

9.4

9.30 1.82 11.12

8 7.

9.8

9.8 1.69 11.49

9

10.4

10.4 1.54 11.94

10

9.8

9.8 1.69 11.49

11

10.7 10.9

10.80 1.46 12.26

12

11.3 11.2

11.25 1.37 12.62

13

11.2 11.3

11.25 1.37 12.62

14

12.1 12.3

12.20 1.18 13.38

15

12.3 12.2

12.25 1.17 13.42

α 5.3 5.6

B

5.6

7.

11.9 12.1 12.02 - 3.24 8.76

B 5.9 6.2

B

6.2

7.

12.8 12.7 12.75 - 3.19 9.56

Saturday, February 21, 1914

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Series 97

Scale P

In C 3555

110 K

Alt. +04

P.C.

	Sc.1.	Sc.2		Sc.1	Sc.2	
1	7.3 7.6	B.	7.6 2.31 9.91	7	13.3 13.4	13.35 - 309 ¹⁰²⁶
2	7.3 7.6	B.	7.6 2.31 9.91		13.4 13.4	13.40 - 309 ¹⁰³¹
3	8.7 9.0	8.9	8.95 19.3 10.88			Scratch over image .2
4	8.9 9.2	8.8 9.1	9.03 19.1 10.94		14.1? 14.3?	? 14.20 - 288 ¹¹³²
5	7	9.7	9.7 17.1 11.41		7	
6		10.6	10.6 15.0 12.10			
7		11.2	11.2 13.8 12.58			
8		~~12.2~~	12.2 11.8 13.38			
9		12.1	12.1 11.9 13.29			
10		12.4	12.4 11.4 13.54			
11		13.1 13.2	13.15 10.8 14.23			
12		13.2 13.3	13.25 10.8 14.33			
13		13.2 13.3	13.25 10.8 14.33			
14		13.4 13.3	13.35 10.8 14.43			
15		13.9 13.9	13.90 11.0 15.00			

Saturday, February 21, 1914

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Series 97

Scale P	mc 3556	3814	Alt. + 21	P.E.
	Sc.1	Sc.2	Sc.1	Sc.2
1	2.4 2.7		8.9 9.2	9.6 9.2
2	6.4 6.7		7.	12.4 12.6
3	6.4 6.7			13.0 13.2
4	7.7 8.0	B.		13.6 13.7
5	8.3 8.6	8.6		7. 7.
6	7.	9.9		
7		10.4		
8		11.6		
9		12.2		
10		12.3		
11		12.8 13.1		
12		13.2 13.4		
13		13.4 13.4		
14		13.6 13.6		
15		13.9 13.9		

Saturday, February 21, 1914

Series 97

Scale R

mc 3559

Pole

P.C.

Sc.1

Sc.2

Sc.1

Sc.2

5

8.8⁹¹

8.9

9.00

6

7.

9.4

9.7

9.55

8

11.2

11.3

11.25

9

11.9

11.7

11.80

10 6.3 6.6

6.6

11.9

12.1

12.00

11 6.7 7.0

7.0

11.6

11.7

11.65

Rajet
Defence.

12 7.3 7.6

B.

7.6

12.9

13.2

12.9

13 7.7 8.0

8.0

8.00

13.2

13.2

14 7.9 8.2

8.3

8.25

13.8

13.8

15 8.8 9.1

9.1

9.10

7.

92
8.9 16 9.0 9.3

8.9

9.2

9.15

17 7.

9.7

9.7

18

10.3

10.3

19

10.8

10.8

20

11.2

11.2

11.20

23

11.9

11.8

11.85

25

12.4

12.3

12.35

26

13.2

13.2

13.20

5.23

27

13.7

13.4

13.55

Wednesday February 25, 1914

2.26

Series 153

Scale P.	MC 4172	Pole			P.C.		
	Sc.1	Sc.2			Sc.1	Sc.2	Mean Diff
5					8.2 8.5	8.3	8.40 - 1.91
6					8.9 9.2	9.1	9.15 - 2.04
8					7.	10.7	10.75 - 2.52
9			Mean	Diff		11.2 11.3	11.25 - 2.42
10	6.3 6.6		6.6	2.42		11.3 11.4	11.35 - 2.33
11	7.4 7.7		7.7	1.85		12.1	12.1 - 2.55
12	7.8 8.1	8.	8.1	1.76		12.3	12.3 - 2.44
13	8.4 8.7	8.7	8.70	1.60		12.8	12.8 - 2.50
14	8.8 9.1	8.9	9.00	1.65		13.3	13.3 - 2.65
15	7.	9.6	9.6	1.48		13.6	13.6 - 2.52
16		9.9	9.9	1.50		13.7	13.7 - 2.30
17		10.3	10.3	1.33		13.9	13.9 - 2.27
18		10.9	10.9	1.16		14.2	14.2 - 2.14
19		11.3	11.3	1.12		14.2	14.2 - 1.78
20		11.3 11.5	11.40	1.33		7.	
23		12.2 12.2	12.20	1.14			
25		12.6 12.6	12.60	1.27			
26		12.7 12.8	12.75	1.58			
27		13.2 13.3	13.25	1.44			

Wednesday, February 25, 1914

Series 153

Copied.

Card.

Scale R.	INC 4173		11215		P.C.	
	Sc.1	Sc.2	alt. one + 0.6		Sc.1	Sc.2
1	5.6 5.9		5.9	2.52 8.42	7.	10.9 10.9 10.90 - 2.41 8.49
2	6.4 6.7	B.	6.7	2.24 8.94	11.8	11.6 11.70 - 2.49 9.21
3	8.1 8.4	2.3	8.35	1.71 10.06	13.3	13.3 13.30 - 2.52 10.78
4	8.6 8.9	2.8	8.85	1.61 10.46	13.9	13.6 13.75 - 2.50 11.25
5	7.	9.7	9.7	1.42 11.12	14.1	14.0 14.05 - 2.49 11.56
6		9.9	9.9	1.39 11.29	14.2	14.2 - 2.48 11.72
7		10.3	10.3	1.31 11.61	7.	
8		10.7	10.7	1.21 11.91		
9		10.9	10.9	1.24 12.14		
10		11.4	11.4	1.20 12.60		
11		11.9 12.1	12.5	1.25 12.25		
12		11.7 12.0	11.85	1.22 13.07		
13		12.5 12.4	12.45	1.30 13.75		
14		13.1 13.3	13.20	1.48 14.68		
15		13.4 13.3	13.35	1.51 14.86		
16		13.7 13.6	13.65			
17		13.7 13.8	13.75			

Wednesday, February 25, 1914

Series 153

Copied

Cards

Scale P.	mc 4174		65 K		alt. con. + 22		P. C.	
	Sc.1	Sc.2					Sc.1	Sc.2
3.49	1 6.1 6.4	B.	6.4	2.33	8.73		7.	11.2 11.3 11.25 - 2.45 8.80
9.21	2 7.9 8.2	8.0	8.2	1.77	9.97	*	13.1 13.2	13.15 - 2.48 10.67
8.4	3 9.1? 9.4	9.4	9.40	1.49	10.89		14.1? 14.2?	? 14.15 - 2.10 12.05
10.78	4 7.	9.6	9.6	1.44	11.04		14.1? 14.2?	? 14.15 - 2.10 12.05
41	5	10.1	10.1	1.35	11.45		7. 7.	7. 7.
12.25	6	10.8	10.8	1.28	12.08			
118.92	7	11.3	11.3	1.20	12.50			
11.56	8	11.8	11.8	1.23	13.03			
12.112	9	12.1	12.1	1.26	13.36			
11.72	10	12.7	12.7	1.36	14.06			
F	11	12.9 12.7	12.80	1.38	14.18			
	12	13.1 13.2	13.15	1.46	14.61			
	13	13.4 13.2	13.35	1.51	14.86			
	14	13.6 13.4	13.50	1.57	15.07			
	15	13.9 13.9	13.90					

Remeasures. March 2, 1915. Rec. O.

Elongated.

	pc.1	pc.2	pc.1	pc.2
1	6.1		11.6	
2	7.9		* 13.1	
3	9.5		14.3?	

all images elongated. Per G. F. M.

Rec. O.

* Discordance due not to error of unit, or accidental error. Elongation of images? - or general discordance of P.C.s in this series? G. F. M. Mar. 2, 1915

Wednesday, February 25, 1914

Copied.

Card.

Series 153

Scale R	mc 4175			40 M	Alt. com. + 22			P. C		
	Sc.1	Sc.2			Sc.1	Sc.2				
Double?	1 6.7 7.0	B.	7.0	2.11	9.11	7.	12.0	11.9	11.95 - 2.51	9.44
8.4	2 8.3 8.6	B.2	8.40	1.70	10.10		13.1	13.2	13.15 - 2.49	10.66
	3 9.2 9.5	9.4	9.45	1.49	10.94		14.3	14.3	14.30 - 2.46	12.26
	4 7.	10.3	10.3	1.31	11.61		7.	7.		9.
	5	10.4	10.4	1.30	11.70					
	6	10.9	10.9	1.24	12.14					
	7	11.4	11.4	1.20	12.60					
	8	11.8	11.8	1.23	13.03					
	9	11.9	11.9	1.24	13.14					
	10	12.9	12.8	1.285	13.9	12.24				
	11	13.1	13.3	13.20	1.48	14.68				
	12	13.4	13.4	13.40	1.52	14.92				
	13	13.6	13.7	13.65						
Hidden by scratch	14									
	15	14.4?	14.5?	14.45?						

