

KG
11365
692

Miscellaneous
Direct Estimates of Variables
Scale measures.

B.K. M.D. Applegate

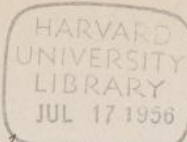
Q. B. 1

KG 11365.692

1918pnae.proj..693A

Although the measures in this book were recorded
in order, the stars were measured in as irregular
an order possible.

M.D.A. Oct. 1, 1918.



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Friday Sept. 20, 1918

Sireae Majoris

3:40

Plak AC7385

$g^2 = 9.92$

$h = 10.20$

$g^2 1 v$ 10.02 -10.06 -04

$v 1 h$ 10.10 +04

Plak I 17812

$p' = 12.84$

$g = 13.32$

$p' 1 v$ 12.94 13.03 -09

$v 2 g$ 13.12 +09

Plak I 15476

$l = 10.64$

$v 1 l$ 10.54 10.47 -07

$h 2 v$ 10.40 +07

Plak I 15697

$p = 12.44$

$o = 12.36$

$v = p$ 12.44 -07

$o 1 v$ 12.46 12.51 -05

$v 2 p'$ 12.64 +13

Plak I 20375

$h 1 v$ 10.30 10.37 -07

$v 2 l$ 10.44 +07

Plak I 15357

$g' = 9.61$

$g' 1 v$ 9.71 9.71 00

$g 2 g^2$ 9.72 +01

Plak I 17029

$h 2 v$ 10.40 10.47 -07

$v 1 l$ 10.54 +07

Plak I 15177

$g' 1 v$ 9.71 Plak blurred -05

$v 1 g^2$ 9.82 near edge. 9.76 +06

Plak I 17811

$v \frac{1}{2} p' 12.64$ Plak marked +05

$p 2 v$ 12.69 -05

Plak I 15179

$g' 1 v$ 9.71 9.71 00

$v 2 g^2$ 9.72 +01

Plak I 15356

$g 2 v 1 g'$ 9.56 9.53 -03

9.51 +02

Plak I 15361

Plak I 15300

$g 2 v$ 9.56 9.53 -03

$v 1 g'$ 9.51 +02

5:00

Saturday Sept. 21, 1918

9:45

Ac 3542

 $01v \quad 12.46 \quad 12.35 \quad +11$
 $v2p \quad 12.24 \quad -11$
 $m = 11.40$ $n = 11.60$

Ac 5673

 $m1v \quad 11.50 \quad 11.50 \quad 00$
 $v1n \quad 11.50 \quad 00$

Images
along.

Ac 2689

 $g'1v \quad 9.71 \quad 9.71 \quad 00$
 $v2g' \quad 9.72 \quad +01$

Ac 6027

 $g^22v \quad 10.02 \quad 10.01 \quad +01$
 $v2h \quad 10.00 \quad -01$

Ac 2259

 $l1v \quad 10.74 \quad 10.77 \quad -03$
 $v2K \quad 10.80 \quad +03$

Images
along

 $K = 11.00$

Ac 6050

 $l1v \quad 10.74 \quad 10.77 \quad -03$
 $v2K \quad 10.80 \quad +03$

Ac 5571

 $m1v \quad 11.50 \quad 11.50 \quad 00$
 $v1n \quad 11.50 \quad 00$

Ac 2265

 $v=K \quad 11.00 \quad +02$
 $l'v \quad 10.74 \quad 10.98 \quad -24$
 $v2m \quad 11.20 \quad +22$

Ac 5792

 $h1v \quad 10.30 \quad 10.42 \quad -12$
 $v1l \quad 10.54 \quad +12$

Ac 3500

 $l=v \quad 10.64 \quad 00$
 $h2v \quad 10.40 \quad 10.64 \quad -24$
 $v1K \quad 10.90 \quad +26$

Ac 2336

 $K2v \quad 11.20 \quad 11.25 \quad -05$
 $v1m \quad 11.30 \quad +05$

Ac 6105

 $K1v \quad 11.10 \quad 11.15 \quad -05$
 $v2m \quad 11.20 \quad +05$

Ac 5560

 $m2v \quad 11.60 \quad 11.55 \quad +05$
 $v1n \quad 11.50 \quad -05$

10:45

Monday Sept. 23, 1918

12:20

I 16781

$l = 10.64$ l_{2v} 10.84 -03
 $k = 11.00$ v_{1k} 10.90 +03

I 16544

n_{1v} 11.70 -28
 v_{10} 12.26 +28

I 13437

$m = 11.40$ k_{1v} 11.10 -10
 $n = 11.60$ v_{1m} 11.30 +10

I 16438

p_{1v} 12.54 -10
 $v_{1p'}$ 12.74 +10

0 = 12.36 I 15522

$p = 12.44$ k_{1v} 11.10 -05
 $p' = 12.84$ v_{2m} 11.20 +05

I 17395

g_{21v} 10.02 -04
 v_{1h} 10.10 +04

 $g_2 = 9.92$ I 16754

$h = 10.20$ l_{2v} 10.84 -03
 v_{1k} 10.90 +03

I 16793

l_{2v} 10.84 -03
 v_{1k} 10.90 +03

I 13477

l_{1v} 10.74 -03
 v_{2k} 10.80 +03

I 16712

l_{2v} 10.84 -03
 v_{1k} 10.90 +03

I 17536

$v = k$ 11.00 +02
 l_{2v} 10.84 10.98 -14
 v_{3m} 11.10 +12

1:00

Monday Sept. 23, 1918

21.30 ~~I~~ I 28818Images
elong. $v = m$ 11.40 +04 $K 2 v$ 10.20 11.36 -16 $v 1 m$ 11.50 +14

I 18205

 $g = 13.32$ $R = 13.43$ $g 1 v$ 13.42 13.37 +05 $v 1 R$ 13.33 -04

I 32542

 $g' = 9.61$ $g' 1 v$ 9.71 9.71 00 $g' 2 v$ 9.72 +01

I 16786

 $U = K$ 11.00 +02 $l 1 v$ 10.74 10.98 -24 $U 2 m$ 11.20 +22 $g = 9.36$

I 20170

 $v = m$ 11.40 +04 $K 2 v$ 11.20 11.36 -16 $v 1 m$ 11.50 +14

I 28848

Images
poor $l 1 v$ 10.74 10.82 -08 $v 1 K$ 10.90 +08

I 34037

 $g' 2 v$ 9.81 9.81 00 $v 1 g'$ 9.82 +01

I 18204

~~U = g~~ $p 1 v$ } wrong star
 $v 1 p'$ } used $U = g$ 13.32 +09 $p' 2 v$ 13.04 13.23 -19 $v 1 R$ 13.33 +10

I 16537

 $U 1 v$ 11.70 11.93 -23 $U 2 v$ 12.16 +23

I 33976

 $g 1 v$ 9.46 9.48 -02 $v 1 g'$ 9.51 +03

I 18367

 $U = h$ 10.20 +13-02 $g' 1 v$ 10.02 10.22 -31-20 $U 2 l$ 10.44 +11+22

I 34027

 $g 1 v$ 9.46 9.43 +03 $U 2 g'$ 9.41 -02

10

Monday Sept. 23, 1918

I 18316

$K = 11.00$ $v = K$ 11.00 +02
 $l = 10.64$ $l1v$ 10.74 10.98 -24
 $m = 11.40$ $v2m$ 11.20 +22

Ac 5976

$v = g^2$ 9.92 -02
 $g'2v$ 9.81 9.94 -13
 $v1h$ 10.10 +16

I 19545

$u = 11.60$ $u1v$ 11.70 11.98 -28
 $o = 12.36$ $v1o$ 12.26 +28

Ac 2116

$g'1v$ 9.71 -05
 $v1g^2$ 9.82 9.76 +06

$g = 9.36$ Ac 5874
 $g' = 9.61$ $g2v$ 9.56 9.53 +03
 $v1g'$ 9.51 -02

Ac 5897

$g1v$ 9.46 9.43 +03
 $v2g'$ 9.41 -02

Ac 2068

$g^2 = 9.92$ $g'1v$ 9.71 9.76 -05
 $v1g^2$ 9.82 +06

3:45

Ac 5719

$k1v$ 10.90 -20
 $v1m$ 11.30 11.10 +20

Ac 1991

$h = 10.20$ $h1v$ 10.30 10.42 -12
 $v1h$ 10.54 +12

Tuesday Sept. 24, 1918

12:00
11:50

Ac 2629

l 1 v 10.74 10.77 -03
v 2 K 10.80 +03

Ac 5876

g 1 v 9.46 9.48 -02
v 1 g' 9.51 +03

Ac 6135

m 1 v 11.50 11.50 00
v 1 K 11.50 00

Ac 2301

k 1 v 11.10 11.15 -05
v 2 m 11.20 +05

Ac 5963

g' 2 v 9.81 9.81 00
v 1 g' 9.82 +01

Ac 2661

Damage
very faint

g' 2 v 9.81 9.81 00
v 1 g' 9.82 +01

Ac 3537

v = m 11.40 +10
K 1 v 11.10 11.30 -20
v 2 K 11.40 +10

Ac 6073

K 1 v 11.10 11.15 -05
v 2 m 11.20 +05

Ac 7332

l 1 v 10.74 10.77 -03
v 2 K 10.80 +03

Ac 2726

g 1 v 9.46 9.43 +03
v 2 g' 9.41 -02

Ac 2121

g' 1 v 9.71 9.71 00
v 2 g' 9.72 +01

Ac 7395

v = h 10.20 +02
g' 2 v 10.02 10.18 -16
v 3 l 10.34 +16

Ac 3501

l 1 v 10.74 10.92 -18
v 3 m 11.10 +18

Ac 5930

g' 2 v 9.81 9.81 00
v 1 g' 9.82 +01

12

Tues. Sept. 24, 1918

Ac 7440

$g' = 9.61$

$g^2 = 9.92$

g'_{15}

v_{19}^2

$9.71 \quad 9.76 \quad -05$

$9.82 \quad +04$

Ac 5852

g'_{15}

v_{29}^2

$9.71 \quad 9.71 \quad 00$

$9.72 \quad +01$

Ac 2247

$h = 10.20$

$l = 10.64$

h_{15}

v_{12}

$10.30 \quad 10.42 \quad 12$

$10.54 \quad +12$

Ac 2340

$m = 11.40$

$n = 11.60$

m_{15}

v_{12}

$11.50 \quad 11.50 \quad 00$

$11.50 \quad 00$

Ac 2190

g'_{15}

v_{12}

$10.02 \quad 10.06 \quad -04$

$10.10 \quad +04$

1:00

Sun. Sept. 24, 1918

21:30 MC 5771

$p' = 12.84$

$q = 13.32$

$p' 15$

$q 19$

$12.94 \quad 13.08 \quad -14$

$13.22 \quad +14$

MC 3264

$u 25$

$0 = 12.36$

$u 10$

$11.80 \quad 12.03 \quad -23$

$12.26 \quad +23$

MC 5786

$u = g'$

$g = 9.36$

$g 25$

$u 18$

$9.61 \quad -05$

$9.56 \quad 9.66 \quad -10$

$9.82 \quad +16$

MC 3286

$g 15$

$u = 13.43$

$u 12$

$13.42 \quad 13.37 \quad +05$

$13.33 \quad -04$

MC 5476

$h 15$

$u 12$

$10.30 \quad 10.42 \quad -12$

$10.54 \quad +12$

2:40

Wednesday Sept. 25, 1918

2110 Ac 7376

h = 10.20 h 1 v 10.30 -12
 10.42
 l = 10.64 v 1 l 10.54 +12

Ac 7381

h 1 v 10.30 -07
 10.37
 v 2 l 10.44 +07

Ac 7475

g = 9.36 g 1 v 9.46 9.48 -02
 g' = 9.61 v 1 g' 9.57 +03 Images
 from

Ac 7342

l 1 v 10.74 -08
 10.82
 k = 11.00 v 1 k 10.90 +08

Ac 7471

g' 2 v 9.81 9.81 00
 v 1 g' 9.82 +01
 g' 2 = 9.92

Ac 7392

g' 2 v 9.81 9.81 00
 v 1 g' 9.82 +01

Images
 double

Ac 7439

g 2 v 9.56 9.53 +03
 v 1 g' 9.51 -02

Ac 7393

v = g' 9.92 +05
 g' 2 v 9.81 9.87 -06
 v 3 h 9.90 +03

Ac 7580

l 2 v 10.84 -03
 10.87
 v 1 k 10.90 +03

Ac 7507

g' 2 v 9.81 9.81 00
 v 1 g' 9.82 +01

Ac 7409

g' 1 v 9.71 9.71 00
 v 2 g' 9.72 +01

Ac 5960

v = h 10.20 -02
 g' 1 v 10.02 10.22 -20
 v 2 l 10.44 +22

Ac 7467

g 1 v 9.46 9.48 -02
 v 1 g' 9.51 +03

Wednesday Sept. 25, 1918

Ac 7554

v=l 10.64 +06

h2v 10.40 10.58 -18

v3h 10.70 +12

Ac 5887

v=g' 9.61 -05

g3v 9.66 9.66 00

v2g' 9.72 +06

Ac 7499

g'2v 9.81 9.81 00

v1g' 9.82 +01

f = 9.02

Ac 7418

g'1v 9.71 9.71 00

v2g' 9.72 +01

Ac 5669

m = 11.40

m1v 11.50 11.50 00

n = 11.60

v1n 11.50 00

Ac 7516

g'2v 10.02 10.06 -04

v1h 10.10 +04

Ac 7403

g'2v 9.81 9.81 00

v1g' 9.82 +01

Ac 7530

h1v 10.30 10.37 -07

v2h 10.44 +07

Ac 3473

h1v 10.30 10.42 -12

v1h 10.54 +12

Ac 7452

v=g 9.36 -03

f2v 9.22 9.39 -17

v1g' 9.57 +12

Ac 5994

h2v 10.40 10.47 -07

v1h 10.54 +07

Ac 7523

g'2v 10.02 10.06 -04

v1h 10.10 +04

Ac 3820

h2v 10.40 10.47 -07

v1h 10.54 +07

Wednesday Sept. 25, 1918

$R = 11.00$	Ac 6058		Ac 2237	
$u = 11.40$	k_{1v}	11.10 11.15^{-05}	h_{2v}	10.40 10.47^{-07}
	v_{2m}	11.20 $+05$	v_{1l}	10.54 $+07$

$g' = 9.61$	Ac 7459		Ac 7415	
$g = 9.36$	$v = g'$	9.61 -02	g'_{2v}	9.81 9.81^{00}
$g^2 = 9.92$	g'_{1v}	9.46 9.63^{-17}	v_{1g^2}	9.82 $+01$
	v_{1g^2}	9.82 $+19$		

$u = 11.60$	Ac 5756		Ac 7538	
	m_{2v}	11.60 11.55^{+05}	h_{2v}	10.40 10.47^{-07}
	v_{1u}	11.50 -05	v_{1l}	10.54 $+07$

$l = 10.64$	Ac 7284		Ac 5819	
$m \quad h = 11.40$	l_{2v}	10.84 11.07^{-23}	g'_{2v}	9.81 9.81^{00}
$h = 10.20$	v_{1m}	11.30 $+23$	v_{1g^2}	9.82 $+01$

Ac 2681		Ac 2207	
g'_{1v}	9.71 9.76^{-05}	h_{1v}	10.30 10.42^{-12}
v_{1g^2}	9.82 $+06$	v_{1l}	10.54 $+12$
	near edge		

Ac 7462		Ac 7444	
g_{1v}	9.46 9.48^{-02}	g_{1v}	9.46 9.48^{-02}
$v_{1g'}$	9.51 $+03$	$v_{1g'}$	9.51 $+03$

Free dues day Sept. 25, 1918

Ac 7217

u15 11.50 11.83⁻³³

0 = 12.36

u20 12.16 +33

Ac 7344

h15 10.30 10.37⁻⁰⁷

u22 10.44 +07

31.20

Friday Sept. 27, 1918

12:00

I 19545

0 = 11.90

I 15177

9.61

I 34037

10.10

I 16438

12.70

I 20170

11.30

I 17811

13.00

I 16712

10.82

I 16544

12.17

I 15357

9.70

I 17029

10.20

I 15697

12.36

I 15356

9.46

I 16781

10.90

I 16786

11.00

I 15476

10.50

I 15179

9.46

I 16793

10.90

I 18204

13.32

Friday Sept. 27, 1918

I 16754		I 33976	
11.00		near edge 9.36	
I 20375		I 18205	
10.06		13.37	
I 13437			11.00
10.72			
		I 32542	21.40
I 17395		9.76	
9.92			
		I 28848	
I 15522	Imagyon	11.30	
11.10			
		I 16537	
I 13477		11.98	
10.64			
		I 34027	
I 17536	near edge	9.61	
10.82			
		I 18316	
I 28818		10.70	
11.30			
		I 17812	
I 18367		12.74	
10.30			
		I 15300	
		9.54	

Friday Sept. 27, 1918

Mc 5476
10.32

Ac 5930
9.82

Mc 3286
13.68

Ac 3501
10.64

Mc 5186
9.82

Ac 7395
10.06

Mc 3264
12.20

Ac 2121
9.70

Mc 5771
13.08

Ac 2726
9.36

Very near edge
Ac 2190
10.31

Ac 7332
10.64

Ac 2340
11.60

Ac 6073
11.30

Near edge
Ac 5852
9.76

Ac 3537
11.00

Ac 7440
9.71

Images faint
Ac 2661
9.71

Friday Sept. 27, 1918

Ac 5963
9.92Ac 2301
11.10Ac 6135
11.50Ac 5876
9.40Ac 2629
10.53Ac 5897
9.67Ac 2116
9.76Ac 5976
10.80

Estimates made in hundredths up to this
point - in tenths from now on.

Friday Sept. 27, 1918.

Ac 1991
10.5Ac 2265
10.8Ac 5719
11.2Ac 5571
11.5Ac 2068
9.7Ac 6050
10.9Ac 5874
9.4Ac 2259
10.8Ac 5560
11.6Ac 6029
9.9Ac 6105
11.1Ac 2689
9.7Ac 2336
11.4Ac 5673
11.4Ac 3500
10.5Ac 3542
11.5Ac 5792
10.4Ac 7385
9.8

4:10

Saturday Sept. 28, 1918

11:40	Ac 7376 10.3		Ac 2237 10.5
near edge	Ac 2247 10.5	Images faint	Ac 7462 9.6
	Ac 7344 10.5		Ac 2681 9.8
	Ac 7217 11.7		Ac 7284 10.7
	Ac 7444 9.5		Ac 5756 11.6
	Ac 2207 10.5		Ac 7459 9.6
	Ac 5819 9.8		Ac 6058 10.8
	Ac 7538 10.4	Images faint	Ac 2820 10.6
	Ac 7415 9.7		Ac 7523 9.9

Saturday Sept. 28, 1918

Ac 5994
10.4

Ac 5887
Image point 9.7

Ac 7452
9.3

Ac 7554
10.5

Ac 3473
10.4

Ac 7467
9.7

Ac 7530
10.3

Ac 5960
10.2

Ac 7403
9.8

Ac 7409
9.9

Ac 7516
10.3

Ac 7507
Some Image double 9.8

Ac 5669
11.5

Ac 7580
11.0

Ac 7418
9.6

12:40

Ac 7499
9.8

Saturday Sept. 21, 1918

4:05

Ac 7393

9.9²

Ac 7439

9.7

Ac 7392

9.8

Ac 7471

Images faint

9.8

Ac 7342

10.6

Ac 7473

9.5

Ac 7381

9.8⁷

4:15

Monday Sept. 30, 1918

Scale m

M & Series 17

	M& 2340	Pole	M& 2344 p.30	Mean	Diff.	Curv	mag.
3:10	Se.1	Sq.2					
1	.						
2	.						
3	.						
4	.						
5	2.2 2.0 3.3			2.3 2.25 ^{05 05}	4.24	4.24	6.44
6	3.1			3.2 3.25 ^{05 05}	3.86	3.87	7.17
7	.						
8	4.7 4.5 6.0	4.8 4.75 ^{05 05}		4.75	3.48	3.39	8.14
9	5.8 6.4	5.6 5.80 ^{20 20}		5.80	3.03	3.03	8.83
10	6.2 7.0	5.8 6.10 ^{30 30}		6.00 6.05 ^{05 05}	2.97	2.95	9.05
11	6.8 7.6	6.9 6.95 ^{05 05}		6.80 6.88 ^{08 07}	2.67	2.73	9.68
12	7.4	7.2 7.40 ^{20 20}		7.10 7.25 ^{15 15}	2.61	2.71	10.11
13		7.5		7.4 7.45 ^{05 05}	2.85	2.72	10.22
14		7.8		7.6 7.70 ^{10 10}	2.95	2.78	10.58
15		8.2		8.2 8.20 ^{00 00}	2.88	2.85	11.05
16		8.5		8.4 8.45 ^{05 05}	2.95	2.91 ⁵	11.41 ⁵
17		8.7		8.6 8.65 ^{05 05}	2.98	2.96 ^{3.00}	11.66 ⁷⁰
18		9.0		8.8 8.90 ^{10 10}	3.16	3.02 ⁵	12.02 ⁵
19		9.5		9.5 9.50 ^{00 00}	2.92	3.15 ⁰¹	12.65 ⁵¹
20		10.0		10.0	2.73	3.30 ^{2.90}	13.30 ^{12.90}

alt. Cor applied in mag.

Monday Sept. 30, 1918

Scale M

	M.D. 2 3 4 1	1 2 4 15	alt. cor. -.19	
			Diff.	mag.
	Sc 1	Sc 2.		
1	6.7 6.5 8.0	^{25 25} 6.2 6.45	2.85	⁹ 8.11
2	7.8	^{7 25 25} 7.5 7.85	2.78	¹⁰ 9.34
3		7.5	2.72	10.03
4		⁰ 7.6	2.73	9.54
5		8.0	2.81	10.62
6	8.5	8.2	2.85	10.86
7		8.5	2.91	11.22
8		8.9	3.00	11.71
9		9.1	3.05	11.96
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

28

alt. cor. applied in mag.

Monday Sept. 30, 1918

Scale M

	M 2343	76 K	Alt. Cor. + .16	
	Sec 1	Sec 2	Diff.	Magn.
1	4.7 4.5 5.4	4.2 4.45 ^{25 25}	3.51	8.12
2	5.5 6.4	5.7 5.70 ^{00 00}	3.07	8.93
3	6.2 7.3	5.9 6.15 ^{25 25}	2.93	9.24
4	7.1	7.0 7.15 ^{15 15}	2.70	10.01
5		7.3	2.70	10.16
6		8.0	2.81	10.97
7		8.2	2.86	11.22
8		8.6	2.94	11.70
9		8.8	2.98	11.94
10		9.0	3.03	12.19
11		9.5	3.15	12.81
12				
13				
14				
15				
16				
17				
18				
19				
20				

Monday Sept. 30, 1918

Scale No.

	MD 2 3 4 4	Pole	ND 2.340 P.26	Mean	Diff.	Curv	Mag.
						(MD 2 3 4 4)	
	Sc.1	Sc.2					
1	.						
2	.						
3	.						
4	.						
5	2.2						
	2.0			2.2	2.20	4.29	4.24 6.44
	2.9				²⁰ 20		3.98 7.3
6	2.7			3.3	3.10	4.01	4.00 6.90
7	.						
8	.			4.75	4.75	3.48	
9	.			5.80	5.80	3.03	
10	5.7				¹⁷ 18		2.96 7.1
	5.5	5.8	5.75	6.10	5.92	3.10	3.07 8.82
	6.8				⁰⁸ 07		2.87 6
11	6.6	6.8	6.80	6.95	6.88	2.68	2.84 9.87
12	7.2	7.2	7.20	7.40	7.30	2.56	2.82 9.91
	7.0				⁰⁵ 05		2.83 4.3
13		7.6		7.5	7.55	2.75	2.74 10.34
14		7.9		7.8	7.85	2.80	2.79 10.69
15		8.2		8.2	8.20	2.88	2.85 11.05
16		8.3		8.5	8.40	3.00	2.90 6
17		8.5		8.7	8.60	3.03	2.95 8.7
18		8.8		9.0	8.90	3.16	3.02 6.9
19		9.4		9.5	9.45	2.97	3.03 11.78
20				10.0	10.00	2.73	3.12 12.52
							3.26 13.26

4:40

Tuesday Sept Oct. 1, 1918

Scale m

		M.D. 2344	Pole	Mean.	Diff.	Curv	Mag.
11:00	1	6c.1	Sc 2				
	2						
	3						
	4						
	5	2.3 2.1		2.4 ² 2.35 ⁰⁵⁰⁵	4.14	4.20 ¹⁵	6.50 ⁴⁵
	6	3.2 3.0		3.5 ² 3.35 ¹⁵¹⁵	3.76	3.44 ⁸⁰	7.44 ⁰⁰
	7						
	8			5.20 5.20	3.03		
	9			5.90 5.90	2.93		
	10	6.2 6.0	5.8 6.00 ²⁰²⁰	6.20 6.10 ¹⁰¹⁰	2.92	2.94 ²	8.94 ²
	11	7.0 6.8	6.6 6.80 ²⁰²⁰	6.60 6.70 ¹⁰¹⁰	2.85	2.96 ⁸⁵	9.56 ⁶⁵
	12	7.2 7.0	7.0 7.10 ¹⁰¹⁰	7.40 7.25 ¹⁵¹⁵	2.61	2.77 ⁸³	9.81 ⁹³
	13		7.4	7.5 7.45 ⁰⁵⁰⁵	2.85	2.77 ⁸²	10.44 ²²
	14		7.6	7.8 7.70 ¹⁰¹⁰	2.95	2.73 ⁸²	10.32 ⁴²
	15		8.2	8.2 8.20 ⁰⁰⁰⁰	2.88	2.85	11.05
	16		8.4	8.7 8.55 ¹⁵¹⁵	2.85	2.87 ⁷	11.24 ⁷
	17		8.6	8.8 8.70 ¹⁰¹⁰	2.93	2.73 ⁸⁸	11.52 ⁴⁸
	18		8.8	9.2 9.00 ²⁰²⁰	3.06	2.78 ⁸⁹	11.78 ⁶⁹
	19		9.5	9.5 9.50 ⁰⁰⁰⁰	2.92	2.95 ⁸⁹	12.45 ⁴⁵
	20			9.8 9.80 ⁰	2.93	3.15	12.65

alt. Cor. applied in mag.

31

Sues. Oct 1, 1918

Scale M

		M ₂₅ 2.3 4.6	6 K	alt. Cor. -.04	
		Sec. 1	Sec. 2	Diff.	Magn.
H:00	1		7.2	2.83	9.99
	2		7.7	2.83	10.49
	3		7.9	2.84	10.70
	4		8.2	2.85	11.01
	5		8.5	2.87	11.33
	6		8.8	2.89	11.65
	7		8.9	2.90	11.76
	8		9.0	2.90	11.86
	9		9.1 9.5	2.91	11.97
	10		9.3	2.92	12.18
	11		9.5	2.94	12.40
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

Alt. Cor. applied in mag.

Tues. Oct. 1, 1918

Scale M

	M _D 2347	101K	Alt. Cor. +.06	
	Dec. 1	Dec. 2	Diff.	Magn.
1	5.7 5.5	5.2 ^{25 25} 5.45	3.01	8.52
2	6.5 6.3	^{05 05} 6.6 6.55	2.87	9.48
3	6.8 6.6	^{15 15} 6.5 6.65	2.86	9.57
4	7.0 6.8	^{10 10} 7.2 7.10	2.83	9.99
5		7.4	2.82	10.28
6		7.7	2.83	10.59
7		8.5	2.87	11.43
8		8.8	2.89	11.75
9		9.2	2.91	12.17
10		N.S.		
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

all. Cor. applied in mag.

Lues. Oct. 1, 1918

Scale M.

	M 2348	126K	alt. Cor. - .18	
	Re. 1	Sc. 2	Diff.	Magn.
1	4.5 4.3	4.4 ^{05 05} 4.45	3.35	7.62
2	6.2 6.0	5.8 ^{20 20} 6.00	2.92	8.74
3		7.2	2.82	9.84
4		7.5	2.82	10.14
5		7.8	2.83	10.45
6		8.3	2.86	10.98
7		8.6	2.88	11.30
8		9.0	2.90	11.72
9		9.5	2.94	12.26
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Alt. Cor. applied in mag.

Lues. Oct. 1, 1918

Scale m

	Mag 2349	53 K	Alt. Cor. + .20	
	Se. 1	Se. 2	Diff.	Mag.
1	6.7 6.5	6.70	2.86	9.76
2	6.9 6.7	6.6 6.75 ^{15 15}	2.85	9.80
3	7.0 6.8	6.8 6.90 ^{10 10}	2.84	9.94
4		7.5	2.82	10.52
5		8.0	2.84	11.04
6		8.2	2.85	11.25
7		8.7	2.88	11.78
8		8.8	2.89	11.89
9		9.0	2.90	12.10
10		9.2	2.91	12.31
11		9.5	2.94	12.64
12		9.8	2.97	12.97
13		11.5.		
14				
15				
16				
17				
18				
19				
20				

Alt. Cor. applied in mag.

Tues Oct. 1, 1918.

Scale M

	Mag 2350	2910	Alt. Cor. + .21	
	Re. 1	Re 2.	Diff.	Mag.
1	4.5 4.3	4.6	^{05 05} 4.55	3.31 8.06
2	6.3 6.1	5.2	^{55 55} 5.75	2.97 8.93
3	6.6 6.4	6.7	^{05 05} 6.65	2.87 9.73
4	7.3 7.1	7.6	^{15 15} 7.45	2.82 10.48
5		7.8		2.83 10.84
6		8.0		2.84 11.05
7		8.2		2.85 11.26
8		8.6		2.87 11.68
9		9.1		2.91 12.22
10		9.8		2.97 12.98
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Tues. Oct. 1, 1918

Scale M

M 2351		Pole		
Sec. 1	Sec. 2		Curv.	Mag.
1				
2				
3				
4				
5	2.4			
	2.2		4.11	6.52
6	3.5			
	3.3		3.70	7.20
7				
	5.2			
8	5.0	5.2	5.20 ^{00 00}	3.09 8.29
	6.0			
9	5.8	5.8	5.90 ^{10 10}	2.92 8.82
	6.2			
10	6.9	6.2	6.20 ^{00 00}	2.90 9.10
	6.4			
11	6.2	6.8	6.60 ^{20 20}	2.85 9.45
	7.5			
12	7.3	7.3	7.40 ^{10 10}	2.82 10.22
13		7.5		2.82 10.32
14		7.8		2.83 10.63
15		8.2		2.85 11.05
16		8.7		2.88 11.58
17		8.8		2.89 11.69
18		9.2		2.91 12.11
19		9.5		2.94 12.44
20		9.8		2.97 12.77

12:50

Wednesday Oct. 2, '18

Var. 1

Variable 7 0.9 - 75 50

To confirm variability of this star

B 28951

104 < 133

Am 6759

104 M.S.

133 3a.

Am 3831

104 < 133

A

Am 6804

a 1104

Am 2401

104 = a

~~133~~ 3 104

Am 3289

104 < 133

Am 2205

104 1a

Am 12830

133 2 104

Am 12787

104 = a

133 3 104

Am 11681

104 2a

Am 11424

133 4 104

Thursday Oct. 3, 1918

Friday Oct. 4, 1918.

Scale M.

Sequence for Variable 70.9 - 75.50

AM 3361

Diff. ^{mag.} ~~Const.~~

		Se. 1	Se. 2			
12:00	a	6.4 6.2	6.5	6.45 - 0.5 + 0.5	.52	7.27
	b	7.5 7.3	7.5	7.50 - 0.0 0.0	.83	8.33
	c		7.8		.86	8.66
	d		8.4		1.00	9.40
	e		8.6		1.20	9.80
	f		8.9		1.55	10.45
	g		9.0		1.68	10.68
	h		9.5		1.90	11.40
	k		9.8		1.98	11.78
	l		10.0		2.00	12.00
	m		N.S.			
	n		N.S.			

Friday Oct. 4, 1918

Scale M

AM 3361		Sequence for $\$1$		
Sec. 1	802			Diff.
1 6.2	6.0	6.10	10 10	.90
4 6.4	6.6	6.50	10 10	.90
6 6.6	7.0	6.90	10 10	.70
7 7.3	7.3	7.30	00 00	.81
10	7.6			.89
12	8.1			1.19
13	8.2			.79
14	8.3			.42
15	8.5			.99
17	8.7			1.19
18	8.8			1.44
21	9.0			1.68
23	9.2			1.93
25	9.7			1.91
26	9.8			1.97
28	10.1			1.99
29	N.S.			
30	N.S.			

12:50

Fri day Oct. 4, 1918

Scale M

	Atm	1770	Sequence for F ₁	
3110	Sc. 1	Sc. 2		Diff.
	6.2			
1	6.0	6.2	6.20 00 00	.80
	6.5			
4	6.3	6.4	6.45 05 05	.95
	7.3			
6	7.1	6.8	7.05 25 25	.55
	7.4			
7	7.2	7.1	7.25 15 15	.86
10		7.6		.89
12		7.9		1.39
13		7.8		1.19
		7.7		
14		8.0		1.02
15		8.2		1.29
17		8.4		1.49
18		8.6		1.64
21		8.9		1.78
23		9.2		1.93
				1.91
25		9.7		2.07
26		9.8		1.9 2.27
28		10.0		2.09
29		N.S.		
30		N.S.		

Friday Oct. 4, 1918

Scale M

AM 1770		Sequence from var. 7 0.9 - 75 50		Diff.	Mag.
Se. 1	Se. 2				
a ^{7.0} 6.8	7.0	7.00	00 00	.78	7.78
b	7.7			1.09	8.79
c	8.2			1.41	9.61
d	8.5			1.58	10.08
e	8.6			1.64	10.24
f	8.8			1.73	10.53
g	9.2			1.87	11.07
h	9.5			1.94	11.44
k	9.8			1.99	11.79
l	10.0			2.02	12.02
m	N.S.				
n	N.S.				

4:00

Saturday Oct. 5, 1918.

Scale M.

	AM 6759	Sequence for 41	
11:30	Sc. 1	Sc. 2	Diff.
near edge 1	5.4	5.3	5.35 05 05 1.65
	5.2		
Images along 4	5.65.8	5.8	5.80 00 00 1.60
	5.8		
6	6.0	6.2	6.80 10 10 1.50
	5.8		
7	6.4	6.8	6.60 20 20 1.51
	6.2		
10	7.0	7.0	7.00 00 00 1.49
	6.8		
12		7.8	1.49
13		7.5	1.49
14		7.4	1.32
15		7.8	1.69
17		8.2	1.69
18		8.7	1.54
21		8.8	1.88
23		9.0	2.13
25		9.6	2.01
26		9.9	1.87
			2.19
28		N.S.	
29		N.S.	
30		N.S.	

Saturday Oct. 5, 1918

Scale M

		AM 6759	Sequence for Var. 7 0.9 -75 50			
		Sc. 1	Sc. 2		Diff.	mag.
Among stars near first.	a	6.8 ⁷ 6.9	6.4 ⁸	6.85 05 05	1.48	8.33
	b	6.9 ^{7.1}	7.3	7.20 10 10	1.47	8.77
	c		9.8		1.63	9.43
	d		8.4		1.6 ⁶ 8	10.08
	e		8.5		1.71	10.21
	f		8.9		1.85	10.75
	g		9.3		1.97	11.27
	h		9.5		2.00	11.50
	k		10.0		2.02	12.02
	l		N.S.			
	m		N.S.			
	n		N.S.			

Saturday Oct. 5, 1918.

Scale M

Am 3361		Sequence for Var.			
	Sc. 1	Sc. 2		Diff.	mag.
a	6.7 6.5	6.8	6.75 05 05	.91	7.66
b	7.3 7.1	7.2	7.25 05 05	.93	8.18
c		8.2		1.03	9.23
d		8.7		1.27	9.97
e		8.9		1.40	10.30
f		9.1		1.51	10.61
g		9.5		1.72	11.22
h		9.6		1.75	11.35
k		9.8		1.80	11.60
l		10.0		1.87	11.87
m		N.S			
n		N.S			

12:30

Saturday Oct. 5, 1918.

Scale M

	A M 33 61		Sequences for 71		
	Se. 1	Se. 2			Diff.
Wrong star meas. 1	6.7 6.0	6.8	6.00	00 00	1.00
first. 4	6.1	6.7	6.50	20 20	.90
6	6.8	6.9	6.95	05 05	.65
7	7.0	7.2	7.20	00 00	.91
10	7.2	7.3	7.35	05 05	1.14
12		8.4			.89
13		8.1			.89
14		7.6			1.12
15		8.3			1.19
17		8.7			1.19
18		8.9			1.34
21		9.1			1.58
23		9.4			1.73
25		9.8			1.81
26		9.9			1.87
28		10.2			1.89
29		N.S.			
30		N.S.			