4.00

Friday, February 27, 1914

11.50

Measures for Color Index with New Grating

Scale R	mc 4706		Pole	Images a'		Images a''				
Sc.1	Sc.1	Sc.2	Diff	Pole	Sc.1	Sc.2	Sc.1	Sc.2	Diff	Pole
5	3.1 ^{3.4}		3.09	3.03	7	11.2 ^{a'}	11.30 1.1	7	11.4 ^{a'}	-4.81 -4.87
6	5.1 ^{5.4}		1.71	1.61		11.4	11.65 1.0		11.6	-4.54 -4.64
7	5.5 ^{5.8}		1.51	1.64		12.7	12.60 1.1		12.5	-4.29 5.17
8	7.2 ^{7.5}		0.73	0.47		13.2	13.00 2.2		13.1	-4.77 5.03
9	8.6 ^{8.9}	8.80 1.1	0.03	-0.19		13.9	13.80 1.1		13.7	-4.97 5.19
10	8.6 ^{8.9}	9.00 1.1	0.02	-0.06		14.0	13.85 2.1		13.7	-4.83 4.91
11	7		-0.55	-0.80		14.1 [?]	14.05 1.0		14.0	-4.50 4.75
12			-0.54	-0.86		14.3 [?]	14.20 1.1		14.1 [?]	-4.34 4.66
13			-0.90	-0.95					14.5 [?]	-4.20 4.28
14			-0.65	-0.86					7	
15			-0.77	-1.07						
16			-0.90	-1.23						
17			-0.62	-1.07						
18			-1.14	-1.27						
19			-0.93	-1.13						
20			-0.72	-0.80						
21			-0.74	-						
22			-0.56	-						
23			-0.68	-0.66						
24			-0.21	-						
25			-0.58 ³	-						
26			-0.07 [?]	-						
27			-	-						
28			-	-						

Defect?

6.9	+87°	15	6.8	7.1	7.2	7.5	7.30 2.2
	+88°	80	8.8	9.1			9.0 9.05 1.0
	+88°	86	8.3	8.6			8.4 8.50 1.1
	+88°	115	8.9	9.2			9.3 9.25 0.1

a'	13.2	13.25 0.1	a'	13.3
a''	13.7	13.7 0.2	a''	13.7
a'	13.6	13.75 0.1	a'	13.5
a''	13.6	13.75 0.1	a''	13.9

$a' + a''$
 measures
 added later
 Feb. 27
 9.7.11
 Time 2.30
 2.42

Friday, February 27, 1914

Scale R	mC 4706			Pole	Images a'		Images a ²	
	Sc.1	Sc.1	Sc.2		Sc.1	Sc.2	Sc.1	Sc.2
2 _n 3.9 ^{4.2}				4.2 a.	7.	a ² 10.6	10.70 ^{1.4} a'	10.8
3 _n 5.9 ^{6.2}				6.2 a.		12.4	12.35 ^{0.1} a'	12.3
4 _n 7.3 ^{7.4}			B.	7.5 ⁶ a.		a ² 12.1	13.15 ^{1.0} a'	13.2
5 _n 7.9 ^{8.2}			8.0	8.10 ^{1.1}		13.7	13.50 ^{2.2} a'	13.3
6 _n 9.0 ^{9.3}			9.4	9.35 ^{1.0}		14.0	13.95 ^{0.1} a'	13.9
7 _n 7.			10.3	10.3 ^{1.2}		14.4?	14.45 ^{2.0} a'	14.5?
8 _n 7			11.3	11.4 11.35 ^{1.0}		7.		7.
9 _n			11.8	11.8 11.75 ^{1.0}				
10 _n			13.2	13.3 13.25 ^{1.0}				
11 _n			13.3	13.2 13.25 ^{1.0}				
12 _n			13.5	13.5 13.50 ^{0.0}				
+87° 12	7.1 ^{7.4}	6.9 ^{7.2}	B	7.30 ^{1.1}	7.	a ² 12.9	12.85 ^{1.0} a'	12.8
+88° 2	7.4 ^{7.7}	7.2 ^{7.5}	B	7.60 ^{1.1}		a ² 13.1	13.15 ^{1.0} a'	13.2
+88° 90	8.6 ^{8.9}		7.1	9.00 ^{1.1}		13.9	13.90 ^{0.0} a'	13.9
+88° 105	7.7 ^{8.0}	7.5 ^{7.8}	B	7.90 ^{1.1}		a ² 13.3	13.35 ^{1.0} a'	13.4

Measurements
of a' & a²
added
later
Feb. 27
Time 2:30
2:40

Friday, February 27, 1914

Scale P	In C 4706			Pole	Images a'		Images a''	
	Sc. 1	Sc. 2			Sc. 1	Sc. 2	Sc. 1	Sc. 2
a' $\pm$		11.2	11.1	11.15° ±	$\pm$	$\pm$	$\pm$	$\pm$
a''		12.4	12.4	12.40° ±				
f		11.9	12.1	12.00° ±				
c		12.9	12.7	12.80° ±				
d		12.4	12.3	12.35° ±				
e		12.6	12.6	12.60° ±				
f		13.3	13.3	13.30° ±				
g		13.2	13.3	13.25° ±				
h		$\pm$	14.3?	14.3° ±				
k								
l								
m								
n								
o								
q								
r								
t								
w								
y								

B. Two or three later stars of this sequence are visible - omitted when measuring. 47. In Feb. 27 1914.

Friday, February 27, 1914

Scale P	mc 4706		Pole		Images a'		Images a''	
	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2
45	7.	10.1	10.2	10.15 10	7.	7.	7.	7.
55		10.4	10.4	10.40 00				
65		11.5	11.5	11.50 00				
75								
85								
1.25	90	7.						
105								
115								
125								
135								
145								
155								
165								
175								
185								
195								
205								
215								
225								
235								
245								

Friday, February 27, 1914

Scale In.	Mc 4767		Pole	Images a'		Images a''			
	Sc.1.	Sc.2.		Sc.1	Sc.2	Sc.1	Sc.2	mean	
2m B.				^{a2} 5.3 ⁵⁵	^{a2} 5.3	^{a'} 5.2 ⁵⁴	^{a'} 5.3	5.38	1.1 0.1
3m 1.8 ²⁰			2.0	^{a2} 6.9 ¹¹	6.8	^{a'} 6.8 ¹⁰	7.2	7.02	1.1 0.2
4m 2.7 ²⁹			2.9	^{a2} 7.	8.4	^{a'} 7.	8.2	8.30	.1 .1
5m 3.3 ³⁵	B.		3.5		8.3		8.5	8.40	.1 .1
6m 4.1 ⁴³	4.2		4.25		8.9		9.4	9.15	.3 .2
7m 4.8 ⁵⁰	5.3		5.15		9.7		9.	9.7	.2 .1
8m 5.8 ⁶⁰	5.9		5.95		7.		10.1?	10.1?	. . . 2
9m 6.4 ⁶⁶	6.7		6.65				7.		
10m 7.	8.3	8.3	8.30						
11m	8.2	8.2	8.20						
12m	8.5	8.6	8.55						
				Images a'		Images a''			
+87° 12	2.4 ²⁶	B.	2.6	^{a2} 7.	^{a2} 7.1	^{a'} 7.	^{a'} 7.8	7.80	.0 .0
+88° 2	2.8 ³⁰	B.	3.0	^{a2}	^{a2} 7.9	^{a'} 7.	^{a'} 7.9	7.90	.0 .0
90	3.7 ³⁹	B.	3.9		8.9	7.	8.9	8.90	.0 .0
105	2.6 ²³	B.	2.8	^{a2}	^{a'} 8.2	^{a'} 7.	^{a'} 8.2	8.20	.0 .0

* Superficial or another star? * Defective.