Saturday Oct. 5, 1918

Scale M

	B 2 2 3 2 1	Sequence in Var. 7 0.9 -45 50				
1:30	Sc.1	Sc.2		Diff.	Curv.	Mag.
	4.8		0.5 0.5			
a	4.6	4.9	4.85	2.91	3.03	
b	4 5.6 5.8	5.2	20 20 5.40	3.12	3.0 ³	8.43
c	6.2 6.0	6.0	10 10 6.10	3.13	3.10	9.20
d	6.6 6.4	6.8	10 10 6.70	3.18	3.17	9.87
e	7.0 6.8	7.1	0.5 0.5 7.05	3.09	3.19	10.24
f	7.2 7.0	7.3	0.5 0.5 7.25	3.33	3.22	10.47
g		7.7		3.36	3.36	11.06
h		7.9		3.52	3.49	11.39
k		8.1		3.70	3.63	11.73
l		8.2		3.76	3.68	11.88
m		8.8			4.08 3.84	12.88
n		9.0			4.20	13.20

2:55

Saturday Oct. 5, 1918.

Scale M

B 24988		Sequence for Var. 7 0.9 - 75 50			
3:15	Sc. 1	Sc. 2	Diff.	Curv.	Mag.
a	4.9 4.7 5.1	4.8 4.85 ^{05 05}	2.91		
b	4.9 5.7 5.5	5.1 5.10 ^{00 00}	3.42		
c	5.5 6.8 6.6	5.8 5.75 ^{05 05}	3.48		
d	6.6 6.9 6.7	6.7 6.75 ^{05 05}	3.13	3.19	9.94
e	6.7 7.1 6.9	6.9 6.90 ^{00 00}	3.24	3.30	10.20
f	6.9 7.4	7.1 7.10 ^{00 00}	3.48	3.45	10.55
g		7.4	3.66	3.66	11.06
h		7.6	3.82	3.78	11.38
i		7.8	4.00	3.93	11.73
j		8.0	3.96	4.02	12.02
k		8.4		4.18	12.58
l		8.6		4.24	12.84

3:30

Saturday Oct. 5, 1918

Scale

4:00

B 20459

Sequence for variable

a 2 b

b 4 c

c 3 d

d 4 e

e 2 f

f 1 g

g 3 h

h 1 k

k 2 l

l 4 m

m 2 n

Saturday Oct. 5, 1918.

B 20236

Sequence for var. 70.9-75.50

a 2 b

b 4 c

c 3 d

d 4 e

e 2 f

f 2 g

g 3 h

h 2 k

k 2 l

l 3 m

m 1 n

4130

m

Monday Oct. 7, 1918

670075 Mensa.

A 4900

Measured Positions of Comparison Stars

	x	y	x	y	Diff x (A)	Diff y.	Diff x (C)	Diff y
b	-3745	-0200	-3740 ²	-0200				
	+0020							
c	+3450	+3450	+0020	+3450				
d	-0300	-3985	-0300	-3985				
e	-2400	-2310	-2400	-2310				
f	-2645	+1960	-2645	+1960				
	+1960							
g	+0040	-2125	+0040	-2120 ²				
h	+8.85	+1205	+0885	+1205	+1715	-3205	-865	+2245
k	+505	+2510	+505	+2510	+2095	-4510	-485	+940
l	-1315	-0235	-1310 ²	-235	+391 ²	-1765	+133 ²	+3685
m	-1090	-1105	-1090	-1105	+3690	-895	+1110	+4555
n	+0380	-0650	+375 ³	-650	+222 ²	-1350	-358	+4100
Var.	+0040	-0505	+0040	-505	+2560	-1495	-0020	+3955
A	+2600	-2000	+2600	-2000				

R. A. 1900

Dec. 1900

sec δ

4 sec δ

A	-75° 413	6 ^h	53 ^m 59. ^s 0	-75° 35.8	4.020	16.080
C	-76° 428	7	0 54.3	76 30.1	4.284	17.136
g	-75° 416	7	0 48.2	-75 34.7	4.016	16.064

R.A. 1900

Dec. 1900

Mean pos. 1900

h	6 58	34.8 26.1 32.5	-76°	7.8 7.7 8.0	6 58 31.1	-76 7.8
k	6 59	35.9 29.2 33.5	-76	20.9 20.7 21.0	6 59 32.9	-76 20.9
l	7 4	28.0 42.5 25.4	-75	53.4 53.3 53.6	7 4 31.9	-75 53.4
m	7 ³ / ₃	52.5 4.5 49.7	-75	44.7 44.5 44.9	7 3 55.6	-75 44.7
n	6 59	56.3 53.0 53.9	-75	44.3 44.1 44.4	6 59 54.4	-75 49.3

Diff x (g) Diff y.		Diff x 4 sec δ'			Diff. x var. diff. y	
		A	C.	g.	" 2261.2 5902 "	-183"
					+12	-2373
					+204	+2088
					+1464	+1083
					+1611	-1479
					00	+970.2
-845	-3327	+275. ^s 8	-148. ^s 2	-135. ^s 7	-507	-1026
-465	-4632	+336.9	-85.1	-74.7	-279	-1809
+1352	-1887	+629.0	+228.2	+217.2	+811.2	-162
+1130	-1017	+593.5	+190.2	+181.5	+678	+360
-338	-1472	+357.3	-61.3	-54.3	-202.8	+87
00	-1617	+411.6	-3.4	00.		

Wednesday Oct. 9, 1918

Direct estimate of Var. at 70.9-75.50

3:15

Reference Plates

B 24988

AM 10220

Comparison Stars. Mag.

a	7	22	34.2	-76	13.7	7.8
b		11	55	-75	52.9	8.5
c	7	0	54.3	76	30.1	9.2
d		1	40.9	-75	16.2	9.8
e	7	18.5		32.3		10.2
f	8	21.9	-76	14.7		10.6
g		0	48.2	-75	34.7	11.0
h	6	58	31.1	-76	7.8	11.4
k		59	32.9		20.9	11.7
l	7	4	31.9	-75	53.4	12.0
m		3	55.6		44.7	12.6
n	6	59	54.4		49.3	12.9

Wednesday Oct. 9, 1918

Direct estimates for Var. at 7 0.9 - 75 50

3:40

B 22259	11.6	
B 24624	11.2	
B 20236	10.8	
B 24631	10.4	Near edge
B 28951	11.1	
B 20434	11.0	
B 18073	11.3	
B 20963	10.8	
B 20985	11.0	edge
B 26479	11.4	
B 18038	11.3	
B 24855	11.2	
B 24243	11.4	
B 24113	N.S. < 9 11.0	
B 26719	N.S. < 11.7	
B 26337	N.S. < 11.0	
B 12735	10.5	
B 22321	12.3	
B 12707	10.6	
B 10913	10.5	
B 17549	11.4	
B 14951	10.4	
B 14732	11.2	

4:45

Thursday Oct. 10, 1918

Direct Estimates for Var. at 70.9 - 75.50

10:00	B13008	10.5	
	B28830	12.6	near edge
	B12737	11.0	
	B29676	11.1	
	B12570	11.0	
	B42133	11.1	
	B35294	11.0	
	B26723	12.1	
	B26957	11.8	
	B33227	11.4	
	B31532	11.3	
	B26930	11.5	
	B27058	12.7	
	B31579	11.4	
	B27123	12.1	
	B38696	11.4	edge
	B35269	10.5	p.i.
	B41060	12.0	
	B31271	11.0	
	B42128	11.1	
	B31176	11.3	p.i.
	B33030	<11.0	very near edge
	B32952	11.6	
	B35934	11.1	
	B29541	10.8	
	B26809	11.9	
	B35923	11.1	

Thursday Oct. 10, 1918

B41061 11.9

B28999 11.3

B30901 11.2

B33283 11.3

B20459 11.2

B26888 11.4

11:30

3:00

~~2:30~~

B25372 11.0

B26689 ^{MS.} ~~11.4~~

B18046 11.2

B35286 10.7

B18039 11.3

B33031 M.C. near edge

B20966 11.1

B26817 12.5

B26766 12.7

B24318 11.3

B22632 11.7

B12707 11.1

B10913 11.0

B14951 11.1

B22321 12.3

B12735 10.8

B14732 11.2

B26719 < 12.0

B24119³ < 11.7

Thursday Oct. 10, 1918.

B 24855 11.3

B 18038 11.2

4:00

Friday Oct. 11, 1918

Estimates of var. 70.9 - 75.50

9:45	B 24243	11.4	
	Am 10220	11.3	
	Am 8361	11.2	i. ft.
	Am 6598	12.0	
	Am 3831	11.0	
	Am 6759	^{M.S.} < 11.4	
	Am 2401	12.0	
	Am 6804	11.7	
	Am 3289	11.1	
	Am 6000	11.0	
	Am 3991	10.6	
	Am 1770	11.2	
	Am 4598	^{M.S.} < 11.0	p. i.
	Am 11424	11.3	
	Am 3992	10.9	
	Am 12787	11.5	
	Am 3033	11.2	
	Am 3935	11.0	
	Am 12830	11.2	
	Am 2205	11.4	
	Am 2422	^{M.S.} < 11.4	
	Am 1822	11.2	
	Am 1652	11.4	
	Am 1097	12.0	
	Am 4665	11.1	
	Am 5378	11.6	

Friday Oct. 11, 1918.

AM 10482 11.2

AM 10429 12.1

AM 7349 11.1

AM 10475 12.2

AM 13808 12.3

AM 13279 ^{N.S.} 11.0 i.f.

AM 11624 11.2

11.30

Saturday Oct. 12, 1918

Estimates for Variable 70.9 - 75.50

9:20	Am 5858	10.9	
	Am 5191	10.8	
	Am 4709	11.2	
	Am 5163	11.4	i. along.
	Am 4667	11.3	
	Am 3916	11.1	
	Am 3871	11.0	
	Am 3266	11.0	
	¹⁰⁸⁴ Am 1804	11.7	i. along. p.
	Am 4067	11.2	
	Am 209	11.3	
	Am 2341	11.5	
	Am 414	11.3	
	Am 3807	10.4	
	Am 1752	11.1	
	Am 1132	10.6	i. ft.
	Am 2462	< 10.2 N.S.	inft.
	Am 230	11.2	
	Am 4115	i. trap.	
	Am 1867	11.3	
	Am 680	11.3	
	Am 1149	i. trap.	
	Am 258	11.0	
	Am 3474	10.8	
	Am 3215	11.4	

Saturday Oct. 12, 1918

AM 1140	i.p.
AM 330	11.2
AM 2559	11.5
AM 692	11.3 pl. sc.
AM 1521	10.8
AM 3324	11.1
AM 753	pl. badly sc.
AM 358 ²	11.1
AM 1621	11.0
AM 2509	11.3
AM 3364	< 11.0 ^H n.s.
AM 2234	11.3
AM 4619	11.1
AM 1731	i. too ft.

10145

Monday Oct. 14, 1918

9:10	AM 6073	11.4
	AM 2623	< 11.0 N.S.
	AM 3238	11.2
	AM 1818	11.3
	AM 3326	11.2
	AM 1831	11.4
	AM 3358	i. ft.
	AM 1772	11.3
	AM 3277	11.1
	AM 333	^{N.S.} < 11.4
	AM 4308	11.0
	AM 755	^{N.S.} < 11.0
	AM 1891	< 10.6
	AM 3380	11.1
	AM 838	i. ft.
	AM 4264	11.1
	AM 1986	11.2
	AM 1180	^{N.S.} < 10.2 i. ft.
	AM 3454	11.3
	AM 4023	^{10.2} N.S. < 9.2
	AM 4187	11.0
	AM 1186	N.S. < 10.6
	AM 3581	10.9
	AM 2041	N.S. < 10.6

Monday Oct. 14, 1918

AM 416	11.4
AM 4100	11.3
AM 1321	N.S. < 11.0
AM 3620	11.3
AM 2356	11.4
AM 503	N.S. < 9.8
AM 1379	N.S. < 9.8 ift.
AM 5364	11.4
AM 4060	11.2
AM 2395	11.4
AM 5406	11.4
AM 4008	11.0
AM 1754	11.4
AM 4730	11.7
AM 5455	11.1
AM 2425	N.S. < 11.0
AM 4756	N.S. < 9.8
AM 1664	11.3
AM 2501	11.3 i. elong
AM 5556	N.S. < 10.6
AM 1870	11.3
AM 5985	N.S. < 9.2
AM 2576	11.3
AM 1749	11.1
AM 6082	11.3
AM 2433	N.S. all i. tryp.

10:25

Re-observations of a few plates
on p. 77

Wednesday Oct. 16, 1918

Scale M

	AC 19920	Sequence for γ Orionis			
	2 ^h 10	2 ^h 11	2 ^h 12	Diff	Mag.
a	4.951	5.0	5.05	3.60	8.65
b	5.3	5.5	5.5	3.35	8.85
c	5.6	5.9	5.85	3.20	9.05
d	5.8	6.0	6.0	3.14	9.14
e	6.0	6.3	6.25	2.99	9.24
f	6.2	6.5	6.45	2.93	9.38
g	6.6	6.8	6.8	2.76	9.56
h	7.0	7.0	7.0	2.69	9.69
k	6.5	7.3		2.63	9.93
l		7.9		2.70	10.60
m		8.2		2.77	10.97
n		8.4		2.82	11.22
o		8.8		2.95	11.75
p		8.9		2.97	11.87
q		9.1		3.02	12.12
r		9.5		3.10	12.60

Wednesday Oct. 16, 1918.

Scale M

	AC 19920	Sequence	Carte du ciel
	Sc. 1	Sc. 2	diff.
1	6.4 6.2	6.4	6.4 3.00
2	7.4 7.2	7.5 7.45	0.505 2.68
3		8.3	2.52
4		8.7	2.79
5		8.8	3.12
6		9.2	3.31
7		9.6	3.07
8		10.1	2.72
9		N.S.	

Wednesday Oct. 16, 1915

Scale M

AL 19920		Sequence 96 K	
Sc. 1	Sc. 2		Diff.
6.2		^{0.505}	
1 6.0	6.1	6.15	3.11
6.5		^{0.505}	
2 6.3	6.4	6.45	2.88
7.1		^{0.505}	
3 6.9	7.0	7.05	2.63
4	7.3		2.76
5	7.8		2.62
6	8.1		2.74
7	8.7		2.95
8	9.0		3.26
9	9.5		3.07
10	10.0		3.06

Wednesday Oct. 16, 1918

Scale W

Q M 13807

Carte du ciel.

Sc. A

Sc. B

Sc. C

Diff.

1

7.0

7.4

7.1

7.05

2.35

2

8.8

9.2

8.8

8.8

1.33

3

9.6

1.22

4

10.0

1.49

5

10.2

1.72

6

N.S.

Wednesday Oct. 16, 1918

Scale R

	Q M 13807		96K	
	Sc. A	Sc. B	Sc. C	Diff.
1		6.9 6.8 7.3 7.0	^{05 05} 6.85	2.41
2		7.2 7.6 7.0	^{10 10} 7.10	2.23
3		7.7 8.1 7.8	^{05 05} 7.75	1.93
4		8.4 8.8 8.4	8.4	2.66
5		8.7 9.1 8.8	^{05 05} 8.75	1.67
6		9.4		1.44
7		10.1		1.55
8				
9				

Wednesday Oct. 16, 1918

Scale 72

A.M. 19807 Sequence for 05 00 01 β Orionis							
So. A. So. B. So. C.				96K Diff. Mag		Cate Diff. Mag.	
-0.4	a	6.6 7.0	6.1	25 25 6.35	2.51	8.96	2.77 9.12
	b	6.8 7.2	6.3	25 25 6.55	2.51	9.06	2.62 9.17
	c	7.0 7.4	6.9	6 05 05 7.95	2.31	9.26 8.96	2.41 9.36
	d	7.1 7.5	7.0	05 05 7.05	2.27	9.32	2.35 9.40
	e	7.6 8.0	7.5	05 05 7.55	2.00	9.55	2.04 9.59
	f	7.7 8.1	7.7	05 05 7.7	1.94	9.64	1.95 9.65
	g	8.3 8.7	8.2	8.25	1.73	9.98	1.62 9.87
	h	8.5 8.9	8.5	8.5	1.68	10.18	1.50 10.00
	i	9.0			1.56	10.56	1.31 10.31
	j	9.1			1.54	10.64	1.30 10.40
	k	9.4			1.50	10.90	1.35 10.75
	l	9.8 10.0			1.49	11.29	1.44 11.22
	m	10.0			1.48	11.48	1.49 11.49
	n	10.1			1.50	11.60	1.61 11.71
	o	N.S.			.		
	p	N.S.			.		

3'.50

Thursday Oct. 17, 1918

Scale M

AM 10428 *Center du Ciel.*

	Sc. 1	Sc. 2	Diff.
9:05 1		2.4	2.00
2		8.2	1.93
3		8.7	2.12
4		8.9	2.59
5		9.1	2.82
6		9.4	3.11
7		10.0	2.67

Thursday Oct. 17, 1918

Scale M

AM 10428		Sequence for 0500 or N. Orionis			
Se. 1	Se. 2	96K Diff.	Mag.	Carte Diff.	Mag.
a 6.5	6.4	0.505	1.71 8.16	1.74 2	8.19
b 6.9	6.9		1.74 8.64	1.80 2	8.70
c 7.2	7.1	0.505	1.78 8.93	1.82 2	8.97
d 7.0	7.3		1.79 9.09	1.84	9.14
e	7.8		1.82 9.62	1.90	9.70
f	7.9		1.83 9.73	1.92	9.82
g	8.0		1.85 9.85	1.94	9.94
h	8.1		1.87 9.97	1.96	10.06
i	8.3		1.90 10.20	1.99	10.29
j	8.5		1.92 10.42	2.07	10.57
k	8.8		2.00 10.80	2.35	11.15
l	9.0		2.05 11.05	2.60	11.60
m	9.2		2.11 11.31	2.75	11.95
n	9.6		2.27 11.87	3.00	12.60
o	9.9		2.38 12.28	3.12	13.02
p	10.0		2.41 12.41	3.15	13.15

Thursday Oct. 17, 1918

Scale M

	Atm 10428	Seq. 96K	
	De. 1	De. 2	Diff.
1	7.4 7.2	7.3	7.35 ^{0.505} 1.91
2		7.5	1.83
3		8.0	1.68
4		8.2	1.86
5		8.4	2.02
6		8.9	1.94
7		9.4	2.25
8		9.9	2.36

74

Thursday Oct. 17, 1918

Scale M

	AC 18107	96K	
	Sc 1	Sc 2	Diff.
1	7.3 7.1	7.2	^{0.505} 7.25 2.01
2	7.4 7.2	7.4	7.4 1.93
3		7.8	1.88
4		8.0	2.06
5		8.2	2.22
6		8.6	2.24
7		8.8	2.85
8		9.2	3.06
9		9.4	3.17
10		9.9	3.16

Thursday Oct. 17, 1918

Scale M

AC 18107			W Orionis		Cark	
	Sc. 1	L. 2	96K. Diff. Mag.	Diff.	Mag.	Mag.
a	6.1 5.9	6.0	6.05 ⁰⁵⁻⁰⁵	1.742	7.79	1.782 7.83
b	6.86 6.8	6.8	6.8	1.832	8.63	1.892 8.69
c	7.0 6.8	7.0	7.0	1.862	8.86	1.932 8.93
d	7.2 7.0	7.2	7.2	1.88	9.08	1.98 9.18
e		7.5		1.91	9.41	2.01 9.51
f		7.6		1.93	9.53	2.05 9.65
g		7.8		1.98	9.78	2.10 9.90
h		7.9		2.00	9.90	2.13 10.03
i		8.4		2.28	10.68	2.34 10.74
j		8.5		2.35	10.85	2.41 10.91
k		8.6		2.45	11.05	2.49 11.09
l		8.8		2.64	11.44	2.63 11.43
m		8.9		2.76	11.66	2.70 11.60
n		9.1		2.94	12.04	2.85 11.95
o		9.6		3.15	12.75	3.08 12.68
p		9.9		3.25	13.15	3.16 13.06

Thursday Oct. 17, 1918

Scale M

	Ac 18107	Castro del	
	Se. 1	Se. 2	Diff.
1	7.4 7.3	7.3	$7.35^{+0.5}_{-0.5}$ 2.05
2		8.0	2.13
3		8.6	2.22
4		8.8	2.69
5		9.0	2.92
6		9.2	3.31
7		9.9	2.77
8		10.0	2.82

11:00

Friday Oct. 18, 1918

Observations of Var. 70.9 -75.50.