Friday, February 27, 1914

Scale m	mc 4767		Pole	Images a'		Images a ²	
	Sc.1	Sc.2		Sc.1	Sc.2	Sc.1	Sc.2
a' 5.9 ^{6.1}		5.8	5.95	$\frac{7}{16}$	10.0	7.	7. 10.0
a ² 7.		7.8	7.8		7.		
b 6.7 ^{6.9}		6.8	6.85				
c 7.		7.9	7.9				
d 7.		7.3	7.3				
e		7.9	7.9				
f		8.2	8.2				
g		8.3	8.3				
h		9.5 9.3	9.40				
k		8.4	8.4				
l		8.8	8.8				
m		8.8 8.9	8.85				
o		9.4 9.5	9.45				
q		9.6 9.4	9.50				
r		* 9.9	9.9				
t		10.0	9.9				
w		* 7.3	7.3				
y		10.3? 10.1?	10.20				

* Wrong star meas. first

Friday, February 27, 1914

Scale in	In C 4767		Pole	Images a'		Images a''	
	Se.1	Se.2		Se.1	Se.2	Se.1	Se.2
45	4.9 ^{5.1}	5.1	5.10	7.	9.8	7.	9.75
55	5.5 ^{5.7}	5.6	5.65		9.9	9.8	9.85
65	6.2 ^{6.4}	6.4	6.40		10.1 ²	9.9	10.00 ²
95	7.	10.2 ²	10.0	7.	7.		
105		7.					
115		7.					
125							
135							
145							
155							
165							
175							
185							
195							
205							

4.54

Saturday, February 28, 1914

12.30		Measures for Color Index with New Grating										
Scale in		in C 4712		Pole		Images a'		Images a''				
		Sc.1	Sc.2	Sc.2	Diff.	Ptm.	Sc.1	Sc.2	Sc.1	Sc.2	Diff.	Ptm.
Defective	5	1.1 ^{1.3} 2.3 ²			5.19	5.13	7.	7.4	7.17 2 3 0 6.9	7.2	-0.68 -32	-0.74
	6	2.1 ²			4.81	4.71		8.2	8.15 0 1 +	8.1	-1.04	-1.14
	7	3.1 2.9			4.22	4.34		8.8	8.70 1 1	8.6	-1.39	-1.26
	8	4.1 3.9		B.	4.13	3.87		9.2	9.05 2 1	8.9	-0.82	-1.08
	9	5.0 4.8	5.15 2 1 7	5.3	3.68	3.46		10.0	9.90 1 1	9.8	-1.07	-1.29
	10	5.7 5.8	5.45 1.0	5.6	3.37	3.29		10.2?	10.05 2 1	9.9	-1.03	-1.11
	11	6.3 6.5	6.40 1.1	6.3	3.15	2.90		10.2?	10.20 a 1	10.1	-0.65	-0.90
	12	6.4 6.6	6.65 0.1	6.7	3.21	2.89		10.2?	10.25 0.1	10.3?	-0.39	-0.71
	13	7.		7.6	2.70	2.65		7.		7.		
	14			7.6	3.05	2.84						
Defective	15			8.1	2.38	2.68						
	16			8.4	3.00	2.67						
	17			8.5	3.13	2.68						
	18			8.9	3.16	3.03						
	19		9.13 1 2 2 9.2	9.3 1.9	3.29	3.09						
	20		9.7 1.0 0 9.7	9.4	3.03	2.95						
	21		9.7 0 2 2 9.1	9.3 1.8	3.89	..						
	22		9.7 0 0 9.7	9.7	3.49	..						
	23		9.85 0.1 9.8	9.9	3.49	3.49						
	24		10.35 1.0 10.3?	10.4?	3.29	..						
25		10.15 0.1 10.2?	10.1?	3.72	..							
26			7.	7.								
27												
28												
+87° 15		4.3 ^{4.5}		B.			7.	9.4	7.	9.4		
+88° 80		5.2 ^{5.4}		5.2	—		7.			7.		
86		4.8 ^{5.0}		4.9			9.9			9.9		
115		5.8 ^{6.0}		5.8			10.1?			9.9		

26

Saturday February 28, 1914

Measurements for Color Index (cont.)

Scale in	mc 4712		Pole	Images a'		Images a''	
Sc.1	Sc.1	Sc.2		Sc.1	Sc.2	Sc.1	Sc.2
	2m 1.7 ¹⁹		1.9	7.0 ¹⁷	7.2	6.8 ¹⁹	6.9
	3m 2.8 ³⁰	B.	3.0	7.	8.7	7.	8.8
	4m 4.1 ⁴³	4.0	4.15	.	9.3		9.4
	5m 4.3 ⁴⁵	4.6	4.55		9.5		9.5
	6m 5.5 ⁵⁷	5.9	5.80		9.9		9.8
	7m 6.8 ⁷⁰	~~6.7~~ 5.9	6.85		10.3?		10.2?
	8m 7.	7.8 7.6	7.70		7.		7.
	9m	8.2 8.1	8.15				
	10m	9.3 9.3	9.30				
	11m	9.3 9.2	9.25				
	12m	9.9 9.7	9.80				
	+87° 12m 3.8 ⁴⁰	B.	4.0	7.	9.9	7.	9.1
	+88° 2m 4.1 ⁴³	4.1	4.20		9.2		8.9
	90 5.2 ⁵⁴	5.5	5.45		9.9		9.9
4.1	105 4.3 ⁴⁵	4.1	4.30		9.6		9.5

Saturday, February 29, 1914

Measurements for Color Index (cont.)

Scale to	m c 4712		Pole	Images a'		Images a''	
	Sc.1.	Sc.2.		Sc.1	Sc.2	Sc.1	Sc.2
a'	7.	7.6		7.	7.	7.	7.
a''		8.8					
b		8.4					
c		8.9					
d		8.6					
e		8.9					
f		9.3					
g		9.3	9.3				
h		10.3?	10.3?				
k		9.7	9.7				
l		9.8	9.8				
m		9.8	9.8				
n		9.8	9.9				
o		7.					
p		7.					
q		7.					
r		7.					
s		7.					
t		7.					
u		7.					
v		7.					
w		7.					
x		7.					
y		7.					

28

Saturday, February 28, 1914

Measurements for Color Index (cont.)

Scale In.	mc 4712		Pole	Images ¹		Images ²	
	Sc.1	Sc.2		Sc.1	Sc.2	Sc.1	Sc.2
45	6.7 ⁶⁹	6.7		7.	10.2?	7.	9.9
55	7.0 ⁷²	7.2			7.		7.
65	7.	7.9 7.9					
95		7. 7.					
2.33	105						
(32 m out)	115						
	125						
	135						
	145						
	155						
	165						
	175						

Wednesday, March 4, 1914

9.47

Satellites of Saturn

Scale R.

C 17944

h. P. S.

	Sc. 1	Sc. 2	Mean	D. H.
10	7.3 76		76	1.42
11	7.8 8.1	B	8.1	1.45
12	8.0 8.3	8.1	8.20	1.66
13	8.7 9.0	8.8	8.90	1.40
14	7.	9.9	9.9	0.75
15		10.6	10.6	0.48
16		10.8	10.8	0.60
17		11.2 11.2	11.20	0.43
18		11.9 11.9	11.90	0.16
19		12.4 12.2	12.30	0.12
20		12.9 12.9	12.90	-0.17
23		13.8 13.7	13.75	-0.41
25		14.2 14.3	14.25	-0.38
26		14.2 14.2	14.20	0.13
27		7. 7.		

7.4	7.7	2	7.5	7.8	B	7.75	1.59	9.34	1.66	9.41
B	8.7	9.0	8.9	8.95	1.17	10.12	1.16	10.11		
f	7.		10.2	9.9	10.05	0.79	10.84	0.76	10.81	
6			10.7	10.7	10.70	0.56	11.26	0.59	11.29	
2			11.4	11.7	11.55	0.26	11.81	0.35	11.90	

Wednesday, March 4, 1914

Scale R		C 17944		Comparison star sequence			
		Sec. 1	Sec. 2				
not on plate not on plate out of focus	1	.		Mean	ave		
	2	.			Diff	Magn.	Diff.
	3	5.9	6.2	6.2			2.8 3.04
	4	6.7	7.0	7.0			1.98
	5	6.8	7.1	7.1			1.88
out of focus out of focus	6	6.8	7.1	7.1			2.12
	7	7.6	7.9	7.9	1.54	9.44	0.02 1.56
	8	6.8	7.1	7.1			2.18
out of focus	9	8.8	9.1	9.4	9.25	10.8 10.33	0.04 1.17 ²
	10	7.	10.6	10.6	0.50	11.10	0.00 0.50 1.04
	11		10.9	10.9	0.50	11.50 ⁴	0.16 0.66
	12		10.9	10.9	0.50	11.50 ⁴	0.09 0.59
	13		11.4	11.4	0.31	11.41 ⁷	0.14 0.45
	14		11.6	11.6	0.25	11.85	- 0.05 0.20
	15		11.8	11.8	0.18	11.98	- 0.15 0.03
	16		11.8	11.8	0.18	11.98	0.14 0.32
	17		12.2	12.2	0.07	12.27	0.05 0.12
	18		13.2	13.2	- 0.22	12.98	- 0.31 - 0.53
close to the planet.	19		12.3	12.3	0.04	12.34	+ 0.24 0.28
	20		13.3 13.3	13.30	- 0.25	13.05	- 0.07 - 0.32
	21		13.3 13.2	13.25	- 0.22	13.03	- 0.04 - 0.26
	22		13.6 13.6	13.60	- 0.33	13.27	- 0.07 - 0.40
	23		13.9 13.7	13.85	- 0.39	13.46	- 0.26 - 0.65
	24		14.1 ¹² 14.3 ¹²	14.20			- 0.63?
	25		7	7.			
	26		—				
	27						
	28						
10.45						29	

Thursday, Feb. March 5, 1914

9.59
Scale R

Satellites of Saturn

	C 17936	K.P.S.	Mean	$\frac{C 17936}{K.P.S.}$	Diff
10	6.6 6.9		6.9	7.4	7.15 2.12
11	7.3 7.6		7.6	8.10	7.85 1.95
12	7.7 8.0		8.0	8.60	8.30 1.86
13	8.3 8.6	8.7	8.65	9.50	9.08 1.65
14	9.2 9.5	9.6	9.55	9.8	9.69 1.10
15	7.	9.9	9.9	10.6	10.25 1.18
16		10.6 10.6	10.60	10.9	10.75 0.80
17		11.1 11.1	11.10	11.40	11.25 0.53
18		11.8 11.8	11.80	12.05	11.92 0.26
19		12.3 12.2	12.25	12.35	12.30 0.17
20		13.3 13.2	13.25	13.15	13.20 - 0.52
23		13.9 14.0	13.95	13.95	13.95 - 0.61
25		7. 7.			
26					
27					

Satellites

						C.S. Curve	Magn.	
7.1 7.4	a	6.9 7.2	B.	7.30 11	2.08	9.38	2.42	9.72
8.2 8.5	B	8.3 8.6	8.2 8.4	8.42 12 20	1.69	10.11	2.03	10.45
		8.9 9.2	9.4	9.30 11	1.34	10.64	1.65	10.95
Too near planet.		7.	10.6? 10.6?	10.60? 00	0.48	11.38?	0.97	11.57?

Images elongated.

Thursday, March 5, 1914

Satellites of Saturn (cont.)

Scale R

C 17936

Comparison star sequence

Sc.1

Sc.2

first on plate

1

2

3 5.7 6.0

4 5.9 6.2

5 6.2 6.5

6 6.2 6.5

7 6.5 6.8

8 6.5 6.8

9 7.8 8.1

9.3 10 8.9 9.2

11 7.

12

13

14

near planet.

15

16

17

18

19

20

21

22

23

24

25

26

B.

8.1

9.7

10.7

10.7

11.4

11.2

10.9

11.4

12.2

12.6

12.8

13.3

13.2

13.7

13.9

7.

7.

14.4

7.

6.0

6.2

6.5

6.5

6.8

6.8

8.10

9.40

10.7

10.7

11.4

11.2

10.90

11.4

12.2

12.60

12.85

13.30

13.20

13.55

14.00

14.4

2.19 8.69

2.19 8.69

2.12 8.92

2.12 8.92

1.81 9.91

1.30 10.72

0.74 10.44

0.74 10.44

0.41 11.81

0.50 11.70

0.65 11.55

0.41 11.81

0.08 12.28

-0.11 12.49

-0.20 12.65

-0.40 12.90

-0.38 12.82

-0.51 13.04

-0.70 13.30

9

Diff.

3.04

2.78

2.48

2.72

2.66

2.48

2.27

1.60

0.86

0.79

0.45

0.60

0.93

0.72

0.12

0.07

-0.27

-0.32

-0.21

-0.35

-0.80 ?

-

-

-0.05 ?

10.45

* Images elongated

Thursday March 5, 1914

2.06

Satellites of Saturn

Scale R.

C 17949

L.P.S.

	Sc. 1	Sc. 2	Mean	Diff
10	7.1 7.4	13.	7.4	1.62
11	7.8 8.1	8.1	8.10	1.45
12	8.3 8.6	8.6	8.60	1.26
13	9.1 9.4	9.6	9.50	0.80
14	7.	9.8	9.8	0.85
15		10.6	10.6	0.48
16		10.9	10.9	0.50
17		11.4 11.4	11.40	0.23
18		11.9 12.2	12.05	0.01
19		12.3 12.4	12.35	0.07
20		13.1 13.2	13.15	-0.42
23		14.0 13.9	13.95	-0.61
25		7. 7.		
26				
27				

Satellites

C.S. Curve Magn.

7.8 8.2	7.6 7.9	13.	8.00	1.48	9.48	1.52	9.52	
13	8.8 9.1	9.3	9.20	1.01	10.21	1.03	10.23	R.
1		10.6 10.3	10.45	0.60	11.05	0.60	11.05	Ja.
5								
2								

Thursday, March 5, 1914

Satellites of Saturn (cont.)

Scale R	C 17949	Comparison star sequence				
	Sc.1	Sc.2				
Not on plate	1					
" " "	2					
	3 6.7 7.0	6.7	7.0			2.04
	4 7.2 7.5		7.5	1.68	9.18	1.48
7.5	5 7.1 7.4		7.45	1.71	9.16	1.53
7.2	6 7.2 7.5		7.5	1.68	9.18	1.72
	7 7.7 8.0		8.0	1.48	9.48	1.46
	8 7.1 7.4	B	7.4	1.72	9.12	1.88
	9 8.9 9.2	9.5	9.35	0.98	10.33	1.02
	10 8.7	10.4	10.4	0.61	11.01	0.90
	11 7	11.2	11.2	0.32	11.52	0.36
	12	11.3	11.3	0.30	11.60	0.19
	13	11.7	11.7	0.18	11.88	0.15
	14	11.7	11.7	0.18	11.88	0.10
	15	11.8	11.8	0.13	11.93	0.03
	16	12.1	12.1	0.03	12.13	0.02
	17	12.4	12.4	- 0.08	12.32	- 0.08
	18	12.8	12.8	- 0.21	12.59	- 0.13
Too near planet.	19	11.8?	11.8	+ 0.13	11.93	0.65 ⁷⁸ ?
	20	12.9	12.9	- 0.25	12.65	+ 0.08
	21	13.3 13.2	13.25	- 0.39	12.86	- 0.26
	22	13.6 13.3	13.45	- 0.46	12.99	- 0.25
	23	13.8 13.7	13.80	- 0.59	13.21	- 0.60
	24	14.2? 14.2?	14.20?			- 0.63
	25	14.3? 14.2?	14.25?			+ 0.10
	26	7. 7.				
2.53	27					

* Images of Satellites + Comp. stars slightly more elongated than h.P.S.

Thursday, March 5, 1914

3.13

Satellites of Saturn

Scale R.

C 17919

Comparison stars

Sc. 1

Sc. 2

hoten plate

1

2

51 6.1 3 5.8 6.1

6.10 + 2.94

58 6.1 4 5.7 6.0

6.05 2.93

62 6.5 5 5.9 6.2

6.35 2.63

6 6.4 6.7

6.7 2.52

7 7.1 7.4

7.4 2.06

8 6.8 7.1

7.1 2.18

9 6.8 7.1

9.1 1.27

10 7.1

10.2 0.90

11

11.4 0.16

12

11.2 0.29

13

11.9 - 0.05

14

11.7 + 0.10

15

11.9 - 0.07

16

12.3 - 0.18

17

12.8 - 0.48

18

13.3 13.4 13.35 - 0.68

19

13.3 13.5 13.40 - 0.82

20

13.9 13.7 13.80 - 0.82

21

13.7 12.7 13.70 - 0.71

22

14.0 13.9 13.95 - 0.75

23

13.9 13.9 13.90 - 0.70

24

7.1 7.1

25

7.1 7.1

Satellites

Sc. 1

Sc. 2

C.S. mean Curv Magn.

6.6 6.9 2 6.7 7.0

6.90 2.32 9.27

B 7.9 8.2

8.20 1.73 9.93

9.1 9.4 8.7 9.0

9.30 1.22 10.52

8 7.1

10.2 10.1 10.15 0.92 10.78 11.07

8 9.8 9.7

9.75 1.06 10.81 Ja.

Friday, March 6, 1914

3.30

Satellites of Saturn

Scale R.	C 17960	Comparison stars		
Elongated - E.	Sec. 1	Sec. 2	mean	diff
" "	1 1.0 1.3		1.3	5.51
" "	2 1.8 2.1		2.1	5.80
" "	3 3.7 4.0		4.0	5.04
" "	4.4 4 4.5 4.8		4.75	4.23
E.	4.9 5 3.9 4.2		4.20	4.78
Poor focus, E.	6 4.6 4.9		4.9	4.32
" " "	7 5.3 5.6		5.6	3.86
" " "	8 4.7 5.0		5.0	4.28
" " "	9 6.5 6.8		6.8	3.57
	10 7.7 8.0	B.	8.0	3.10
	11 8.4 8.7	8.6	8.65	2.91
	12 8.1 8.4	8.3	8.35	3.14
	13 8.9 9.2	9.4	9.30	2.35
	14 8.9 9.2	8.9	9.05	2.75
	15 9.1 9.4	9.6	9.50	2.33
	16 7.	9.8	9.8	2.32
	17	10.4	10.4	1.93
	18	10.7	10.7	1.97
	19	10.9	10.9	1.68
	20	11.3 11.7 11.2	11.25	1.73
	21	11.4 11.2	11.30	1.69
	22	11.8 12.3 11.8	11.97	1.23
	23	13.1 11.9	12.00	1.20
	24	13.4 13.3	13.35	1.22 5.2 5.5 5.4 5.7
	25	7. 7.		7.5 7.8 7.6 7.9
	26			7.8 8.1 7.7 8.0
	27			7.7 8.0 7.6 7.9
Ja.	4.10			
	28			

Satellites

Sec. 1 Sec. 2 mean CS Curve Magn.