Cont. from p. 64.

10:30 AM 2395 11.3

AM 3238 10.6

AM 3807 10.3

AM 10482 11.4

AM 1132 11.1

AM 10475 12.1

AM 3831 10.6

AM 2401 11.9

AM 10429 12.1

B 24855 11.2

B 26766 12.6

B 35286 11.1

B 24624 10.9

B 26888 11.5

B 35269 11.1

B 26809 12.3

B 27123 12.6

B 26723 12.0

B 35294 11.1

B 27158 12.6

B 26817 12.0

B 28830 12.2 near edge

B 24631 10.8

11:30

Ref. Plate

Magnitudes of Comparison Stars for η Orionis

Entered Oct. 28, 1919 from card used at time observations

were made.

star	mag
a	8.4
b	8.8
c	9.0
d	9.2
e	9.5
f	9.6
g	9.8
h	9.9
k	10.3
l	10.6
m	11.0
n	11.3
o	11.6
p	11.9
q	12.5
r	12.8

Friday Oct. 18, 1918

Observations of η Orionis.

21248	2:55	1,19,17	AC 18465	11.1	
21607		1,13,18	AC 19670	10.1	i. elong.
21332		4,13,17	AM 12987	10.0	
21117	Sept. 10, '16		AC 17862	N.S. < 9.8	pl. dark
J.D. 20757.			AC 10746	10.3	
21333		4,14,17	AM 12998	10.2	
20775		10,4,15	AM 11313	10.4	
21609		1,15,18	AC 19680	10.0	
21179		11,11,16	AC 18166	N.S. < 9.6	pl. dark
21288		2,28,17	AC 18611	10.1	
20812			AC 16971	11.1	
21544		9,11,17	AC 19118	9.9	
21187		11,19,16	AC 18195	78.4	yellow pl. α 7 β β 2 γ
21668		3,15,18	AC 19920	9.7	
21336		4,17,17	AM 13025	10.0	
20944	Mar. 21, '16		AC 17419	10.0	
21687		4,3,18	AM 13807	9.6	
20606		4,18,15	AM 10428	8.3	
21497		9,25,17	AC 19196	9.8	
20880	Jan. 17, '16		AC 17215	78.4	yellow pl. α 9 β γ = β
21231		1,2,16	AC 18393	10.7	
21171		11,3,16	AC 18107	11.1	α = β β 5 γ
21543		11,10,17	AC 19438	10.0	
20569			AC 16245	8.8	
21246		1,17,16	AC 18450	10.9	
21536		11,3,17	AC 19385	9.9	i. elong. β 1 α
21172		11,4,16	AM 12814	11.2	β 2 α

4:00

Friday Oct. 18, 1918

BM Position			
J. M.	R. A.	Dec.	Mag.
886	4 54.5	+1.23	6.5
1900 Position			
	4 56.8	+1.27	

Star found to vary in mag. when choosing bright comparison stars for η Orionis.

On plate I_{λ} ^{146/4.2} it is brighter than α and on plate
 AM 12814 it is brighter than α . On plate
 AC 18195 α is brighter than β or (886).

Saturday Oct 19, 1918

Found AC 18195 to be a yellow plate accounting for difference in brightness for β .

Saturday Oct. 19, 1918

Observations of η Orionis

J.D.		+15			
	20398				
	9:15	AC 15532	9.1	$\alpha 2\beta 3r$	
	16033	AM 1636	9.3	$\alpha = \beta$	
21809	8,3,'18	AC 20345	N.S.	$\alpha 2\beta 5r$	i. faint
	20788	AC 16856	10.2	$\alpha 3\beta 3r$	
	19725	AM 8764	9.6	$\alpha 2\beta 4r$	
	15720	AM 2033	9.1	$\alpha 4\beta 3r$	
20835	Dec. 3,'15	AC 17068	10.8	$\alpha 1\beta 6r$	
	15784	AM ²²⁶² 10455	9.3	$\alpha = \beta$	
20609	4,2,'15	AM 10455	N.S.		to near edge
20877	1,14,'16	AC 17212	10.1	$\beta 7r$	very. " "
	16414	AM 2348	9.6	$\alpha = \beta$	
	16942	AC 6263	N.S. < 9.8	$\alpha 1\beta$	
	16390	AC 4025	9.3	$\alpha = \beta$	
	16029	AC 2862	9.2	$\alpha = \beta$	
20962	4,8,'16	AM 11623	9.7	$\alpha 2\beta 4r$	
	16768	AM 3144	10.4	$\beta 1\alpha$	
	18646	AM 6799	9.6	$\alpha = \beta$	
	16813	AM 3251	< 10.3		
	16115	AC 3129	9.6		
21126	9,19,'16	AM 12456	N.S. < 9.9		
	17245	AC 7256	9.9	JA	
	17128	AM 3950	10.2		
21144	10,7,'16	AC 17988	11.0		
	16168	AC 3337	9.1		
			9		

Saturday Oct. 19, 1918

J.D.				
21184	11,16,16	AC 18 180	11.1	near edge
2	16475	AC 4442	9.9	
	20458	AC 15759	9.6	
21217	12,19,16	AC 18324	11.0	
21276	2,16,17	AC 18564	10.3	
	14673	AC 164	10.2	
	20485	AC 15898	9.6	
21323	4,4,17	AC 18754	10.3	
	17284	AC 7374	10.2	
	14993	AC 566	10.1	
	20506	AC 15986	9.5	
	15435	AC 1261	9.6	
	16767	AC 5358	10.3	
21504	10,2,17	AC 19236	9.8	
	14956	AM 261	9.9	
	16788	AC 5481	N.S. < 9.9	
	15724	AM 1131	9.3	
	20546	AC 16110	8.6	
	16823	AC 5688	9.9	
	15653	AC 1786	9.5	
21627	2,2,18	AC 19763	9.7	
	11:00			

Found yellow plate caused M. Orionis to exceed
brightest comparison star - May also be the
cause of change in β .

Saturday Oct. 19, 1918

Observations of nebulae

-15

15057 2:45	AC 711	9.8	
15787	AC 2282	9.2	
21261. 2,1,17	AC 18499	n.s. < 9.9	
15648	AC 1758	9.8	
17980	AC 9252	9.6	
17151	AC 6926	10.2	
21518 10,16,17	AC 19296	9.9	
15740	AC 2096	9.2	dark pl.
18227	AC 9808	8.9	
16064	AC 2959	9.6	
21573 12,10,17	AC 19575	9.9	
16138	AC 3211	9.2	
18277	AC 9972	9.4	
20848 12,16,15	AC 17130	10.9	
21574 12,11,17	AC 19586	9.9	
16580	AM 2514	9.7	
21315 3,27,17	AM 12908	9.8	
16176	AC 3386	9.1	
16796	AM 3219	10.2	
15282	AM 673	9.9	
17107	AM 3896	10.3	
21626 2,1,18	AC 19754	9.7	
16460	AC 4346	9.9	
20932 3,9,16	AM 11549	n.s. < 9.9	

Saturday Oct. 19, 1918

17585	AC 8143	9.2	
16495	AC 4526	10.3	
21317	3,28,17	AM 12923	10.0
17208	AM 4034	N.S. < 10.6	
16032	AM 1629	9.2	
20957	4,3,16	AM 11596	9.8
16767	AC 5359	N.S. < 9.6	
17641	AC 8319	9.0	
21625	1,3,18	AM 13769	N.S. < 9.8
16166	AM 1823	9.1	
17469	AM 4579	9.6	
⁹⁶⁰ 20229	4,6,14	AM 11614	9.9
16851	AC 5803	10.4	
17949	AC 9157	9.7	
21508	10,6,17	AC 19252	9.9
16418	AM 2354	9.6	
17538	AM 4723	9.8	
16906	AC 6089	10.4	
315518261	AC 9916	9.2	
18247	AC 9873	9.2	
17258	AC 7286	9.8	
	+15		
17152	AC 6936	10.6	
17238	AC 7200	10.3	very ft. near edge
16514	AC 4598	10.3	
16519	AC 4620	10.1	

Monday Oct. 21, 1918

Observations of η Orionis

09855	10:15 ⁵	11,9,85	B 116	9.8	from images
13177	12,14,94	B 12728	9.8		
10909	9,28,88	B 2945	9.6		
13444	9,7,95	B 14575	9.5		
15340	11:10	11,16,00	B 26603	9.8	
13604	12:15 ⁵	2,14,96	L 14445	10.2	
13528	11,30,95	L 13941	9.6		
13646	3,27,96	L 14716	9.8		
13548	12,20,95	L 14117	9.7	from pl. is suppressed	
13931	1,6,97	L 16987	9.5		
13525	11,27,95	L 13869	9.8	-	
13637	3,18,96	L 14668	9.9		
14381	4,1,98	L 20570	9.9		
13908	12,14,96	L 16769	9.6		
13616	2,26,98	L 14568	10.0		
14350	3,1,98	L 20291	9.5		
13245	2,20,95	L 12394	11.0		
13894	11,30,96	L 16606	9.5		
13617	2,27,96	L 14571	10.2		
13473	10,6,95	L 13649	9.7		
13886	11,22,96	L 16578	9.0	i. elong.	
14319	1,29,98	L 20099	9.8		
15100	3,21,00	L 24901	9.9		

Monday Oct. 21, 1918

J.D.

13598	2, 8, '96	L 14422	10.2	
12461	12, 28, '92	L 7763	10.3	i. elong. slightly.
13477	10, 10, '98	L 13694	9.7	
14952	10, 24, '99	L 23929	9.8	
13562	1, 3, '96	L 14226	9.8	
14324	2, 3, '98	L 20131	9.6	
13563	1, 4, '96	L 14246	9.9	
12462	12, 29, '92	L 7780	10.1	i. elong.
14289	12, 30, '97	L 19864	9.5	
14940	10, 12, '99	L 23775	9.8	
13878	11, 14, '96	L 16532	9.3	
14270	12, 11, '97	L 19716	9.5	

11.00

Monday Oct. 21, 1918

13267	2,053,14,95	2 12500	10.4	
14681	1,26,99	2 22236	10.1	
13995	3,11,97	2 17520	9.7	
13504	1,6,95	2 13802	9.7	
13965	2,9,97	2 17282	9.2	
14682	1,27,99	2 22256	10.1	
11759	1,26,91	2 2918	9.0	near edge
13560	1,1,96	2 14194	9.8	
12739	10,2,93	2 9574	10.4	
13513	1,15,95	2 13821	9.5	
13936	1,11,97	2 17037	9.4	
13548	12,20,95	2 14130	9.8	v. elong.
13855	10,22,96	2 16244	9.1	
12727	9,20,93	2 9542	10.3	
13258	3,5,95	2 12466	10.5	

2:25

Tuesday Oct. 22, 1918

Observations of Orionis.

+15		
214578599	AC 10951	9.7
17238	AM 4057	10.7
18682	AC 11278	9.3
17501	AM 4650	9.6
19084	AC 12327	9.9
19796	AC 13689	8.8
19381	AC 12779	9.5
17882	AM 5243	9.1
19461	AC 12955	9.8
17287	AC 7379	10.2
19710	AC 13434	9.9
17971	AC 9215	9.6
18600	AM 6693	9.7
20078	AC 14524	9.5
18987	AC 12107	9.8
19692	AC 13352	9.8
18277	AC 9970	9.0
20110	AC 14629	9.1
18308	AC 10135	9.2
19028	AC 12229	9.6
20145	AC 14766	8.9
19326	AM 7883	10.2
19767	AC 13609	9.2
20179	AC 14882	8.6
18374	AC 10288	9.8
17598	AC 8175	9.0

p.i

Tuesday Oct. 22, 1918

17883	ac 8962	9.0
18988	ac 12115	9.8
17552	ac 8095	9.7
20130	ac 14715	8.9
17295	ac 7416	10.0
18962	ac 12052	9.8
19807	ac 13752	8.9
20155	ac 14799	8.7
18680	ac 11266	9.6
18662	ac 11192	9.5
20076	ac 84585	9.0

-15

11,15'15

20817	am 11470	10.8
19794	ac 13683	8.9
18749	ac 11493	9.7
18974	ac 12068	9.7
20082	ac 14535	9.1
20549	ac 16122	8.5
18995	ac 12139	9.6
19055	ac 12300	9.9
18240	am 5877	9.0
19060	ac 12304	9.6
18322	ac 10154	9.5
20189	ac 14912	8.6
19338	ac 12690	9.8

p.i.

p.i.

Tuesday Oct. 22, 1918

	18291	ac 10057	9.1
	19438	ac 12878	9.7
12,16,14	20483	am 10301	9.9
	18613	am 6740	9.7
	19683	ac 13315	9.8
	18609	ac 10988	9.7
	20457	ac 15721	9.5
	18672	ac 11233	9.2
	18658	am 6818	9.7
	19324	am 7874	9.9
3,5,15	20562	am 10323	8.6
	19699	am 8742	9.8
	20239	am 9713	9.0
11,14,15	20816	am 11464	< 10.3
	4105		

Wednesday Oct. 23, 1918

Observations of *N. diomis*

	4+0		
17644	ac 8335	9.2	
10:15			
16377	ac 3955	9.2	
17634	ac 8308	9.5	near edge
16186	ac 3411	9.2	
19336	ac 12677	9.8	
17889	am 5247	9.1	
18205	am 5547	9.2	
21160	ac 18046	11.3	
19322	ac 12639	9.7	
18198	am 5819	9.6	
19306	ac 12555	10.4	
20070	am 9588	9.8	
18586	am 6635	9.8	
16112	ac 3111	9.9	
20063	am 9572	9.7	
19055	ac 12299	9.9	
18569	am 6609	9.6	
17891	ac 8985	8.8	
20062	am 9567	9.8	
16416	ac 4120	9.5	
16056	ac 2971	9.7	
19706	ac 13407	9.4	
17858	ac 8852	9.0	
16052	ac 2949	9.7	
10:45			

Wednesday Oct. 23, 1918

19696	AC 13374	10.2	
19150			
16032	AC 2888 [#]	9.4	
20037	AM 9502	9.7	
18520	AM 6573	9.6	
19692	AC 13357	9.8	
16007	AC 2841	9.0	
20016	AM 9420	9.6	
18551	AC 10780	9.6	
19682	AC 13308	10.2	
18569	AM 6569	9.8	
21160	AC 18045	10.5	very near edge
18920	AM 7274	9.7	
15812	AC 2378	9.1	
20007	AM 9374	9.5	
19333	AM 7912	10.0	
15957	AM 1486	9.3	
20000	AM 9355	9.3 ⁸	
18946	AC 11984	9.4	
16006	AM 1533	8.3	
19993	AM 9349	9.3	
16019	AM 1579	9.0	
19456	AM 8017	10.2	
18943	AC 11965	9.2	p.v.
19989	AM 9344	9.3	

Wednesday Oct. 23, 1918

17873	AM 5227	9.1
21163	AC 18060	10.6
16061	AM 1679	9.9
19014	AC 12183	9.8
16319	AM 2153	9.7
18920	AC 11936	9.6
17836	AM 5162	8.6
21154	AC 18030	10.4
18717	AC 11385	9.2
17893	AM 5252	9.1
11:2519018	AC 12207	9.8

-15

11:3017883	AC 8961	9.2
19691	AC 13341	9.9
18214	AC 9762	9.2
17941	AC 9118	9.7
19681	AC 13298	10.2
16029	AM 1609	9.4
19675	AC 13272	9.9
15984	AM 1578	8.8
16090	AM 1748	9.8
19456	AC 12942	9.7
16160	AC 3298	9.1
19436	AC 12876	9.9
16030	AC 2869	9.2

j. i.

Wednesday Oct. 23, 1915

18597	AC 10938	9.8	
16438	AC 4230	9.7	
16106	AM 1763	10.0	
20022	AC 14487	9.7	
16116	AC 3137	9.8	
18589	AC 10906	9.7	
16107	AC 3094	10.0	
16339	AM 2196	9.7	
18747	AC 11484	9.6	
16428	AC 4189	9.5	
19323	AC 12647	9.8	
16346	AM 2226	9.7	
11:55 ¹⁹³¹⁷	AC 12615	10.2	pl dark
16396	AM 2305	9.5	
19370	AC 12760	9.6	
17616	AC 8230	9.6	
16418	AC 4140	9.2	
17619	AC 8244	8.9	
19343	AC 12707	9.8	
18341	AC 10202	9.5	
19695	AC 13367	9.8	
15810	AC 2370	9.1	

Wed. Oct. 23, 1918.

J.D.

2,7,16	20901	Q 14570	10.3
12,22,14	20489	Q 13284	9.8
1,9,15	20507	Q 13367	9.8
2,17,15	20546	Q 13466	8.9
3,13,15	20570	Q 13604	8.8
1,29,16	20892	Q 14545	10.3
2,4,16	20898	Q 14563	9.9
2,29,16	20923	Q 14641	10.7
3,4,16	20927	Q 14655	10.5
10,30,15	20801	Q 14204	10.4
10,11,14	20417	Q 12969	9.5
1,4,15	20502	Q 13328	9.7
1,10,15	20508	Q 13377	9.6
11,17,15	20819	Q 14301	10.2
10,8,14	20437	Q 13045	9.8
2,20,15	20549	Q 13498	8.6
11,30,15	20832	Q 14334	10.5
11,16,14	20453	Q 13161	9.8
11,26,14	20463	Q 13158	9.7
1,2,10,14	20477	Q 13195	10.0
3,16,15	20573	Q 13627	8.7
12,16,15	20848	Q 14407	10.9
3,13,14	20205	Q 12342	8.7
3,27,15	20584	Q 13684	8.5

Wed. Oct. 23, 1918

J.D.