5.60 4.01 9.61

5.05 3.17 11.02

5.05 3.09 11.14

5.05 3.13 11.08

5.05 3.14 12.69

5.05 3.14 12.69

5.05 3.14 12.69

5.05 3.14 12.69

Saturday, March 7, 1914

11.42

Satellites of Saturn

Scale P

C 17932

h.P.S.

Se.1	Se.2	Mean	Diff
10 6.6 6.9		6.9	2.12
11 6.8 7.1		7.1	2.45
12 7.5 7.8	B.	7.8	2.06
13 8.3 8.6	8.4	8.50	1.80
14 8.8 9.1	8.9	9.00	1.65
15 9.2 9.5	9.9	9.70	1.38
16 7.	~~10.1~~ 9.9	10.00	1.40
17	10.4 10.3	10.35	1.28
18	~~11.3~~ 11.1	11.20	0.86
19	11.9 11.9	11.90	0.52
20	12.7 12.4	12.55	0.18
23	13.3 13.3	13.30	0.04
25	7. 7.		
26			
27			

Satellites

						C.S. Curve	Magn.	C.S. Curve	Magn.	
6.5 6.8 α	6.6 6.9	B.	6.85	2.42	9.27	-0.53	7.38	2.47	9.32	
7.6 7.9 β	7.4 7.7	B.	7.80	2.07	9.87	-0.85	8.65	2.15	9.95	R.
8.2 8.5 γ	8.1 8.4	8.6 8.3	8.45	1.85	10.30	-1.08	9.7	1.92	10.37	
8.1 8.4 δ	8.3 8.6	8.4 8.3	8.42	1.85	10.27	-1.07		1.93	10.35	Ja.
ε 8.8 9.1		9.3	9.20	1.60	10.80	-1.36		1.64	10.84	

Saturday, March 7, 1914

Satellites of Saturn (cont.)

Scale R. C 17932 Comparison star sequence

Sc.1

Sc.2

Not on plate

1

" " "

2

" " "

3

D.F.

4 6.3 6.6

6.6

~~8.50~~

2.38

5 6.4 6.7

6.7

2.50

9.20

2.28

E. poor focus

6 5.9 6.2

6.2

3.02

Not on plate

7

8 6.5 6.8

~~8.4~~

6.8

2.43

9.23

2.66

E. poor focus

9 7.8 8.1

8.4 8.1

8.20

1.92

10.12

2.17

E. poor focus

10 7

9.7

9.8

1.41

11.21

1.30

11

10.4

10.4

1.23

11.63

1.16

12

10.2

10.2

1.29

11.49

1.29

13

10.7

10.7

1.16

11.86

1.15

14

10.8

10.8

1.14

11.94

1.00

15

10.9

10.9

1.11

12.01

0.98

16

11.3

11.3

1.01

12.31

0.82

17

11.5

11.5

0.97

12.47

0.82

18

12.4

12.4

0.75

13.15

0.27

19

12.5

12.5

0.74

13.24

0.08

20

12.8 13.0

12.90

0.64

13.54

0.08

21

12.9 12.5

12.70

0.69

13.39

0.29

22

13.1 13.1

13.10

0.60

13.70

0.10

23

13.8 13.7

13.75

- 0.55

24

14.2 14.0

14.10

?

- 0.53

25

7 7

26

27

28

12.36

Monday, March 9, 1914

Satellites of Saturn

11.57

Scale	R.	C 17940	H.P.S.	
		Sc.1.	Sc.2.	Mean Diff
		10.6.8 7.1		7.1 1.92
		11 7.7 8.0	B.	8.0 1.55
		12 7.8 8.1	B.2	8.15 1.71
		13 8.9 9.2	9.5	9.35 0.95
		14 7.	10.3	10.3 0.35
		15	10.7	10.7 0.38
		16	10.9 11.1	11.00 0.40
		17	11.6 11.8	11.70 -0.07
		18	12.3 12.3	12.30 -0.24
		19	12.9 12.9	12.90 -0.48
		20	13.6 13.5	13.55 -0.82
		23	14.2 14.4	14.30 -0.96
		25	7.	7.
		26		
		27		

Satellites

						C.S. Curve	Magn.	
6.1 6.4	6.1 6.4		6.40			2.63	9.03	
B	7.9 8.2	B.	8.1 8.15	1.59	9.74	1.20	9.35	R.
Y	7.	10.7	10.7	10.70	0.41	11.11	-0.26	10.96
7.						-1.59	11.36	D
							11.54	
6.		12.7	13.2	12.95	-0.52	12.43		
7.		12.8	10.9	10.85	+0.38	11.23	-0.34	10.51
							11.19	Da.

Images of satellites and comp. star larger and less distinct than H.P.S.

Monday, March 9, 1914

Satellites of Saturn (cont.)

Scale P	C 17940	Comparison star sequence
	Sc.1	Sc.2
Not on plate	1 .	
" " "	2 .	Diff.
E. Poor focus	3 5.9 6.2	6.2 2.84
	4 5.3 5.6	5.6 3.38
	5 5.5 5.8	5.8 3.18
E. Poor focus	6 7.2 7.5	B. 7.5 1.85 9.35 1.72
" " "	7 8.4 8.7	8.3 8.50 1.45 9.95 0.96
" " "	8 7.7 8.0	B. 8.0 1.65 9.65 1.28
" " "	9 7.	¹⁰ 9.8 10.8 10.80 0.38 11.18 - 0.43
	10	11.9 11.8 11.85 - 0.09 11.76 - 0.75
	11	13.6 13.8 13.70 - 0.80 12.90 - 2.14
	12	13.7 13.8 13.75 - 0.81 12.94 - 2.26
	13	14.2 14.3 14.25 - 0.95 13.30 - 2.40
	14	13.9 14.1 14.00 - 0.90 13.10 - 2.20
	15	14.3 14.4 14.35 - 2.52
	16	7. 7.
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	

12.42

Tuesday, March 10, 1914

11.40

Satellites of Saturn

Scale R

C 17920

Comparison Star Sequence

	Sc. 1	Sc. 1	Sc. 2	
not on plate	1	.		5.2
" " "	2	.		
E.	3	4.8 5.1		5.1 3.94
5.2	4	4.7 5.0 4.9 5.2		5.23 3.75
	5	5.4 5.7		5.7 3.28
E.	6	5.6 5.9		5.9 3.32
	7	5.7 6.0		6.0 3.46
E.	8	5.9 6.2		6.2 3.08
	9	6.9 7.2	B.	7.2 3.17
	10	8.5 8.8	8.7	8.75 2.35
	11	7.	9.7	9.7 1.86
	12		9.6	9.6 1.89
	13		10.5	10.5 1.35
	14		10.3	10.3 1.50
	15		10.6	10.6 1.23
	16		10.4	10.4 1.72
	17		11.4	11.4 0.92
	18		11.6	11.6 1.07
	19		11.9	11.9 0.68
	20		11.8 11.9	11.85 1.13
	21		12.1 12.2	12.15 0.94
	22		12.8 12.5	12.65 0.55
	23		12.9 12.9	12.90 0.30
	24		13.8 13.8	13.80 - 0.23
	25		14.1? 14.3?	14.20 + 0.15?
7.2	26		7.2 7.2	
	27		7. 14.3?	14.3 - 0.01?
	28			

Satellites

mean C.S. Curve magn.

5.8 6.1	α.	5.9 6.2	6.15	3.38	9.53
7.3 7.6	β	7.1 7.4	B	7.50	2.86
8.4	γ	8.7	8.7	8.70	2.34
7.8 8.1	δ	7.9 8.2	B	8.15	2.59
8.8	ε	9.1	9.1	9.10	2.13
					10.36 R.
					11.04
					10.74 Ia.
					11.23

Images of satellites slightly more elongated than those of comparison sequence.

R.

e.

han

Saturday, November 14, 1914

3.45

MD 348

Scale R.

MD 6584

Pol

P.C.