1, 7, 16	20870	AL 14471	10.2	AL 13534	n.s.	i.f.
10, 31, 14	20437	AL 13047	9.7			
12, 24, 15	20862	AL 14448	10.3			
4, 15	20589	AL 13709	8.5			
11, 12, 14	20454	AL 13113	9.9			
12, 11, 14	20478	AL 13203	10.1			

2150

3100

+15"

18351	AL 10228	9.6
18367	AL 10275	9.5
16443	AL 4251	9.7
18580	AL 10853	9.8
15985	AM 1520	8.7
19344	AL 12717	9.6
16029	AM 1610	9.2
18598	AL 10940	9.8
16046	AL 2930	9.3
19412	AL 12839	9.4
16030	AM 1616	9.4
18344	AL 10212	9.5
16104	AL 3089	9.8
19443	AL 12108	9.5
16034	AM 1646	9.3
16138	AL 3212	9.2

Wednesday Oct. 23, 1918

16358	AM 2241	9.4
16061	AC 2782	9.9
19472	AC 12985	9.9
18708	AC 11354	9.4
19682	AC 13309	10.4
16160	AC 3300	9.0
18740	AC 11449	9.6
16402	AM 2333	9.4
19690	AC 13330	9.9
17792	AM 5045	9.2
16169	AC 3347	8.8
18973	AC 12061	9.8
17864	AM 5206	9.1
16186	AC 3412	9.2
19018	AC 12208	9.6
17877	AM 5231	9.1
15810	AC 2372	9.2
18209	AM 5857	9.2
19033	AC 12041	9.7
18573	AM 6622	9.7
19042	AC 12276	9.8
17619	AC 8245	9.1
16406	AC 4053	9.6
18181	AC 9685	9.4
19337	AC 12683	9.8

Wednesday Oct. 23, 1918

18575 AM 6629 9.5

16417 AC 4130 9.5

19339 AC 12698 9.8

18591 AM 6660 9.8

3:20

Thursday Oct. 24, 1918

Observations of M. Orionis

	4 0.0		
9:20 16744	AM 3064	10.0	
18742	AC 11460	9.7	+15
19980	AM 9289	9.6	
16714	AC 5760	< 9.6	+
18757	AC 11534	9.7	
16715	AM 2986	10.2	
16710	AM 2956	10.1	

9:30

Continued on page 111 -

Friday Oct. 25, 1918

Observations of β Centauri.

11:35 B 39002 8.9

B 38717 9.1

⁴⁷¹¹⁶
B ~~50152~~ 8.7

B 50152 9.3

B 39333 9.1

B 40005 8.7

B 39001 8.7

B 47018 8.9

B 39240 9.2

edge

B 38666 8.8

B 47067 9.7

B 50097 8.8

B 40002 8.7

B 40339 8.9

B 50044 9.5

B 39065 9.1

B 39243 9.7

B 41282 9.5

B 39044 9.1

B 49931 8.8

B 38444 8.8

B 49927 8.7

B 39063 9.7

B 46635 8.9

Friday Oct. 25, 1918

B 46611	9.0	
B 39242	9.6	
B 39062	9.7	
B 50558	8.8	edge
B 49879	9.0	
B 49833	9.5	edge
B 39241	9.2	
B 39019	9.3	
B 49635	8.8	very near edge
B 43671	8.9	
B 39017	9.1	

1:00

2:15

B 39246	9.1	
B 39016	8.9	
B 43624	8.8	
B 50349	8.9	edge
B 39285	9.6	
B 46608	9.0	very near edge
B 46470	8.75	
B 46542	8.7	
B 39284	9.8	
B 39303	9.8	
B 46412	8.8	
B 46970	9.8	
B 46812	8.9	very near edge

Friday Oct. 25, 1918

B 39302	9.7	
B 80 265	8.8	edge is along
B 39329	9.0	
B 52725	8.7	
B 37475	8.8	
B 38995	8.7	
B 52302	9.1	
B 39328	9.1	
B 38913	8.8	
B 39011	9.3	
B 50325	8.7	
B 39327	9.5	
B 38774	9.1	
B 38719	9.0	
B 39009	9.1	
B 39326	9.6	i. haze
B 47117	8.8	
B 50156	9.3	
B 50223	8.7	
B 39334	9.1	
B 39330	9.6	
B 50221	8.7	
B 47165	9.2	
B 38769	8.9	

3:10

Saturday Oct. 26, 1918
Monday Oct. 28, 1918

Observations of γ Centauri

10:15	AM 7437	9.7 [✓]	
	AM 7436	9.2 [✓]	
	AM 6967	9.1 [✓]	
	AM 6202	9.0 [✓]	
	AM 5681	9.2 [✓]	
	AM 6065	9.4 [✓]	
	AM 5434	9.3 [✓]	
	AM 5416	9.2 [✓]	
	AM 10409	9.4 ^{6✓}	
	AM 10397	9.7 [✓]	
	AM 5526	9.8 [✓]	
	AM 5525	9.6 [✓]	
	AM 5514	9.3 [✓]	
	AM 6365	9.3 [✓]	
	AM 5946	9.5 [✓]	
	AM 12791	9.4 [✓]	
	AM 12819	9.6 [✓]	
	AM 12967	9.5 [✓]	
	AM 5524	9.4 [✓]	
	AM 13017	9.3 [✓]	
	AM 4901	9.6 [✓]	
	AM 5513	9.2 [✓]	
	AM 4746	9.6 [✓]	
	AM 13811	9.5 [✓]	
	AM 2917	9.6 [✓]	} already published
	AM 2569	9.7 [✓]	

10:40

Monday Oct. 28, 1918

Observations of δ Centauri

	Plates turned 180°		Mean from pp. 101-103
10:45	B 38769	8.9	8.9 8.9 ^v
	B 39285	9.7	9.6 9.65
	B 47165	9.3	9.2 9.25 ^v
	B 50349	9.1	8.9 9.0 ^v
	B 43624	8.9	8.8 8.85 ^v
	B 50221	8.7	8.7 8.7 ^v
	B 39016	9.2	8.9 9.05 ^v
	B 49603	N.S. out of focus	
	B 39330	9.6	9.6 9.6 ^v
	B 39246	9.0	9.1 9.05 ^v
	B 50372	N.S. edge	
	B 39334	9.1	9.1 9.1 ^v
	B 50223	8.6	8.7 8.65 ^v
	B 39017	9.0	9.1 9.05 ^v
	B 50156	9.5	9.3 9.4 ^v
	B 43625	N.S. edge	
	B 47117	8.8	8.8 8.8 ^v
	B 39331	N.S. from fl.	
	B 39326	9.8	9.6 9.7 ^v
	B 43671	8.9	8.9 8.9 ^v
	B 49635	8.8 edge	8.8 8.8 ^v
	B 39009	9.3	9.1 9.2 ^v
	B 38719	8.9	9.0 8.95 ^v
	B 39019	9.1	9.3 9.2 ^v

Monday Oct. 28, 1918

			Copied from pp. 101-103	Mean
B 39241	9.6		9.2	9.4 [✓]
B 38774	9.2		9.1	9.15 [✓]
B 39327	9.7		9.5	9.6 [✓]
B 49833	9.5		9.5	9.5 [✓]
B 49879	8.9		9.0	8.95 [✓]
B 50325	8.7		8.7	8.7 [✓]
B 50558	8.9		8.8	8.85 [✓]
B 39062	9.6		9.7	9.65 [✓]
B 39242	9.7		9.6	9.65 [✓]
B 39011	9.4		9.3	9.35 [✓]
B 46611	9.0		9.0	9.0 [✓]
B 38913	8.8		8.8	8.8 [✓]
B 50330	8.9	edge		
B 46635	8.8		8.9	8.85 [✓]
B 39063	9.7		9.7	9.7 [✓]
B 49927	8.6		8.7	8.65 [✓]
B 39328	9.0		9.1	9.05 [✓]
B 38444	8.9		8.8	8.85 [✓]
B 52302	9.2		9.1	9.15 [✓]
B 38995	8.7		8.7	8.7 [✓]
B 49931	8.9		8.8	8.85 [✓]
B 37475	8.8		8.8	8.8 [✓]

11:45

Monday Oct. 28, 1918.

	Plates turned 180°		Copied from pp. 101-103	Mean.
2:15	B 52725	8.7		8.7 ✓
	B 39329	9.1	9.0	9.05 ✓
	B 52265	8.8	8.8	8.8 ✓
	B 39302	9.5	9.7	9.6 ✓
	B 46786	8.75		
	B 46812	8.8	8.9	8.85 ✓
	B 46970	9.8	9.8	9.8 ✓
	B 46412	8.9	8.8	8.85 ✓
	B 39303	9.7	9.8	9.75 ✓
	B 39284	9.8	9.8	9.8 ✓
	B 46542	8.6	8.7	8.65 ✓
	B 46470	8.6	8.75	8.68 ✓
	B 46608	8.7	9.0	8.85 ✓
	B 37064	9.1	9.1	9.1 ✓
	B 41202	9.6	9.5	9.55 ✓
	B 39243	9.7	9.7	9.7 ✓
	B 39065	9.1	9.1	9.1 ✓
	B 50044	9.5	9.5	9.5 ✓
	B 40339	8.9	8.9	8.9 ✓
	B 40002	8.6	8.7	8.65 ✓
	B 50097	8.9	8.8	8.85 ✓
	B 47067	9.6	9.7	9.65 ✓
	B 38666	8.9	8.8	8.85 ✓
	B 39240	9.5	9.2	9.35 ✓
			edge	

Monday Oct. 28, 1918

			Copied from pp. 101-103	Mean
	B 47018	8.7	8.9	8.8 ✓
	B 39001	8.7	8.7	8.7 ✓
	B 40005	8.75	8.7	8.72 ✓
	B 39333	9.2	9.1	9.15 ✓
	B 50152	9.2	9.3	9.25 ✓
	B 47116	8.8	8.7	8.75 ✓
	B 38717	8.9	9.1	9.0 ✓
2:50	B 39002	8.8	8.9	8.85 ✓

Tuesday Oct. 29, 1918

Observations of δ U Centauri

2:30	A 8295	8.7 [✓]	
	Am 10410	9.5 [✓]	
	Am 9253	9.6 [✓]	
	Am 8315	9.4 [✓]	
	Am 8482	9.7 [✓]	
	Am 8853	9.1 [✓]	
	Am 8931	9.2 [✓]	
	Am 12307	9.1 [✓]	near edge
	Am 13281	9.3 [✓]	
	Am 12792	9.6 [✓]	
	Am 11667	9.7 [✓]	
	Am 11923	9.4 [✓]	near edge
	Am 9974	9.3 [✓]	
2:40	Am 6073	9.1 [✓]	

Tuesday Oct. 30, 1918

Observations of δ Centauri

10:10	AM 10398	9.6 [✓]	
	AM 10599	9.3 [✓]	
	AM 13046	9.7 [✓]	
	AM 6913	9.6 [✓]	
	AM 7438	9.6 [✓]	
	AM 7445	9.6 [✓]	
	AM 7533	9.5 [✓]	
	AM 8827	9.1 [✓]	near edge
	AM 9737	9.6 [✓]	" "
	AM 9714	9.4 [✓]	

10:20

See pp. 116-117.

Wednesday
~~Monday~~ Oct. 30, 1918

Observation of η Orionis

10:25	AM 3978	10.2 ^v	
	AM 2574	9.7 ^v	
	AM 12814	11.1 ^v	
	AC 7152	10.4 ^v	very ft.
	AM 5819	9.5 ^v	defect in film near
	AC 12839	9.3 ^v	i. elong
	AM 5847	9.3 ^v	near edge
	AC 12908	9.6 ^v	
	AC 7120	10.4	
	AC 5760	N.S. < 9.9 ^v	
	AM 9374	9.5 ^v	
	AC 12985	10.0 ^v	f. i.
	AC 7129	10.4 ^v	near edge
	AM 9420	9.7 ^v	" "
	AM 11614	9.8 ^v	very ft.
	AM 5857	9.2 ^v	
	AC 18499	N.S. < 9.9 ^v	- 4 i.
	AM 9502	9.7 ^v	near edge
	AC 18107	11.0 ^v	
	AC 6965	10.3 ^v	
	AC 9688	9.2 ^v	
	AM 9567	9.6 ^v	
	AC 6929	12.4 ^v	
	AC 9808	8.9 ^v	
	AM 9251	10.1 ^v	
	AM 12456	N.S. < 9.9 ^v	

Wednesday Oct. 30, 1918.

AC 17988	11.0 [✓]	
AC 9972	9.1 [✓]	
AM 9572	9.7 [✓]	film def.
AC 17130	10.9 [✓]	
AM 9588	9.7 [✓]	
AM 11549	10.4 [✓]	
AM 11596	9.8 [✓]	
AC 5359	N.S. [✓]	
AC 5803	10.2 [✓]	
AM 3219	10.2 [✓]	
AC 17068	11.1 [✓]	
AC 6089	10.5 ^{-✓}	
AC 17212	10.6 [✓]	near edge
AC 9916	8.9 [✓]	
AC 18611	10.2 [✓]	
AC 12779	9.2 [✓]	
AC 9873	8.7 [✓]	
AC 12878	9.5 ^{-✓}	deg. film
AM 11633	9.8 [✓]	
AC 10057	9.0 [✓]	
AC 16971	11.2 [✓]	
AC 14535	9.5 [✓]	
AM 5877	8.9 [✓]	
AC 18166	N.S. < 9.2 [✓]	
AC 10135	9.2 [✓]	
AC 9970	9.1 [✓]	

Wednesday Oct. 30, 1918

AC 18564	10.5 ^v	
AC 12955	9.7 ^v	
AC 14505	9.5 ^v	near edge
AC 18324	11.2 ^v	
AC 14524	9.5 ^v	
AC 18180	11.3 ^v	very near edge
AM 11464	N.S. < 10.3	
AC 18450	11.0 ^v	
AC 17215	yellow	
AC 18393	10.6 ^v	
AC 18195	yellow	
AC 17419	9.8 ^v	
AC 14487	9.5 ^v	i. elong.
AC 18046	11.2 ^v	near edge
AM 11470	10.8 ^v	
AC 12876	9.8 ^v	
AC 9762	9.2 ^v	
AC 18060	10.8 ^v	
AC 5688	10.1 ^v	
AC 12942	9.8 ^v	
AC 5481	N.S. < 10.3	
AM 9289	9.5 ^v	
AM 2986	10.1 ^v	
AM 9344	9.4 ^v	
AM 8017	9.7 ^v	
AM 2956	10.2 ^v	

Wednesday Oct. 30, 1918

AM 9355	9.6
AC 5358	10.2
AC 14659	9.1
AM 3064	10.1

11:55

Tuesday Nov. 5, 1918
Monday Nov. 4, 1918

~~Lucy~~

Observations of η Orionis.

9:05		
9:25	AD 14570	✓ 10.2
	AD 14724	✓ N.S. < 9.6
	AD 14563	✓ 10.0
	AD 14204	✓ 10.3
	AD 14655	✓ 10.4
	AD 14641	✓ 10.7
	AD 14492	✓ N.S. fogged
	AD 14525	✓ 10.3
	AD 14386	✓ N.S. < 9.9
	AD 14267	✓ N.S. < 9.9
	AD 14301	✓ 10.3
	AD 14238	✓ N.S. < 9.9
	AD 14494	✓ N.S. dark pl.
	AD 14448	✓ 10.3
	AD 14471	✓ 10.4
	AD 14407	✓ 10.3
	AD 14345	✓ N.S. < 9.9
	AD 14334	✓ 10.5

9:20

Tuesday Nov. 5, 1918

Observations of δ Centauri

9:25	A M 5512	✓ 9.0 8.9
	A M 12847	✓ 8.7
	A M 7604	✓ 9.0
	A M 12059	✓ 8.8
	A M 5532	✓ 9.1
	A M 12027	✓ 8.7
	A M 5519	✓ 8.9
	A M 11648	✓ 8.9
	A M 11594	✓ 8.7
	A M 5515	✓ 8.5
	A M 10430	✓ 9.2
	A M 5518	✓ 9.0
	A M 7386	✓ 8.9
	A M 10388	✓ 8.6
	A M 6179	✓ 8.8
	A M 10433	✓ 9.3
	A M 10413	✓ 8.8
	A M 6108	✓ 8.9
	A M 6101	✓ 9.0
	B 52678	✓ 8.8
	B 52800	✓ 8.9
	B 52824	✓ 8.7
	B 52776	✓ 9.5
	B 52907	✓ 8.8
	B 52928	✓ 8.7
	B 52965	✓ 8.7

Tuesday Nov 5, 1918.

pp. 116+117 mean

B 52988 ✓ 8.9

B 53006 ✓ 9.3

B 53034 ✓ 9.5

9:55

Turned 180°

4:00 B 52678 8.7 8.8 8.75

B 52824 8.6 8.7 8.65

B 52907 8.8 8.8 8.8

B 52965 ✓ 8.6 8.7 8.65

B 53006 ✓ 9.5 9.3 9.4

B 52820 ✓ 8.7 8.9 8.8

B 53776 ✓ 9.5 9.5 9.5

B 52928 ✓ 8.7 8.7 8.7

B 52988 ✓ 8.8 8.9 8.85

B 53034 ✓ 9.4 9.5 9.45

4:12

9:15

Wednesday Nov. 6, 1918

Plate MC 7712

Positions of Comparison stars for η Orionis

Mean α	Mean δ		α	δ	α	δ	Diff α	Diff δ	Diff α	Diff δ
141085	14500	Var.	1409	1450	1408	1450				
13650	16995	a	1365	1700	1365	1699				
17240	13975	b	1724	1397	1724	1398				
12750	12695	c	1275	1270	1275	1269				
17965	13025	d	1796	1302	1799	1303				
18700	13780	e	1870	1378	1870	1378				
15000	14195	f	1500	1419	1500	1420				
11965	15205	g	1196	1521	1197	1520				
13870	15530	h	1387	1553	1387	1553				
14445	14310	i	1445	1431	1444	1431				
15680	13205	j	1568	1321	1568	1320				
13000	13510	k	1300	1351	1300	1357	+650	+3485	+4240	+465
12665	15215	l	1267	1522	1266	1521	+985	+1780		
14680	15415	m	1468	1542	1468	1541	-1030	+1580	+2560	-1440
14875	13835	n	1487	1384	1488	1383	-1225	+3160	+2365	+140
13230	14225	o	1323	1423	1323	1422	+420	+2770	+4010	-250
13240	14485	p	1324	1449	1324	1448	+410	+2510	+4000	-510

10:15

	R.A. 1900	Dec.	sec δ	4 sec δ	1 sec δ
a +1896	5 ^h 00 ^m 43.3 ^s	+1° 43.6'	1	4	1
b +0924	4 56 46.8	0 53.9	1	4	1
c +0945	5 01 41.0	0 32.3	1	4	1
g +1905	5 2 30.4	1 14.1	1	4	1

Diff v (c) Diff h. Diff v (g) Diff h. Diff v (a) Diff h. x 78.2 Diff v (b) Diff h. Diff v (c) Diff h. Diff v (g) Diff h. ^{4.22}

-250	-815	700		+ 63830	+342.227	+416368	+456638	-24550	-800.33
+ 85	-2520	-700	-10	+ 967.27	+174796			+8347	-247464-68740-982
-1930	-2720			- 101146	455156	+ 251392	-4360 ^{14.4} 08	-189526	-267104
-2125	-1140			- 120295	+310312	+ 232243	+ 13748	-208675	-111948
-480	-1530			+ 412.44	4272014	+ 3937.82	- 24550	471.36	-150246
-490	-1790			+ 402.62	4246482	+ 3928.00	- 500.82	481.18	-1757.78

Omit.

Diff 0.4 sec

a b x ~~c~~ g

a

b

c

d

e

f

g

h

k

l

m 2553.20 16654.72 982.00

n 3869.08 10211.00 333.88 2749.60

o 4045.84 10055.68 7581.04

p 4811.80 9289.72 8347.00

q 1649.76 157151.28 1885.44

r 1610.48 15712.00 1924.72

Var.

R.A. 1900 Dec. Mean pos.

m 543^{16.5}

n

o

p

R.A. 1900 Dec. Mean pos.

q

r

Nov. 12, 1918

Var.	Diff. v. $\frac{122.5}{15}$	$\frac{122.5}{15}$	$\frac{122.5}{15}$	g	Diff. v. Var.	Diff. h.	Diff. v. Var.	Diff. h.
a					+4.35	-24.95	+4271.7	-24500.9
b					-31.55	+5.25	+4221.7	+5755.5
c					+13.35	+18.05	-3098.2	
d					+38.80	+14.75	+13109.7	+1772.51
e							-38101.6	+1448.45
f					-46.75	+7.20	-45319.3	+707.04
g					-9.15	+3.05	-8985.3	+299.51
h					+21.20	-7.05	+20818.4	-692.31
i					+2.15	-10.30	+2111.3	-1011.46
j					-3.60	+1.90	-3535.2	+186.58
k					-15.95	+12.95	-15662.9	+1271.69
m	+42.55	+277.57	-16.36		+10.85	+9.90	+10654.7	+972.18
n	+64.48		+5.56	-45.82	+14.20	-7.15	+13944.4	-702.13
o	-67.43	+167.59	-126.45		-5.95	-9.15	-5842.9	-898.53
p	-80.19	+154.83	-139.12		-7.90	+6.65	-7757.8	+653.03
q	+27.49	+262.52	-31.42		+8.55	+2.75	+8376.1	+270.05
r	+26.84	+261.83	-32.08		+8.45	+0.15	+8297.9	+14.73
R. A. 1900 Dec.					Mean pos. 1900.			
m	5 01	25.9 24.4 24.6	+0	46.6 46.8 46.6	5 01	24.9	+0	46.1
n	5 01	47.8 47.6 44.6	+1	14.5 13.5 14.3	5 01	46.7	+1	14.1
o	4 59	35.9 34.4 34.6	+1	17.9 17.5 16.8	4 59	34.9	+1	17.4
p	4 59	23.1 21.6 21.9	+0	51.9 51.6 51.0	4 59	22.2	+0	51.5
q	5 01	10.8 9.3 9.6	+0	58.3 58.0 57.3	5 01	9.9	+0	57.8
r	5 01	10.1 8.7	+1	2.5 2.2	5 01	9.2	+1	2.1

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Friday Nov. 8, 1918

Sheet no. p. 161

Scale M

B Series 187

B 471.01

C 10

19 01 +15

9:30

	ac. 1	ac. 2	Mean.	Diff.	g	h	P.C.
	3.0						
1	2.8			3.84	7.4	7.3	7.35 - 0.51 8.3 -1.46
	3.6						
2	3.4			3.75 ⁸¹	7.6	7.7	7.65 - 0.24 8.5 -1.09
	3.9						
3	3.8			3.44	7.6	7.6	7.60 - 0.26 8.7 ³ -1.46
	4.3						
4	5.1	4.3	4.30	3.54	7.9	7.9	7.90 - 0.06 9.0 -1.16
	4.9						
6	5.7	4.9	4.90	3.60	8.6	8.6	8.60 - 0.10
	4.8						
7	5.8	5.0	5.00	3.29	8.7	8.6	8.65 - 0.36
	6.1						
8	5.9	5.8	5.95	3.15	9.3	9.4	9.35 - 0.25
	6.3						
9	6.1	6.2	6.25	3.15	9.9	9.8	9.85 - 0.45
	6.5						
10	6.3	6.4	6.45	3.24	10.0	10.0	10.00 - 0.31
	7.0						
11	7.0	7.2	7.20	2.84			
	7.4						
11a	7.4	7.4					
11b	7.4						
12	7.2	7.5	7.40	2.99			
13		7.8		2.93			
15	8.5	8.3		2.87			
16	8.6	8.6		2.92			
17		8.9		3.00			
18	9.5	9.3		3.05			
19	9.5	9.5	9.50	3.24			
20		9.7	9.6	9.65	3.22		
21		9.7	9.7	9.70	3.78		
22		N.S.					
		9.7					
22a		9.3	9.4	9.35			
22b		9.8	9.8	9.80			
24		N.S.					
25		N.S.					
26		N.S.					

alt. Cor. applied in mag.

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Friday Nov. 8, 1918

Copied in Bk. 45: 142

Scale M

B Series 187

B 47102

R Y Sagittarii

19 10 - 33.7 alt. lat. 04

P.C.

Mean.	Sc. 1	Sc. 2	Curv.	Mag.	pc 2	pc 2	Curv.	Mag.	pc 2	Mag.		
4.50	b	4.7	4	4.3	2.74 ³	7.27	7.3	7.4	7.35-0.58	6.83	8.4-1.40	7.04
4.70	c	4.9		4.5	2.74	7.48	7.5	7.4	7.45-0.53	6.96	8.6-1.41	7.23
5.05	d	5.1		5.0	2.75	7.84	7.7	7.6	7.65-0.45	7.25	8.8-1.41	7.43
5.55	d'	5.6		5.5	2.77	8.36	8.3	8.4	8.35-0.38	8.11	9.4-1.42	8.02
5.85	e	5.9		5.8	2.78	8.67	8.5	8.5	8.50-0.36	8.28	9.7-1.43	8.31
6.10	f	6.1		6.1	2.78	8.92	8.7	8.8	8.75-0.37	8.52	10.0-1.45	8.59
6.60	g	6.6		6.6	2.78	9.42	9.3	9.4	9.35-0.30	9.09		
6.65	h	6.7		6.6	2.78	9.47						
7.00	h'	7.0		7.0	2.78	9.82						
7.40	k	7.4		7.4	2.79	10.28						
	l			7.7	2.80	10.54						
	m			8.2	2.83	11.07						
	n			8.4	2.87	11.31						
9.00	o		9.0	9.0	2.96	12.00						
9.50	p	9.5	9.5	9.5	3.05	12.59						
9.70	q		9.7	9.7	3.10	12.84						
9.95	r		9.9	10.0	3.18	13.17						
10.10	s		10.1	10.1	3.21	13.35						

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alt. corr. applied in mag.

Friday Nov. 8, 1918

Copied in Bk. 45:151

Scale M

B Series 187

		B 47103		Z Sagittarii		19 14 -21.1	Alt. Cor. +.06	
					g	h		P.C.
Mean		Sc. 1	Sc. 2	Curv.	Mag.	Ac. 2	Sc. 2	Sc. 2
5.80	a	5.8 5.6	5.8	2.77	8.63			
5.95	c	6.0 5.8	5.9	2.78	8.79			
6.15	b	6.2 6.0	6.1	2.78	8.99			
	g		7.8	2.80	10.66			
	h		8.0	2.82	10.88			
	d		8.3	2.86	11.24			
	e		8.6	2.89	11.55			
	f		8.8	2.92	11.78			
	h		9.0	2.96	12.02			
9.10	m		9.1	2.97	12.13			
9.35	n		9.3	3.02	12.43			
9.50	l		9.5	3.05	12.61			
9.80	o		9.8	3.13	12.99			
9.95	p		10.0	3.18	13.19			
	p'		N.S.					
	q		"					
	r		"					
	s							

Friday Nov. 8, 1918

Scale M

B Series 187

	B+7107	C 11		21 10 + 15				
					g	h	P.C.	
	Ac. 1	Ac. 2	Mean	Diff.	Ac. 2	Ac. 2	Diff	Ac. 2
1	5.0							
12	4.8	4.9	4.95	1.86	7.5	7.4	7.45 - 0.64	8.5
	4.9				7.2	7.1	7.15	8.3
2	5.2	4.7	4.70					
	5.0	5.1	5.15	1.93	7.7	7.7	7.70 - 0.62	8.7
	5.7							
3	5.5	5.7	5.70	2.97	8.0	8.0	8.00 - 0.33	8.8
	6.0							
4	5.8	5.9	5.95	1.96	8.3	8.3	8.30 - 0.39	9.7
	6.1							
5	5.9	6.0	6.05	2.25	8.5	8.5	8.50 - 0.20	9.8
	6.2							
6	6.0	6.1	6.15	2.31	8.5	8.6	8.55 - 0.09	9.8
	6.3							
7	6.1	6.3	6.30	2.53	9.0	9.1	9.05 - 0.22	
	6.5							
8	6.3	6.6	6.55	2.48	9.4	9.4	9.40 - 0.37	9.9
	7.0							
10	6.8	7.0	7.00	2.45	9.8	9.9	9.85 - 0.40	
12		7.3		2.55				
14		7.4		2.57				
15		7.6		2.80				
16		8.0		2.70				
17a		8.4		2.8				
17		8.2		2.82				
17b		8.3						
20		8.6		2.79				
23		8.9		2.96				
24		9.3		3.10				
25		9.6		2.97				
26		9.9		3.00				
27		10.0		3.14				
28		11.5						

12140

Sheet no. 161

Saturday Nov. 9, 1918

Scale M.

B series 187

9:00

	B 47101	C 10	1901 + 15			
	Sc. 1	Sc. 2 Mean	Diff.	g	h	PC
	Sc. 1			Sc 2	Sc 2	Diff Sc 2.
1	3.3 4.1		3.54	7.3	7.2 7.25 -0.41	8.2 -1.36
2	4.0 3.8		3.41	7.7	7.7 7.70 -0.29	8.4 -0.99
3	4.1 4.9		3.24	7.9	7.8 7.85 -0.51	8.6 -1.26
4	4.3 4.8	4.3 4.30	3.44	8.0	8.0 8.00 -0.16	9.2 -1.36
6	5.0 4.8	4.9 4.95	3.55	8.8	8.9 8.85 -0.35	9.4 -0.90
7	5.2 5.8	5.1 5.15	3.14	8.6	8.8 8.70 -0.41	9.5 -1.21
8	6.0 5.8	5.9 5.95	3.15	9.5	9.4 9.45 -0.35	9.8 -0.70
9	6.4 6.2	6.3 6.35	3.05	9.8	9.9 9.85 -0.45	
10	6.7 6.8	7.0 7.00	2.69			
11a		7.9				
11b		7.4				
11		7.2	2.84			
12		7.4	3.09			
13		8.0	2.73			
15		8.2	2.97			
16		8.6	2.92			
17		8.9	3.00			
18		9.4	2.95			
19	9.7	9.8 9.75	2.99			
20	9.8	9.9 9.85	3.02			
21	9.9	9.9 9.90	3.58			
22	N.S.	N.S.				
22a	9.5	9.6 9.55				
22b	10.0	10.0 10.00				
24		N.S.				

Alt. Cor. applied in mag.

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Saturday Nov. 9, 1918

Copied in Rk 45: 155

Scale M

B Series 167

B 47104

R R Sagittarii 19 50 -29.4 Alt. Cor. +0.5

Mean	Ac. 1	Ac. 2	Curv	Mag.	g	h	P.C.
4.15	a 4.2	4.1	2.91	7.11	8.1	8.20	8.3-0.41 7.84 7.2
5.00	b 4.8	5.0	2.85	7.90	8.7	8.65	8.6-0.40 8.30 7.9
5.20	a' 5.2	5.2	2.83	8.08	9.0	9.00	9.0-0.39 8.66
5.40	b' 5.4	5.4	2.81	8.26	9.1	9.15	9.2-0.40 8.80
5.55	c 5.5	5.6	2.80	8.40	8.6	8.70	8.8-0.40 8.45 7.5
5.80	B 5.8	5.8	2.80	8.56	9.2	9.20	9.2-0.40 8.85
5.75	c 5.7	5.8	2.80	8.60	8.9	8.95	9.0-0.41 8.59
5.85	d 5.9	5.8	2.80	8.70	9.2	9.15	9.1-0.40 8.80
6.15	e 6.0	6.1	2.80	9.00	9.7	9.70	9.7-0.43 9.32
6.40	f 6.4	6.4	2.80	9.25	9.9	9.85	9.8-0.44 9.46
6.80	g 6.8	6.8	2.79	9.64			
	h	7.6	2.82	10.47			
	f' 8.1	8.1	2.88	11.03			
	f ²	8.5	2.90	11.45			
	k	8.4	2.89	11.34			
	l	8.4	2.89	11.34			
	m	8.7	2.90	11.65			
9.10	n	9.1	2.92	12.07			
9.35	o	9.3	2.95	12.35			
9.50	p'	9.5	2.97	12.52			
9.70	p	9.7	2.99	12.74			
9.90	p ²	9.9	3.00	12.95			

alt. cor. applied in mag.

Saturday Nov. 9, 1918

Scale M

B series 187

Copied in Bk. 45: 156

B 47105

R & Sagittarii

1952 - 42.1 alt. cor. + .02

P.C.

Mean	Ac 1	Ac 2	Curve	mag.	g	h	P.C.
	4.0						
4.00	A 3.8	4.0	2.92	6.94	8.2	8.20	8.2-0.42 7.80 9.0
	4.1						
4.10	a 3.9	4.1	2.91	7.03	8.1	8.05	8.0-0.44 7.66 9.1
	4.3						
4.30	b 4.1	4.3	2.90	7.22	8.6	8.60	8.6-0.40 8.22 9.8
	5.3						
5.30	B 5.1	5.3	2.89	8.21	8.7	8.65	8.6-0.40 8.27 10.1
	5.8						
5.70	C 5.6	5.6	2.87	8.59	8.8	8.85	8.9-0.40 8.47
	5.7						
5.85	d 5.3	5.8	2.86	8.73	9.0	9.05	9.1-0.40 8.67
	5.9						
5.90	e 5.7	5.9	2.86	8.78	9.2	9.25	9.3-0.40 8.87
	6.4						
6.40	f 6.2	6.4	2.80	9.22	9.7	9.65	9.6-0.42 9.25
	g	7.2	2.80	10.02			
	h	7.8	2.85	10.67			
	h'	8.2	2.88	11.10			
8.60	k	8.6	2.90	11.52			
8.70	k'	8.7	2.90	11.62			
8.95	l	9.0	2.91	11.82			
9.60	l'	9.6	2.98	12.60			
9.70	l''	9.7	2.99	12.71			
9.85	m	9.8	3.00	12.87			
	n	N.S.					
	n'	N.S.					

alt. Cor. applied in mag.

129

Saturday Nov. 9, 1918

Applied in $Rk. 45 \div 210$

Scale M

B series 187

B 47106

5 Telescopii

19 59 - 53.8

Alt. Cor. -.05

g

h

P.C.

Mean.		Sc. 1	Sc. 2	Cur.	Mag.	Sc. 2	Mean	Sc. 2	C.	Mag.	Sc. 2
	A	3.840		2.92	6.87						
6.20	a	6.062	8.2	2.80	8.95	7.2	7.25	7.3	-0.51	6.69	8.4
5.85	a'	5.959	5.8	2.80	8.60	8.0	7.10	9.2	-0.40	8.65	10.0
6.05	b	5.961	6.0	2.80	8.80	8.5	8.53	8.6	-0.40	8.10	9.9
7.35	b'	7.224	7.3	2.81	10.11	8.9	8.95	9.0	-0.40	8.50	10.0
	c		7.4	2.81	10.16						
	d		7.6	2.82	10.37						
	f		7.8	2.85	10.60						
	g		8.2	2.88	11.03						
	h		8.4	2.89	11.24						
8.70	g'		8.7	2.90	11.55						
8.95	h		9.0	2.91	11.81						
9.20	k		9.3	2.94	12.09						
9.95	l		10.0	3.01	12.91						
10.10	m		10.1	3.02	13.07						

Saturday Nov. 9, 1918

Scale M

B Series 187

	B 47107				C 11				2101 + 15.1			
	Ac. 1	Ac. 2	Mean	Diff.	g	h	P.C.		g	h	P.C.	
1 a	4.2 4.0		4.1	4.15	2.66	7.2	7.2 7.20 -0.39	8.6 -				
1	4.3 4.1	4.3	4.30	2.51	7.4	7.5 7.45 -0.37	8.8 -1.99					
2	5.1 4.9	5.0	5.05	2.03	7.8	7.8 7.80 -0.72	9.0 -1.92					
3	5.5 5.3	5.5	5.50	2.17	8.0	8.2 8.10 -0.43	9.4 -1.73					
4	5.8 5.6	5.6	5.70	2.21	8.4	8.6 8.50 -0.59	9.7 -1.79					
5	5.9 5.7	5.8	5.85	2.45	8.8	8.7 8.75 -0.45	10.0 -1.70					
6	6.0 5.8	5.9	5.95	2.51	8.7	8.8 8.75 -0.29	10.1 -1.64					
7	6.1 5.9	6.0	6.05	2.78	9.2	9.3 9.25 -0.42						
8	6.3 6.1	6.3	6.30	2.73	9.4	9.5 9.45 -0.42						
10	7.0 6.8	6.9	6.95	2.50	9.9	10.0 9.95 -0.50						
12	7.3 7.1	7.2	7.25	2.60								
14	7.5 7.3	7.4	7.45	2.52								
15		7.8		2.60								
16		8.1		2.60								
17		8.2		2.82								
17a		8.4										
17b		8.3										
20		8.4 8.4	8.40	2.99								
23		9.0 9.0	9.00	2.86								
24		9.6 9.7	9.65	2.75								
25		9.7 9.8	9.75	2.82								
26		9.9 10.0	9.95	2.95								
29		10.1 10.1	10.1	3.04								
28		N.S.										