	Sc.1	Sc.2	MD 6590 7.47	Mean	Diff.	Sc.1	Sc.2	MD 6590 7.47	Diff
5	6.4		6.2	6.45	32	0.04	9	11.30	11.30 - 4.81
6	7.8	13.	8.0	8.05	10	-0.94	12.2	12.1	12.15 0.1 12.10 12.12 - 5.01
8	7	9.9	10.1	10.00	1.1	-1.77	13.2	13.4	13.30 1.1 13.40 13.35 - 5.12
9		10.7	10.9	10.80	1.1	-1.97	13.8	13.7	13.75 0.1 13.85 13.80 - 4.97
10		10.8	11.2	11.00	2.2	-1.98	13.8	13.9	13.85 0.1 13.90 13.88 - 4.86
11		11.3	11.7	11.50	2.2	-1.95	7		14.00 14.00 - 4.45
12		11.8	11.9	11.85	0.1	-1.99	7		f . . .
13		12.3	12.4	12.35	1.0	-2.05			
14		12.7	12.8	12.75	1.0	-2.10			
15		12.9	13.2	13.05	1.5	-1.97			
16		13.1	13.45	13.28	1.7	-1.88			
17		13.5	13.75	13.68	0.07	-2.05			
18		14.0	14.05	14.00	0.05	-1.94			
19		14.0	13.90	13.92	0.02	-1.50			
20	7	7	f	f					
23									
25									
26									
27									

Saturday, November 14, 1914

TnD Series 347

copied

Scale R	Tn D 6585	D ₁₁	alt. -18	P.C.		
	Sc.1	Sc.2	Curvo. Magn	Sc.1	Sc.2	Curvo. Magn
	1.82 ⁸⁵	8.0 8.4	0.48 2.31 ³⁰	-1.08	7.22	7.28
	2.88 ⁹¹	8.9	9.00 1.1	-1.40	7.60	7.73
Too far from centre	3					
	4.89 ⁹²	9.1	9.15 0.1	-1.47	7.68	7.77
	5.88 ⁹⁵	9.1	9.10 0.0	-1.44	7.66	7.82
94.	6.89 ⁹²	9.7	9.4 0.2 30	-1.57	7.85	8.01
	7.7	9.8		-1.69	8.11	8.53 ⁴
	8.7	9.4		-1.57	7.83	8.01
	9	10.1		-1.79	8.31	8.68
	10	10.4		-1.86	8.54	8.68
	11	10.3		-1.83	8.47	8.83
	12	10.9		-1.97	8.93	Does not compare
	13	11.0		-1.98	9.02	4.90 9.00
	14	11.8		-2.01	9.79	4.72 9.38?
	15	11.9		-2.02	9.82	4.72 9.38?
	16	11.8		-2.01	9.79	4.82 9.18
	17	12.0		-2.03	9.97	4
	18	12.4		-2.03	10.37	
	19	12.3		-2.03	10.27	
	20	12.7		-2.03	10.67	
	21	12.5		-2.03	10.47	Star images cont.
	22	12.8		-2.03	10.77	Sc.1. Sc.2
	23	13.1		-2.01	11.07	14.0 13.9 13.95 0.1 -1.83 12.12
	24	12.6		-2.03	10.57	Does not compare
	25	13.4 13.5 13.45 0.1		-1.98	11.47	14.1? 14.0 14.05 1.0 -1.78 12.27 ²
	26	13.6 13.7 13.65 0.1		-1.95	11.70	
	27	13.7 13.7 13.70 0.0		-1.93	11.77	
	28	13.7 13.7 13.70 0.0		-1.93	11.77	

Saturday, November 14, 1914

In D Series 347

Scale R	In D 6590	Pole	P. C.
	Sc.1	Sc.2	Sc.1
	Sc.2		Sc.2
7.28	5.9	B.	7.
7.73	6.7	B.	11.3 11.3 11.30 00
7.97	8.7	10.1	12.2 12.0 12.10 11
7.77	9	10.9	13.4 13.4 13.40 00
7.82	10	11.2	13.8 13.9 13.85 01
8.01	11	11.7	13.9 13.9 13.90 00
8.53	12	11.9	14.0 14.0 14.00 00
8.01	13	12.4	7. 7.
8.68	14	12.8	
8.68	15	13.1 13.3 13.20 11	
8.83	16	13.5 13.4 13.45 10	
	17	13.8 13.7 13.75 01	
9.00	18	14.1 14.0 14.05 10	
9.38?	19	13.9 13.9 13.90 00	
9.38?	20	7. 7.	
9.18	23		
9.1	25		
	26		
	27		

4.35

12.2

12.27

Friday March 12, 1915

4.10 Sc. m

mD Series 309

m & 6146 Pole

PC

	Sc. 1	Sc. 2	Sc. 3	Sc. 4	Sc. 1	Sc. 2
Does not compare	5.	B			6.8 ⁷⁰	7.1 7.0501 - 0.56
	6 4 ⁴⁵ ₃	B.	2.61		7.	8.0 7.9 7.9501 - 0.84
Wrong unit	8 5 ⁶⁰ ₂	5.8	5.90 1.1 2.33			9.0 9.0 9.0000 - 0.77
	9 6 ¹¹ ₉	7.1	7.10 0.0 1.73			9.8 9.7 9.7501 - 0.92
	10 7.	7.2	1.82			9.9 9.9 9.9000 - 0.88
	11	7.7	1.85			4.
	12	8.1	1.76			
8 m. poor.	13	8.7?	1.60			
	14	8.8 8.8	8.80 0.0 1.85			
	15	9.1 9.0	9.05 1.0 2.03			
	16	9.4 9.3	9.35 0.1 2.05			
	17	9.7 9.7	9.70 0.0 1.93			
	18	9.8 9.9	9.85 0.1 2.21			
	19	7 7				
	20	7				
	23					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

This plate the only pole plate to be measured for this series, as the last pole plate has a much fainter limiting magnitude. "H. S. L."

Friday, March 12, 1915

Copied

Sc. In.

mD Series 309

mD 6147 X Cygnus

alt + 21

P.C.

	Sc. 1	Sc. 2	Cu. Magn	Sc. 1	Sc. 2	Cu. Magn
	1.8			5.4		
	1.6			5.2	5.4	5.40 0.0
	2.2			5.7		
	2.0			5.7	{ 5.7	5.80 .11
	2.3			6.1	9.8	9.80 .00 -0.88 8.92
	2.1			5.9	6.2	6.15 1.0 -0.62 5.53
	2.3			6.4		
	2.1			6.2	6.4	6.40 0.0
	3.5			6.9		
	3.3			6.7	6.8	6.85 1.0 -0.58 6.27
	4.0					
m	3.8	B.			7.2	-0.64 6.56
	3.9					
m	3.7	B.			7.7	-0.71 6.99
	4.7					
g	4.5	5.0?	4.85 1.2 2.53 7.38?		8.1	-0.77 7.33
	4.5				{ 7.9	-0.74 7.16
Double; h. meas.	k	4.3	4.40 1.1 2.64 7.04		{ 9.7	-0.88 8.82
	4.8					
o	4.6	4.7?	4.75 0.1 2.56 7.31?		7.9	-0.74 7.16
	5.0					
n	5.2	5.2	5.20 0.0 2.45 7.65		8.7	-0.84 7.86
	5.7					
s	5.5	5.7	5.70 0.0 2.30 8.00		8.7	-0.84 7.86
	6.5					
t	6.3	6.4	6.45 1.0 2.04 8.49		9.7	-0.88 8.82
	6.0					
p	5.8	5.9	5.95 0.1 2.21 8.16		9.1	-0.86 8.24
	6.5					
w	6.3	6.7	6.60 1.1 1.99 8.57		9.8	-0.88 8.92
	6.9					
u	6.7	7.1	7.00 1.1 1.86 8.86		10.0	-0.88 9.12
	7					
z	7	7.4	1.79 9.19		10.0	-0.88 9.12
	7					
x	7	8.0	1.78 9.78		7	
y		8.3	1.79 9.99			
y		8.9	1.99 10.89			
δ		8.9 8.9	8.90 0.0 1.99 10.89			
α		8.9 8.8	8.85 1.0 1.89 10.74			
β		9.2 9.1	9.15 0.1 1.94 11.09			
γ		9.8 9.7	9.75 0.1 2.11 11.86			
ε		9.3 9.4	9.35 1.0 1.99 11.34			
θ		7 7				
η		9.9 10.0	9.95 1.0 2.18 12.13			
i		7 7				

455

Saturday, March 13, 1915

3.35

In D Series 63

Scale 7m.

In D 3047

Pole

Pe.

* (wrong unit)

Sc. 1	Sc. 2	MC 3052 7.52	Diff	Sc. 1	Sc. 2 3052 7.52	Diff
5 3.8	B.	37 385 12 1	2.64	7	7.6 7.6	7.60 00 7.45 7.52 08 07
6 4.1	4.8	47 485 10 470 478 07 08	2.33	8.1 8.1	8.10 00 8.00 8.05 05 05	- 0
8 6.0	6.1	615 61 630 622 07 08	2.01	8.9 9.0	8.95 10 9.00 8.98 03 02	- 0
9 6.8	6.9	695 01 695 695 00 00	1.88	9.6 9.4	9.50 11 9.50 9.50 00 00	- 0
10 6.9	7.2	715 10 73 722 07 08	1.80	9.9 9.8	9.85 10 9.75 9.80 05 05	- 0
11 7.1	7.9	77 780 11 1	1.75	9.8	10.00 9.90 10 10	- 0
12	8.0	81 805 01 1	1.81	7	F	
13	8.3	85 840 11 1	1.90	7		
14	8.8	87 875 01 1	1.90			
15	9.0	89 895 01 1	2.13			
16	9.0	89 895 01 9.20 9.08 13 12	2.32			
17	9.4	9.3 9.35 01 9.45 9.40 05 05	2.23			
18	9.8	9.8 9.80 00 9.80 9.80 00 00	2.26			
19	10.0	9.9 9.95 01 9.95 9.95 00 00	2.47			
20	10.0	9.9 9.95 01 10.00 9.98 03 02	2.75			
23	7					
25						
26						

Saturday March 13, 1915

Copied on sheets.
(Circum. var.)

M.D. Series 63

Scale in M.D. 3049 3 Boötis

Alt. + 22 P.C.

Diff		Sc.1	Sc.2	Alt.	Magn	Sc.1	Sc.2
08 07	-1.03	4.4 ⁴⁶ a 4.5 ⁴⁷	4.2 48	4.58 01 42	2.40 6.98	7.	7.9 7.8 7.55 10 - 0.99 6.86
05 05	-0.94	4.9 ⁵¹ a' 5.0 ⁵²	4.5 5.1	4.98 12.51	2.30 7.28		8.0 8.0 8.00 00 - 0.96 7.04
03 02	-0.75	5.4 ⁵⁶ a" 5.4 ⁵⁶	5.3 5.7	5.55 00 31	2.14 7.69		8.5 8.6 8.55 10 - 0.88 7.67
00 00	-0.67	6.2 ⁶⁴ b 5.8 ⁶⁰	5.9	6.10 31 22	2.02 8.12		8.7 8.7 8.70 00 - 0.85 7.83 ⁵
05 05	-0.75	6.7 ⁶⁹ b'	6.7	6.80 11 11	1.89 8.69		9.4 9.3 9.35 01 - 0.70 8.65
10 10	-0.38	6.9 ⁷¹ c	7.1	7.10 00	1.83 8.93		9.8 - 0.54 9.26
		d 7	7.7		1.80 9.50	lazy	.
		e	8.1		1.83 9.93	7	.
		f	8.1		1.83 9.93		.
		f'	8.7		1.95 10.65		.
		g	8.9		2.00 10.90		.
		h	9.0 8.9	8.95 01 20 ²⁰	10.96 ⁷¹		.
		k	9.3 9.4	9.35 10 21.7	11.54		.
		l	9.7 9.7	9.70 00 2.35	12.05		.
		l'	9.8 9.9	9.85 01 2.41	12.26		.
		m	9.9 9.9	9.90 00 2.44	12.34		.
		n	7 7.	.	.		.
		o	lazy	.	.		.
		p	7	.	.		.
		q		.	.		.

Var.

m.s.?

Saturday, March 13, 1915

M_D Series 63

Scale M	M _D 30521	Pole	P.C.	
	Sc.1	Sc.2	Sc.1	Sc.2
5	^{3.1} 3.5	B.	7.	7.4 7.5 7.45 01
6	^{4.5} 4.6	4.6 4.70 11		8.0 8.0 8.00 00
8	^{6.4} 6.2	6.2 6.30 11		9.0 9.0 9.00 00
9	^{7.0} 6.8	6.9 6.95 01		9.5 9.5 9.50 00
10	7	7.3		9.7 9.7 9.75 01
11		7.7		10.0
12		8.1		7.
13		8.5		
14		8.7		8.7
15		8.9		
16	9.2	9.2 9.20 00		
17	9.5	9.4 9.45 10		
18	9.8	9.8 9.80 00		
19	10.0	9.9 9.95 01		
20	10.0	10.0 10.00 00		
23	7.	7.		
25				
26				

4.31

Sc. 50

Monday, March 15, 1915

3.00

mD Series 107

Scale to

mD 3651

Pole

P.C.

Sc.1	Sc.1	Sc.2	mD	Diff	Sc.1	Sc.2	Diff
	35'		36.56				
	5 3.3	B	3.2 3.35 1.2	3.14	7.	7.5 7.6 7.55 1.0 7.30 7.42 1.3 1.2	-0.93
	44'					8.1	
(Wrong image)	6 4.2	B	4.32 4.36 2.1	2.75	8.2	8.15 0.1 8.00 8.08 0.7 0.8	-0.97
	6.2'	6.12 12.2	6.1 6.1 0.04 0.4	0.7			
	6.3'	5.9	6.1 6.1 0.04 0.4	2.12	9.0	9.0 9.0 0.0 9.20 9.10 1.0 1.0	-0.97
	6.0 8 6.1	6.85 2.1	7.00 1.5 1.5	1.85	9.8	9.7 9.75 0.1 9.85 9.80 0.5 0.5	-0.97
	9 6.8	6.7	7.15 0.98 1.2	1.85	9.8	9.8 9.8 0.0 9.90 9.85 0.5 0.5	-0.83
	10 7	7.1	7.3 7.20 1.1	1.82	7.	1.0 1.0 1.0 1.0 1.0 1.0	-0.45
	11 7	7.7	7.9 7.80 1.1	1.75		10.0 10.0 1.0 1.0 1.0 1.0	-0.14
	12	7.9	8.0 7.95 1.0	1.91			
	13	8.3	8.7 8.50 2.2	1.80			
	14	8.8	8.7 8.75 0.1	1.90			
	15	8.9	8.98 8.94 0.04 0.4	2.14			
	16	9.3	9.15 9.20 0.05 0.7	2.18			
	17	9.3	9.55 9.50 0.05 0.5	2.13			
	18	9.8	9.90 9.82 0.7 0.8	2.24			
	19	10.0	10.00 10.00 0.0 0.0	2.42			
	20	10.0	10.00 10.00 0.0 0.0	2.73			
	23	7					
	25						
	26						

Monday, March 15, 1915

InD Series 107

Scale 1m

InD 3654

7 Cephei

alt. +17

Pe

	Sc.1	Sc.2	Cur. Magn	Sc.1	Sc.2
a	27. 25			tp.	tp.
b	22. 20			tp.	tp.
c	25. 26	B.		68 690 11	68
d	35. 33	B	3.10 6.60	7	7.65 01 7.6 7.5 -0.96 6.57
e	47. 47	4.7	2.57 7.37		8.4 8.5 -0.96 7.49
f	58. 56	5.8	2.18 7.98 1.83 10.03	DB; h, mea.	8.9 8.9 -0.95 7.95
g	62. 60	6.15 0 1	2.06 8.21		9.3 9.0 -0.93 8.22
g'	52. 50	5.25 0 1	2.40 7.65		8.8 -0.96 7.84
h	57. 57	5.80 1 1	2.18 7.98		9.0 -0.94 8.06
h'	66. 64	6.65 0 1	1.90 8.55		9.7 -0.86 8.84
k	70. 68	7.2	1.80 9.00		9.9 -0.76 9.14
k'	70. 68	6.8	1.84 8.74		9.8 -0.81 8.99
p	70. 70	7.8	1.80 9.60		7.
l	70. 70	7.9	1.81 9.71		
m		8.0	1.81 9.81		
n		8.85 1.0 8.9 8.8	1.96 10.81		
o		8.75 0 1 8.8 8.7	1.93 10.68		
o'		8.8 8.90 1 1 8.8 9.0	1.98 10.88		
p		9.7 9.70 0 0 9.7 9.7	2.30 12.00		
q		9.7 9.75 1 0 9.7 9.8	2.33 12.08		
q'		9.2 9.10 1 1 9.2 9.0	2.02 11.12		
r		9.7 9.75 1 0 9.7 9.8	2.33 12.08		
r'		10.0 10.00 0 0 10.0 10.0	2.50 12.50		
s		7. 7.			
t		7. 7.			
u		6.40 1 1 6.5 6.3	1.98 8.38		
v		9.6 9.60 0 0 9.6 9.6	2.24 11.84		

Imm. fac. Does 2 Var.
not compare well

P.C. is poor, especially
for bright stars.

Monday March 15, 1915

mD Series 107

Scale m mD 3656 Pole

	Sc.1	Sc.2
5	³² 3.0	^B 4.1
6	⁴⁴ 4.2 ⁴⁶ 4.4	⁴³² 4.1 ¹³² 4.2
8	⁶³ 6.1	6.1
(Wrong unit) 9	⁷² 7.0	7.1
10	7	7.3
11		7.9
12		8.0
13		8.7
14		8.7
15		⁸⁹ 9.0 ⁸⁹⁵ 9.0
16		⁹¹⁵ 9.1 ⁰¹ 9.1
17		⁹⁵⁵ 9.6 ¹⁰ 9.6
18		⁹⁹⁰ 9.9 ⁰⁰ 9.9
19		¹⁰⁰⁰ 10.0 ⁰⁰ 10.0
20	7	7
23		
25		
26		

	Sc.1	Sc.2	P.C.
7	7.3	7.3	7.30 00
	8.0	8.0	8.00 00
	9.2	9.2	9.20 00
	9.8	9.9	9.85 01
	9.9	9.9	9.90 00
	10.0		
	10.0		
	7		

Sup ³57

4.10

Thursday, May 6, 1915

4.04

ac T' Plate for additional bright stars.

Scale ☉

ac 7895 R Draconis Var. Seg. alt 000

Sc. 1.

Sc. 3

On Magn

6.9 α 6.7

6.2 6.3 6.5-2 4232 - 1.16 5.36

β B.