12:00

~~Alt. Cor. applied in mag.~~

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Sheet 162

Thursday Nov. 14, 1918

Scale M

B series 235

9:50

B 47612		C 10		1901 +150				P.C.	
Ac 1	Ac 2	Mean	Diff	g	h				
Sc 2	Sc 2			Sc 2	Sc 2			Sc 2	
1	3.2 3.0		6 3.84	6.4	6.5	6.45	+0.39	8.4	-1.56
2	3.6 3.4		3.81 4.01	7.0	7.2	7.10	+0.31	8.6	-1.19
3	3.8 3.6		5 3.84	7.2	7.3	7.25	+0.09	9.0	-1.66
4	4.6 4.4	4.6	4.60	7.7	7.8	7.75	+0.09	9.2	-1.36
6	5.0 4.8	4.9	4.95	8.7	8.7	8.70	-0.28 ⁰		
7	4.7 4.5	4.8	4.75	8.2	8.3	8.25	+0.04 -0.25	9.8	-1.51
8	5.8 5.6	5.7	5.75	9.0	9.1	9.05	+0.05		
9	6.0 5.8	5.9	5.95	9.8	9.8	9.80	-0.40		
10	6.3 6.1	6.3	6.30	10.0	10.0	10.00	-0.31		
11	6.9 6.7	6.9	6.90						
12	7.1 6.9	7.1	7.10						
13		7.6							
15		7.8							
16		8.4							
17	8.7	8.8	8.75						
18	9.1	9.0	9.05						
19	9.7	9.6	9.65						
20	9.8	9.8	9.80						
21	10.1	10.0	10.05						
22		N.S.							
24		N.S.							

alt. Corr. applied in mag.

Thursday Nov. 14, 58

kale m

B series 235

Copied in Bk. 45:142

		B 47614		R y Sagittarii		19.0 - 33.7		Alt. Cor. +.04		P.C.	
Mean.	Sec. 1	Sec. 2	Curv	Mag.	Sec. 2	Sec. 2	C. Mag.	Sec. 2	C		
4.25	b	4.3 4.1	4.2	3.41	7.70	7.4	7.4 7.40 + 0.10	7.54	8.8 - 1.54	7.30 10.30	
4.50	c	4.5 4.3 4.7	4.5	3.40	7.94	7.4	7.4 7.40 + 0.10	7.54	8.7 - 1.53	7.21 10.19	
4.75	d	4.5 5.3	4.8	3.38	8.17	7.6	7.6 7.60 + 0.08	7.72	9.0 - 1.57	7.47 10.53	
5.50	d'	5.5 5.3	5.5	3.33	8.87	8.1	8.2 8.15 - 0.01	8.18	9.9 - 1.65	8.29 11.51	
5.50	e	5.6 5.4	5.4	3.33	8.87	8.4	8.5 8.45 - 0.06	8.43	9.8 - 1.64	8.20 11.40	
5.95	f	6.0 5.8	5.9	3.29	9.28	8.8	8.9 8.85 - 0.13	8.76			
6.40	g	6.4 6.2	6.4	3.26	9.70	9.7	9.7 9.70 - 0.36	9.38			
6.80	h	6.8 6.6	6.8	3.22	10.06	10.0	10.0 10.00 - 0.43	9.61			
7.00	h'	7.0 6.8	7.0	3.20	10.24						
7.25	k	7.2 7.0	7.3	3.18	10.47						
	l		7.5	3.16	10.70						
	m		8.1	3.13	11.27						
8.40	n	8.4	8.4	3.12	11.56						
8.60	o	8.6	8.6	3.12	11.76						
9.20	p	9.2	9.2	3.10	12.34						
9.40	q	9.4	9.4	3.10	12.54						
9.50	r	9.9	9.9	3.10	13.04						
	s		n.s.								

Alt. Cor. applied in mag.

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Thursday Nov 14 1918.

Copied in Bk 45:161

Scale M

B Series 235

B 47615

M Capricorni

20 09 - 22.3

Alt. Cor. +.06

P.C.

Mean.		Sc.1	Sc.2	Curv.	Mag.	Sc.2	Sc.2	C. Mag.	Sc.2
5.10	a	5.1 4.9	5.1	3.37	8.53	8.6	8.6	8.60-0.09	8.57
5.60	a'	5.6 5.4	5.6	3.30	8.96	8.8	8.8	8.80-0.12	8.74
6.00	c &	6.0 5.8	6.0	3.29	9.35	9.2	9.3	9.25-0.22	9.09
6.25	b &	6.3 6.1	6.2	3.29	9.60	9.5	9.6	9.55-0.30	9.31
6.75	b' &	6.9 6.7	7.0	3.20	10.21	9.9	10.0	9.95-0.42	9.59
	d		7.9	3.14	11.10				
	e		8.1	3.13	11.29				
	f		8.7	3.12	11.88				
	h		8.8	3.12	11.98				
	g		9.2	3.10	12.36				
7.40	i	9.4	9.4	3.10	12.56				
7.50	h	9.5	9.5	3.10	12.66				
7.65	m	9.7	9.6	3.10	12.81				
7.75	n	9.8	9.7	3.10	12.91				
7.95	o	10.0	9.9	3.10	13.11				

Thursday Nov. 14, 1918

Scale M

B series 235

	B 47617		C 11		21 01 + 15.0				P.C.
	Sc. 1	Sc. 2	Mean	Diff.	g	h			Sc. 2
1	3.6 3.4 3.8			3.21	6.8	6.8	6.80	+0.01	8.5 - 1.69
2	3.6			3.28	7.0	7.0	7.00	+0.08	8.9 - 1.82
3	4.4 4.2	4.4	4.40	3.27	7.4	7.6	7.50	+0.17	9.3 - 1.63
4	4.6 4.4	4.6	4.60	3.31	7.8	7.9	7.85	+0.06	9.7 - 1.79
5	5.1 4.9	5.0	5.05	3.25	8.4	8.4	8.40	-0.10	9.8 - 1.50
6	5.1 4.9	5.1	5.10	3.36	8.7	8.7	8.70	-0.24	10.0 - 1.54
7	5.6 5.4	5.4	5.50	3.33	9.1	9.0	9.05	-0.22	
8	5.8 5.6	5.7	5.75	3.28	9.3	9.3	9.30	-0.27	
10	6.4 6.2	6.4	6.40	3.05	9.9	9.9	9.90	-0.45	
12	6.7 6.5	6.7	6.70	3.15					
14	6.9 6.7	7.0	6.95	3.02					
15	7.2 7.0	7.2	7.20	3.20					
16		7.6		3.10					
17		7.8		3.22					
20		8.2		3.19					
23	8.8	8.8	8.80	3.06					
24	9.3	9.2	9.25	3.15					
25	9.5	9.4	9.45	3.12					
26	9.9	9.9	9.90	3.00					
27	10.0	10.0	10.00	3.14					

12:00

Wednesday Nov. 20, 1918
 Tuesday Nov. 19, 1918

Observations of RY Sagitt.

10:20	AM 1470	8.7 [✓]	
	AC 3851	7.4 [✓]	
	AC 3836	N.S. [✓]	i.p.
	AM 69	N.S. [✓]	< 8.4
	AC 2655	8.5 [✓]	
	AC 2691	8.6 [✓]	pl. def
	AM 107	11.7 [✓]	
	AC 3825	7.3 [✓]	
	AC 3702	8.1 [✓]	
	AM 125	11.0 [✓]	
	AC 3601	N.S. [✓]	i. trf
	AC 2612	N.S. [✓]	def. in pl. at pr. of v
	AC 1542	N.S. [✓]	i. trf
	AC 2961	N.S. [✓]	"
	AC 1527	N.S. [✓]	< 8.8
	AM 226	9.7 [✓]	
	AM 924	10.2 [✓]	
	AC 2609	N.S. [✓]	trf
	AC 2910	7.3 [✓]	
	AM 427	N.S. [✓]	i. trf
	AM 506	7.4 [✓]	
	AM 1099	8.2 [✓]	
	AC 2847	N.S. [✓]	i. trf
	AM 827	10.6 [✓]	
	AC 2837	7.6 [✓]	
	AC 1462	8.6 [✓]	

Wednesday Nov. 20, 1918.

Observations of RY Sagitt.

am 882	11.6 [✓]	
ac 2521	11.5 [✓]	i. trap
am 1201	11.5 [✓]	< 10.4
ac 2778	8.6 [✓]	
am 949	9.6 [✓]	
am 1210	11.5 [✓]	< 11.4
ac 868	7.4	yellow
ac 1840	7.8 [✓]	
am 981	8.4 [✓]	
ac 869	11.5 [✓]	i. trap
am 1073	7.9 [✓]	
ac 2715	8.0 [✓]	
am 1001	8.2 [✓]	
am 1327	10.9 [✓]	
am 47	11.5 [✓]	
B 23697	11.8 [✓]	
B 25278	7.6 [✓]	def. plate
B 23851	11.4 [✓]	
B 25427	7.4 [✓]	
B 25507	7.2 [✓]	

11:40

Thursday Nov. 21, 1918

Observations of R y Sagitt.

9:25	B 35896	7.4 [✓]	
	B 36874	7.3 [✓]	
	B 37545	7.2 [✓]	
	B 41512	7.3 [✓]	
	B 36964	7.2 [✓]	
	B 34255	7.3 [✓]	near edge
	B 31739	7.4 [✓]	i. trailed
	B 29581	13.2 [✓]	
	B 31733	7.3 [✓]	
	B 40395	7.2 [✓]	near edge
	B 41382	6.9 [✓]	" "
	B 37297	7.2 [✓]	" "
	B 38981	7.2 [✓]	
	B 30972	7.2 [✓]	
	B 36497	7.2 [✓]	
	B 31563	N.S. [✓]	off edge
	B 33953	7.2 [✓]	
	B 39426	7.0 [✓]	
	B 31923	7.5 [✓]	
	B 33493	7.0 [✓]	near edge
	B 40406	6.9 [✓]	
	B 33449	7.0 [✓]	
	B 40409	7.1 [✓]	
	B 41463	7.3 [✓]	
	B 33499	7.2 [✓]	
	B 39513	6.9 [✓]	

Thursday Nov. 21, 1918

B 32470	7.2 [✓]	
B 36091	7.0 [✓]	
B 32589	7.4 [✓]	near edge
B 37642	7.3 [✓]	" "
B 38019	6.9 [✓]	
B 32358	7.3 [✓]	
B 40069	7.3 [✓]	near edge
B 32306	7.4 [✓]	
B 37117	7.3 [✓]	
B 39135	7.4 [✓]	
B 32320	7.2 [✓]	
B 30483	7.3 [✓]	
B 29143	7.1 [✓]	
B 35856	7.3 [✓]	near edge
B 30871	8.2 [✓]	
B 31856	7.4 [✓]	i. trailed
B 36704	7.25 [✓]	
B 37936	7.4 [✓]	i. elong.
B 31863	7.3 [✓]	i. trailed
B 28628	7.3 [✓]	
B 32129	7.4 [✓]	
B 32017	7.3 [✓]	near edge
B 37975	7.1 [✓]	
B 32161	7.35 [✓]	
B 42671	7.0 [✓]	
B 32257	7.4 [✓]	

Thursday Nov. 21, 1918

B 26146	7.4 [✓]	
B 41655	7.2 [✓]	
B 32043	7.2 [✓]	
B 26370	7.3 [✓]	
B 30109	10.2 [✓]	
B 32050	7.1 [✓]	
B 29263	N.S. [✓]	off edge
B 32407	7.3 [✓]	
B 27515	10.5 [✓]	
B 25533	7.3 [✓]	
B 32033	7.2 [✓]	
B 27629	10.6 [✓]	
B 25615	7.3 [✓]	
B 31881	7.3 [✓]	near edge
B 32031	7.2 [✓]	
B 28312	8.3 [✓]	" "
B 29457	13.4 [✓]	
B 31955	8.2 [✓]	
B 30348	8.6 [✓]	near edge
B 32042	7.4 [✓]	" "
B 44149	10.3 [✓]	
B 42566	7.0 [✓]	
B 27488	N.S. [✓]	off edge
B 42672	7.1 [✓]	
B 43747	10.0 [✓]	near edge
B 42379	7.0 [✓]	

11:00

Thursday Nov. 21, 1918

Observations of R Y Sagitt.

21.05	AM 75	N.S. ✓	off edge
	AM 1191	N.S. ✓	< 10.4
	AM 1632	8.2 ✓	
	AC 4980	7.2 ✓	
	AM 68	N.S. ✓	off edge
	AM 1390	9.1 ✓	
	AC 4955	7.3 ✓	
	AM 1010	8.3 ✓	
	AM 1364	10.6 ✓	
	AC 4914	N.S. ✓	too near edge
	AM 959	9.4 ✓	
	AC 3935	N.S. ✓	" " "
	AM 1345	10.7 ✓	
	AC 5040	7.0 ✓	near edge
	AM 1653	7.2 ✓	
	AM 1854	7.3 ✓	
	AM 1303	N.S. ✓	< 9.6
	AC 5068	6.9 ✓	
	AM 5846	6.9 ✓	
	AM 1297	N.S. ✓	< 10.7
	AC 5180	7.2 ✓	
	AM 1875	8.0 ✓	
	AM 2893	6.9 ✓	
	AM 1336	10.8 ✓	
	AC 5211	7.2 ✓	
	AM 1994	8.2 ✓	

Thursday Nov. 21, 1918.

Am 1353	10.7 [✓]	
Am 2990	7.1 [✓]	
Ac 5220	7.2 [✓]	
Am 2005	8.2 [✓]	
Am 1384	9.4 [✓]	near edge dark
Am 3050	7.1 [✓]	
Am 2050	7.2 [✓]	
Am 5335	6.8 [✓]	near edge
Am 1492	7.8 [✓]	
Am 3082	7.1 [✓]	
Am 2075	7.1 [✓]	
Ac 6431	7.2 [✓]	near edge pl. dy.
Am 3110	7.0 [✓]	i. along
Am 1523	8.8 [✓]	
Am 2199	7.2 [✓]	
Ac 6493	7.0 [✓]	near edge
Am 3124	7.0 [✓]	
Am 2309	7.4 [✓]	
Am 1524	8.4 [✓]	very near edge
Am 3129	7.0 [✓]	
Am 2532	7.3 [✓]	
Am 1594	8.3 [✓]	
Am 3406	7.4 [✓]	
Am 2652	7.1 [✓]	
Am 1631	7.4 [✓]	
Am 3436	8.0 [✓]	

3:05

Friday Nov. 22, 1918

Observations of R y Sagitt.

9:15	AM 4369	7.2 [✓]	
	AM 888	11.3 [✓]	near edge
	AM 2745	7.2 [✓]	
	AM 4331	7.3 [✓]	
	AM 875	11.5 [✓]	< 10.4 near edge
	AM 2725	7.1 [✓]	
	AM 3616	7.2 [✓]	
	AM 868	11.3 [✓]	very near edge
	AM 2762	7.0 [✓]	
	AM 4321	7.2 [✓]	
	AM 3552	7.1 [✓]	
	AM 835	10.4 [✓]	
	AM 2661	7.3 [✓]	
	AM 4274	7.4 [✓]	
	AM 3524	8.0 [✓]	
	AM 685	7.5 [✓]	
	AM 4169	10.6 [✓]	
	AM 2653	7.2 [✓]	
	AM 3567	7.8 [✓]	
	AM 2533	7.4 [✓]	
	AM 3922	7.2 [✓]	
	AM 3488	7.4 [✓]	
	AM 2335	7.1 [✓]	
	AM 3859	7.1 [✓]	
	AM 2052	7.2 [✓]	
	AM 2200	7.2 [✓]	

Friday Nov. 22, 1918

Am 3773 [?]	7.1 [✓]	
Am 1993	8.2 [✓]	
Am 2184	7.2 [✓]	
Am 3732	7.1 [✓]	
Am 1887	8.0 [✓]	
Am 2143	7.8 [✓]	
Am 3695	7.2 [✓]	multiple i. - doubtful
Am 1874	7.4 [✓]	
Am 2142	7.4 [✓]	
Am 3672	7.6 [✓]	"
Am 2724	7.0 [✓]	
Am 2072	7.1 [✓]	
Am 3641	7.2 [✓]	
Am 4767	7.1 [✓]	
Am 4660	7.2 [✓]	
Am 5048	7.3 [✓]	
Am 3128	7.1 [✓]	
Am 4613	7.2 [✓]	
Am 5041	7.3 [✓]	
Am 3099	7.0 [✓]	
Am 4523	7.2 [✓]	
Am 4998	7.1 [✓]	Multiple i.
Am 3681	7.0 [✓]	
Am 4540	7.8 [✓]	
Am 3647	7.2 [✓]	
Am 4972	7.2 [✓]	

Friday. Nov. 22, 1918

AM 2989	7.1 [✓]
AM 4480	8.2 [✓]
AM 3631	7.2 [✓]
AM 4890	6.9 [✓]
AM 2856	7.0 [✓]
AM 4457	7.2 [✓]
AM 3557	7.1 [✓]
AM 4862	7.2 [✓]
AM 2827	7.0 [✓]
AM 4408	7.6 [✓]
AM 3555	7.8 [✓]
AM 4774	7.1 [✓]

Multiple Image.

10:15

Friday Nov. 22, 1918

21.05	B 47002	N.S.✓	<11.4
	B 45399	7.6✓	
	B 47330	N.S.✓	<13.1
	B 44274	10.4✓	
	B 48175	N.S.✓	<11.9
	B 45006	7.9✓	
	B 48444	11.9✓	
	B 43698	10.6✓	
	B 48197	11.9✓	
	B 48491	N.S.✓	<10.7
	B 45024	7.6✓	
	B 48187	N.S.✓	<11.9
	B 45607	7.6✓	
	B 47102	N.S.✓	<13.1
	B 44127	9.8✓	
	B 45624	7.3✓	
	B 48058	N.S.✓	<11.9
	B 45014	8.4✓	
	B 45657	7.3✓	
	B 44547	8.5✓	
	B 45677	7.4✓	def. fl.
	B 44126	10.0✓	
	B 47638	N.S.✓	<10.7
	B 44530	8.4✓	
	B 45582	7.2✓	
	B 47537	13.2✓	

Friday Nov. 22, 1918.