6.9 7.2 7.05 - 1.2 - 1.18 5.87

γ

8.7 8.7 8.70 00 - 1.25 7.45

α

98.9 98 980? 00 . .

d

9.1 9.1 9.1 00 . .

8.8?

Images slightly elongated for this sequence.

Thursday, May 6, 1915

ac T' Plate for additional bright stars

Scale 0. ac 7895 P. Draconis N.P.S.

	Sc. 1	Sc. 2	* Sc. 3		Diff.
1	~~5.8~~ 5.7	~~5.8~~ 5.7	5.3	6.2 1.2	-1.02 -1.12
2	~~6.4~~ 6.7	~~6.4~~ 6.7	6.3	4.1 1.2	-1.09 -1.19
3	7.0		7.1	7.0 0.1	-1.09 -1.24
4	7		6.9	7.0 0.1	-0.66 -0.96
5	7		7.6	7.8 1.1	-0.91 -1.21
6			8.3	8.4 0.1	-0.94 -1.24
8			9.4	9.6 1.1	-0.97 -1.27
9					
10					
11					
12					

Too doubtful
Defective?

* Measured on Sc. 3

Forgot to change
des. of column
when measuring.

S.F.M. May 10, 1915

4.28

58

Thursday, May 6, 1915

4.30

ac T' Plate (for additional bright stars)

Scale 0 AC 9669 P Draconis Alt -0.02

	Sci	Sci		Sci	Magn
α	3.3 3.0	~~3.5~~	3.15 1.2	2.77	5.92
β	4.6 4.2	~~4.6~~	4.40 2.2	2.51	6.91
γ		5.4 5.3	5.35 0.1	2.31	7.66
δ		5.6 5.4	5.50 1.1	2.30	7.80
ϵ		5.8 5.7	5.75 0.1	2.25	8.00

Thursday, May 6, 1915

ac T' Plate (for additional stars)

Scale 0 ac 9669 R Draconis N.P.S.

	Sc.1	Sc.3		Diff
1	1.3	1.3	130 00	318
2	2.4	2.2	230 11	298
3	2.9	2.9	290 00	291
4	3.1	3.0	305 10	294
5	3.9	3.9	390 00	259
6	4.8	4.9	485 01	226
7	.	.	.	.
8		5.8	5.9 585 01	238
9		6.8	6.8 680 00	203
10		6.9	6.8 685 10	217
11		7.6	7.5 755 01	200
12				

4.51

60

Thursday, May 6, 1915

4.55

MC Series 257

Scale 17

MC 5535

Pole.

P.C.

	Sc.1	Sc.2		Sc.1	Sc.2	MC
5				8.6	8.4	5540
6				8.3	8.7	7.62
8				9.3	9.1	-286840
9				7.0	9.35	9.35 1.0 -224940
10				7	10.8	11.1 11.1 11.10 0.0 -2871085
11					11.6	11.9 11.8 11.85 1.0 -3021170
12					11.7	12.1 12.1 12.10 0.0 -3081190
13					12.4	12.7 12.8 12.75 1.0 -3201270
14					12.4	13.1 13.1 13.10 0.0 -3241305
						1335

MC
5540
7.62

Diff.

B. 2.12 6.5 6.70 2.2 2.32

B. 2.05 7.4 7.45 1.0 2.10

B. 1.86 7.7 7.85 2.1 2.01

B. 1.75 8.25 8.40 1.5 1.90

Mean

5 8.52 13 12 -2.03

6 9.38 03 02 -2.27

8 10.98 12 13 -2.75

9 11.78 07 05 -2.95

10 12.00 10 10 -2.98

11 12.72 03 02 -3.17

12 13.08 02 03 -3.22

13 13.35 0 0 -3.05

Thursday, May 6, 1915

INC Series 257

[illegible]

(See above) DP7: 178 Mean

Y 7.37 7.21 7.29 $\frac{08}{2}$ 08

62

Thursday, May 6, 1915

mc Series 257

for bright stars.

Scale R

mc 5540

Pole

P.C.

Sc.1

Sc.2

Sc.1

Sc.2

5

8.4

8.4

8.40 0.0

6

8.1

9.5

9.40 1.1

8

9.3

10.8

10.85 0.1

9

11.7

11.7

11.70 0.0

10 6.5

11.9

11.9

11.90 0.0

11 7.4

12.7

12.7

12.70 0.0

12 7.7

13.1

13.0

13.05 1.0

13 8.3

13.3

13.4

13.35 1.0

See p. 60

5.33

Friday, May 7, 1915

12.15 MC Series 260 for bright stars

Scale 19	mc 5583	Pole	Pe	MC	Diff
Sc.1	Sc.2	Sc.1	Sc.2	5583	
5		7.8	7.6	7.65	13.13
6		8.6	8.6	8.75	12.12
8		7.	10.4	10.50	11.10
9		7.	11.1	11.15	10.55
10			11.4	11.50	11.85
11			12.4	12.35	01.25
12			12.9	12.90	00.18
13			13.3	13.36	10.10
14					
15					

7.1 P.S. in date
 7.2 used
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Friday, May 7, 1915

Mc Series 260

Scale	R	Mc 5584	R Draconis	200 + 18	PC
		Sc.1	Sc.2	Sc.1	Sc.1
α					
β				80 7.7	80 7.7
γ					7.
δ					7.
Cur. Magon					
800 00 - 161 6.31					
97 9.6 9.65 10 - 2.02 7.63					
99 10.1 1000 11 - 2.46 7.86					
10.3 10.3 1030 00 - 223 8.07					

α All these stars
 β to light star
 γ to light star
 δ images reduction
 images of N.P.S.

Friday, May 7, 1915.

mc Series 260

Scree R mc 5588 Pole

Sc.1

Sc.2

Sc.1

Sc.2

Cum Magn

5

8.5

8.1 8.2 8.27 2.2 1 - 1.65 6.62

6

8.6

8.8 9.0 9.00 2.2 0 - 1.82 7.18

8

9.2

10.8 10.9 10.75 0.1 - 2.37 8.38

9

9.7

11.5 11.6 11.55 1.0 - 2.61 8.94

10

11.9 11.8 11.85 1.0 - 2.70 9.15

11

12.4 12.6 12.50 1.1 - 2.90 9.60

12

12.8 12.9 12.85 0.1 - 3.00 9.85

13

13.5 13.6 13.55 1.0 - 3.21 10.34

(* wrong unit)

no data which can be
measured. Bright enough
to be used.

12.47

See p. 63

66

Friday, May 7, 1915

3.00

In Θ Series 85

Scale m.

In Θ 3334

Pace

P.C.

Scale	In Θ	Scale	MB	Diff. Scale	Scale	MB
			3340			3340
			4.68			
5	4.7	4.7	4.85	4.82	02 03	1.67
6	5.7	5.7	5.85	5.82	02 03	1.29
8	7.7	7.7	7.60	7.68	07 08	0.55
9	8.4	8.4	8.20	8.30	10 10	0.53
10	8.7	8.7	8.50	8.60	10 10	0.42
11	8.9	8.9	8.70	8.75	05 05	0.60
12	9.2	9.2	9.15	9.18	02 03	0.68
13	9.9	9.9	9.75	9.82	08 07	0.48

1 Θ 2 Θ 3 Θ 4 Θ

t.p.

t.p.

8.0 7.9 7.95 01 7.90 7.92 03 02

8.1 8.0 8.05 10 8.10 8.08 03 02

along.

Friday, May 7, 1915

M D Series 85

Scale	m	M D	3339	P. Diacoris	act +18	PC	i
		Sc ₁		Sc ₂		Sc ₁	Sc ₂
-231	α	29 3.7	B.	3.90 2		7	7.8 7.7 775 01
-254	β	31 3.9	4.0	4.05 10			8.1 8.2 8.15 10 - 2.13 6.02
(wrong unit) *	γ	57 6.8	6.1	6.05 01 1.18 7.23		9.3 9.7	9.6 9.45 12 - 2.49 6.96
	δ	65 6.3	6.3 6.1	6.30 202 1.08 7.38		9.8 9.9	9.85 01
	ϵ	68 6.6	6.6	6.70 11 0.92 7.62		10.0 9.9	9.95 01

02 -211
02 -209

68

Friday, May 7, 1915

In D Series 85

Scale m.

In D 3340 Pole

PC

Scale	Sec. 1	Sec. 2	Sec. 1	Sec. 2
5	4.7 4.85 10	4.8	7.	8.8 8.8 8.80 00
6	5.1 5.25 10	5.8		9.7 9.6 9.65 10
8	7.	7.6 7.6 7.60 00		7.7
9		8.2 8.2 8.20 00		
10		8.6 8.4 8.50 10		
11		8.9 8.9 8.90 00		
12		9.1 9.2 9.15 10		
13		9.7 9.8 9.75 10		

1 8

t.p.

2 8

t.p.

3 8

Elong.

7.

7.7 7.7 7.70 00

4 8

Elong.

8.1 8.1 8.10 00

3.46

Sec. 1 66