B 43448	7.0 [✓]	
B 45876	6.9 [✓]	near edge
B 43450	6.8 [✓]	
B 46874	N.S. [✓]	< 12.7
B 43974	10.7 [✓]	
B 44900	8.4 [✓]	
B 47637	13.2 [✓]	
B 45877	7.0 [✓]	
B 44978	9.0 [✓]	
B 47614	13.1 [✓]	
B 44999	8.2 [✓]	i.
B 46968	N.S. [✓]	< 12.7
B 42742	7.2 [✓]	
B 48054	12.7 [✓]	
B 43775	10.4 [✓]	
B 47099	N.S. [✓]	< 11.4
B 44728	8.4 [✓]	very near edge
B 47714	N.S. [✓]	< 10.4
B 47760	11.9 [✓]	
B 43772	N.S. [✓]	very near edge
B 50182	N.S. [✓]	< 12.5
B 42562	N.S. [✓]	off edge
B 51017	N.S. [✓]	< 11.2
B 42563	7.0 [✓]	
B 51092	N.S. [✓]	< 10.4
B 51152	N.S. [✓]	< 10.7

B. 20

Saturday Nov. 23, 1918

Observations of RY Sagittarii

9:15	Am 5386	6.9✓	
	Am 3953	7.1✓	
	Am 5148	7.2✓	
	Am 4601	7.4✓	
	Am 3891	7.0✓	
	Am 6049	7.2✓	
	Am 3764	7.1✓	
	Am 6977	7.1✓	
	Am 4555	N.S.✓	region not covered
	Am 6027	7.2✓	
	Am 3742-3743	7.0✓	
	Am 5409	7.2✓	
	Am 5208	7.2✓	
	Am 6947	7.1✓	
	Am 4514	8.3✓	
	Am 5843	7.1✓	
	Am 3711	7.0✓	
	Am 6643	7.0✓	
	Am 4506	N.S.✓	pl. drops
	Am 7286	7.3✓	
	Am 5750	7.0✓	
	Am 3677	7.0✓	
	Am 6625	7.1✓	
	Am 4498	8.3✓	
	Am 7266	7.3✓	
	Am 6098	7.2✓	

Saturday Nov. 23, 1918

Am 5718	7.2 [✓]
Am 6576	7.2 [✓]
Am 4473	8.0 [✓]
Am 7227	7.1 [✓]
Am 6288	7.2 [✓]
Am 5617	6.9 [✓]
Am 6449	7.2 [✓]
Am 4410	7.4 [✓]
Am 7184	7.3 [✓]
Am 6230	7.0 [✓]
Am 5673	7.2 [✓]
Am 6434	7.3 [✓]
Am 4365	7.2 [✓]
Am 6501	7.0 [✓]
Am 7171	7.3 [✓]
Am 5610	7.0 [✓]
Am 6404	7.0 [✓]
Am 4325	7.2 [✓]
Am 7108	6.9 [✓]
Am 6161	7.2 [✓]
Am 5602	6.8 [✓]
Am 4296	7.4 [✓]
Am 6354	6.8 [✓]
Am 4160	7.4 [✓]
Am 7085	6.9 [✓]
Am 5593	6.9

Saturday Nov. 23, 1918

AM 7009	7.2 [✓]	
AM 4176	10.6 [✓]	
AM 6113	6.8 [✓]	
AM 5553	7.3 [✓]	
AM 7886	6.9 [✓]	
AM 5537	7.4 [✓]	
AM 7850	7.2 [✓]	
AM 8615	7.1 [✓]	from split in pl. edge
AM 5452	6.9 [✓]	
AM 7835	7.2 [✓]	light of moon
AM 5586	7.1 [✓]	
AC 8557	n.s. [✓]	off edge
AM 6360	6.9 [✓]	
AM 7802	6.9 [✓]	
AM 7741	6.9 [✓]	
AC 8500	n.s. [✓]	off edge
AM 6403	7.0 [✓]	
AM 7709	n.s. [✓]	ft. near edge
AC 7905	7.2 [✓]	
AC 8885	n.s. [✓]	from pl.
AM 7677	7.2 [✓]	
AM 6471	7.2 [✓]	
AM 5837	7.1 [✓]	
AM 7647	n.s. [✓]	does not cover region
AC 7801	7.2 [✓]	
AM 6462	7.1 [✓]	

Saturday Nov. 23, 1918

AM 7640	7.0 [✓]	
AM 5773	7.2 [✓]	
A M ^C 8847	11.5 [✓]	too near edge
AM 7582	7.2 [✓]	
AM 6271	7.0 [✓]	
AM 5725	7.2 [✓]	
AC 7738	8.2 [✓]	very near edge
AC 8512	6.8 [✓]	" " "
AC 7726	11.5 [✓]	too pl.
AM 6252	7.0 [✓]	
AC 8805	6.9 [✓]	very near edge
AM 5714	7.2 [✓]	
AM 7569	7.2 [✓]	
AC 7681	11.5 [✓]	thin near edge of pl
AM 6208	7.1 [✓]	
AM 5709	7.2 [✓]	
AC 6835	7.2 [✓]	near edge
AC 8721	7.0 [✓]	" "
AM 6174	7.2 [✓]	
AM 7537	7.2 [✓]	
AM 5650	7.0 [✓]	
AC 6699	7.0 [✓]	
AM 6131	7.1 [✓]	
AM 8707	7.1 [✓]	
AC 6643	7.3 [✓]	very near edge
AM 5627	7.2 [✓]	

10:40

Saturday Nov. 23, 1918.

2:30	AC 9697	7.0 ✓	"
	AC 14279	N.S. ✓	too near edge
	AC 14271	9.8 ✓	near edge
	AC 14149	N.S. ✓	9.6 " "
	AM 7015	N.S. ✓	off edge
	AC 14120	N.S. ✓	< 9.4 near edge
	AC 9608	N.S. ✓	too ft. i. near edge
	AC 11710	N.S. ✓	" " " "
	AC 9589	N.S. ✓	off edge
	AC 14115	N.S. ✓	" "
	AC 14093	10.0 ✓	
	AM 5033	N.S. ✓	prosp.
	AC 14076	N.S. ✓	< 8.8 near edge
	AC 14058	9.5 ✓	
	AC 13370	N.S. ✓	plate in dec.
	AC 13322	N.S. ✓	off edge
	AM 7292	9.4 ✓	
	AC 13231	N.S. ✓	off edge
	AC 10693	N.S. ✓	i. half way edge
	AC 13170	N.S. ✓	off edge
	AC 9792	N.S. ✓	pl. poss
	AC 14459	N.S. ✓	pos. near edge
3:05	66 plates observed besides those estimated		

Monday Nov. 25, 1918.

Observations of R Y Sagittarii

9:00	A 9343 ✓	7.0	
	A 9058 ✓	7.2	
	A 8488	N.S.	Hedge
	A 9342 ✓	N.S.	" "
	A 8898 ✓	7.2	
	A 9052 ✓	N.S.	Hedge
	A 10750 ✓	N.S.	" "
	A 8808 ✓	N.S.	" "
	A 8900 ✓	6.9	
	A 9854 ✓	N.S.	" "
	A 8486 ✓	N.S.	" "
	A 8535 ✓	7.3	
	A 9493 ✓	7.2	
	A 9454 ✓	7.3	

9:30

Sheet No. 437

Monday Nov. 25, 1918

Scale m

MC Series 839

MC 13540		Pole											
2:10		MC 13546 p.155.		g h		MC 13546 p.155		Mean.		P.C		MC 13546 p.155	
Sec. 1	Sec. 2	Mean	Mean Diff.	Sec 1	Sec 2					Sec 1	Sec 2	Mean	Diff.
1 13		1.4											
2 1.2													
3 1.0		1.4											
4 1.4		1.4											
5 1.2		2.2	1.40 5.09	5.0	5.1	5.05	5.40	5.22	6.3	6.7	6.50	-0.01	
6 2.0													
7 1.8		2.1	2.05 5.06	5.9	6.0	5.95	6.00	5.98	7.3	7.5	7.40	-0.29	
8 30													
9 28		3.2	3.10 5.13	7.8	7.7	7.75	7.80	7.78	8.7	9.1	8.90	-0.67	
10 34													
11 3.2		3.8	3.60 5.23	8.4	8.4	8.40	8.45	8.42	9.9	9.9	9.90	-1.07	
12 3.7													
13 3.5		3.9	3.80 5.22	8.9	8.9	8.90	8.60	8.75	8.8	10.0	10.0	-0.98	
14 4.3													
15 4.1		4.3	4.30 5.00 4.65 4.90	9.2	9.2	9.20	9.25	9.22	9				
16 4.9													
17 4.7		4.8	4.85 5.20 5.02 4.84	9.8	9.7	9.75	9.60	9.68					
18 5.6													
19 5.4		5.5	5.55 5.60 5.58 4.72	10.0	10.0	10.00	10.00	10.00					
20 5.9													
21 5.7		5.9	5.90 6.20 6.05 4.60										
22 6.4													
23 6.2		6.4	6.40 6.80 6.60 4.48										
24 7.0													
25 6.8		7.0	7.00 7.00 7.00 4.40										
26 7.3													
27 7.1		7.3	7.30 7.20 7.25 4.38										
28													
29	8.0	8.0	8.00 7.80 7.90 4.16										
30													
31	8.4	8.4	8.40 8.25 8.32 4.10										
32													
33	8.8	8.9	8.85 8.60 8.72 4.01										
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alt. corr. applied in mag.

Monday Nov. 25, 1918

Scale M

MC series 839

Card

MC 13541

R 3 Cephei $22^{\circ}40' + 65^{\circ} + .19$

g h

P.C. -

	Sc. 1	Sc. 2	Mean Curr. Mag.	Sc. 2	Sc. 2	C.	Mag.	Sc. 2 C. Mag.
a	3.1 2.9		5.13 8.42	7.6	7.6	7.60	.58 8.37	8.8 - .70 8.29
b	3.4 3.2		5.12 8.71	8.1	8.2	8.15	.45 8.77	9.1 - .80 8.49
c	3.9 3.7		5.07 9.16	8.6	8.6	8.60	.36 9.15	9.9 - 1.02 <u>9.07</u>
d	4.6 4.4	4.6	4.60 4.96 9.75	9.1	9.1	9.10	.28 9.57	
e	4.8 4.6	4.8	4.80 4.92 9.91	9.3	9.4	9.35	.25 9.79	
f	5.9 5.7	5.8	5.85 4.67 10.67					
g	6.3 6.1	6.3	6.30 4.56 11.05					
h	7.0 6.8	7.0	7.00 4.40 11.57					
k		7.6	4.27 12.06					
l		8.1	8.05 4.16 12.40					
m		8.9	8.95 4.06 13.20					
n		9.2	9.20 4.05 13.44					
o		9.9	9.90 4.08 <u>14.17</u>					
p		10.0	10.00 4.07 <u>14.28</u>					
q		10.1						
r		"						

Monday Nov. 25, 1918

Seah m

MC series 839

MC 13546		Pole					
1				g	h	From mag. on p. 83.	P.C.
to. 1		sc. 2		sc. 2	sc. 2	Diff.	sc. 2.
5	1.4			5.4	5.4	5.40	1.27
	1.2						
6	2.1			6.0	6.0	6.00	1.13
	1.9						
8	3.2			7.8	7.8	7.80	.45
	3.0						
9	3.8			8.4	8.5	8.45	.41
	3.6						
10	3.9			8.6	8.6	8.60	.27
	3.7						
11	5.0	5.0	5.00	9.3	9.2	9.25	.33
	4.8						
12	5.2	5.2	5.20	9.6	9.6	9.60	.18
	5.0						
13	5.6	5.6	5.60	10.1	10.0	10.00	.30
	5.4						
14	6.2	6.2	6.20				
	6.0						
15	6.8	6.8	6.80				
	6.6						
16	7.0	7.0	7.00				
	6.8						
17	7.2	7.2	7.20				
	7.0						
18	7.8	7.8	7.80				
19	8.2	8.3	8.25				
20	8.6	8.6	8.60				
23	9.4	9.3	9.35				
25	9.9	9.8	9.85				
26	N.S.	7.7					
		7.7					
27	N.S.	10.1					
		10.1					
28	N.S.						

Defects

mistakenly

3:40

Friday Dec. 6, 1918.

Observations of R Y Sagitt.

B 31859	7.2
B 30364	7.2 8.8
B 31810	7.3
B 47004	N.S. < 13.1
B 25398	7.4
ae 858	8.0
AM 13418	N.S. < 10.7
AM 9836	8.6
AM 10116	8.2
AM 919	8.2 d.
AM 10134	8.2
AM 10011	8.3
AM 2140	7.4
AM 9957	8.2
AM 13429	N.S. < 10.4
AM 13688	10.6
AM 11944	N.S. < 11.2
AM 13405	N.S. < 10.4
AM 11888	N.S. < 10.4
AM 13423	N.S. < 10.7
AM 11903	N.S. < 10.4
AM 10043	7.0
AM 10018	8.4

Monday Nov. 25, 1918

Observations of RY Sagitt.

11:35	am 11886	N.S. ✓	< 10.4
	am 11817	N.S. ✓	< 10.1
	am 12299	N.S. ✓	< 11.4
	am 11690	N.S. ✓	< 11.4
	am 8407	N.S. ✓	not located
	am 12383	N.S. ✓	< 10.4
	am 12653	N.S. ✓	< 10.7
	am 8975	10.3 ✓	
	am 9456	N.S. ✓	< 10.0
	am 9929	8.4 ✓	
	am 10049	8.9 ✓	
	am 11833	N.S. ✓	< 10.0
	am 11849	N.S. ✓	< 9.4
	am 12065	N.S. ✓	< 10.7
	am 12107	N.S. ✓	< 11.9
	am 11917	N.S. ✓	< 11.2
	am 12128	11.9 ✓	
	am 11958	N.S. ✓	< 10.7
	am 12144	N.S. ✓	< 11.4
	am 11862	N.S. ✓	< 11.9

12:20

31 plates of meridian heights.

12:25

am 12746	N.S. ✓	< 11.9
am 13401	11.2 ✓	
am 12768	N.S. ✓	< 12.9
am 13411	N.S. ✓	< 11.4
am 12885	N.S. ✓	< 10.7

12:30

am 13418	N.S. ✓	< 11.2
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Sheet no. 437

Tuesday Nov. 26, 1918

Scale m

MC Series 895

7:10

MC 14383		Pole									
Se. 1	Se. 2	Copied from p. 100 Mean Diff.	g	h	Copied from p. 100 Mean Diff.	P.C.	Copied from p. 100 Mean Diff.	Se. 2	P. 100	Mean Diff.	
5 B			4.8	4.7	4.75 4.60 4.68 1.81	5.3	5.8	5.80		+1.69	
1.2		5.91									
6 1.0		1.2 1.20 5.29	5.6	5.6	5.60 5.45 5.52 1.59	6.8	6.4	6.60		.51	
2.5		5.68									
8 2.3		2.6 2.55 4.56	6.7	6.8	6.75 6.35 6.55 1.68	8.0	7.8	7.90		.33	
3.1		5.73									
9 2.9		3.1 3.10 5.13	7.4	7.4	7.40 7.40 7.40 1.43	8.7	8.5	8.60		.23	
3.0		5.87									
10 2.8		3.3 3.15 5.68	7.8	7.8	7.80 7.80 7.80 1.22	9.0	8.8	8.90		.12	
3.7											
11 3.5		4.0 3.85 5.70	8.4	8.3	8.35 8.30 8.32 1.23	9.6	9.4	9.50		.05	
4.2											
12 4.0	4.2	4.20 4.35 4.28 5.58	8.6	8.6	8.60 8.65 8.58 1.28	9.9	9.8	9.85		.01	
4.6											
13 4.4	4.6	4.60 4.75 4.78 5.52	8.8	8.8	8.80 8.70 8.75 1.55	10.0				.30	
5.4											
14 5.2	5.4	5.40 5.20 5.30 5.35	9.2	9.2	9.20 9.15 9.18 1.47						
6.0											
15 5.8	5.9	5.95 5.95 5.95 5.13	9.8	9.8	9.80 9.40 9.60 1.48						
6.3											
16 6.1	6.2	6.25 6.15 6.20 5.20	10.0	9.9	9.95 9.80 9.88 1.52						
6.6											
17 6.4	6.5	6.55 6.40 6.48 5.15	10.0	10.0	10.00 10.00 10.00 1.63						
7.0											
18 6.8	7.0	7.00 7.00 7.00 5.06									
19	7.4	7.6 7.50 4.92									
20	7.8	7.8 7.80 4.93									
23	8.3	8.4 8.35 8.15 8.25 5.09									
25	8.9	8.9 8.90 8.80 8.85 5.02									
26	9.2	9.2 9.20 9.00 9.10 5.23									
27	9.6	9.6 9.60 9.60 9.60 5.09									
28	9.9	9.8 9.85 9.90 9.88 5.23									

alt. Corr. applied in mag.

159

Tuesday Nov. 26, 1918

Scale m

MC Series 895

Cand.

MC 14385		R 3 Cephei		+19		P.C.	
be.1	be.2	Cur. mag.	be.2	be.2	Cur. mag.	be.2	C. Mag.
2.4			6.6				
a 2.2		5.82	8.39	7.7	6.7	6.65	1.50 8.32 7.9 +.44 8.51
2.6							
b 2.4		5.80	8.57	7.0	7.1	7.05	1.47 8.69 8.4 .24 8.81
3.2							
c 3.0		5.75	9.12	7.4	7.5	7.45	1.42 9.04 8.7 .19 9.06
3.8							
d 3.6		5.67	9.64	8.1	8.1	8.10	1.37 9.64 9.2 .13 9.50
4.1							
e 3.9		5.61	9.88	8.6	8.6	8.60	1.38 10.15 9.8 .07 10.04
5.0							
f 4.8	5.0	5.00	5.40	10.57	8.8	8.8	8.80 1.39 10.36
5.9							
g 5.7	5.8	5.85	5.21	11.23	9.8	9.7	9.75 1.50 11.42
6.1							
h 5.9	6.0	6.05	5.18	11.40	9.9	9.9	9.90 1.51 11.58
6.9							
k 6.7	6.9	6.90	5.02	12.09			
7.2							
l 7.0	7.2	7.20	5.00	12.37			
m							
	7.9	7.9	4.99	13.06			
n							
	8.2	8.2	8.20	5.00	13.37		
o							
	8.6	8.6	8.60	5.04	13.81		
p							
	8.8	8.9	8.85	5.07	14.09		
q							
	9.3	9.2	9.25	5.13	14.55		
r							
	9.7	9.8	9.75	5.21	15.13		

Tuesday Nov. 26, 1918

Scale m

MC Series 895

MC 14388		Pole		g h		P.C.
Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 1	Sc. 2	Sc. 2
5 B				4.6	4.6 4.60	5.8
1.2						
6 1.0				5.4	5.5 5.45	6.4
2.6						
8 2.4				6.3	6.4 6.35	7.8
3.1						
9 2.9				7.4	7.4 7.40	8.5
3.3						
10 3.1				7.8	7.8 7.80	8.8
4.0						
11 3.8				8.3	8.3 8.30	9.4
4.3						
12 4.1	4.4 4.35			8.5	8.6 8.55	9.8
5.0						
13 4.8	4.9 4.95			8.7	8.7 8.70	10.0
5.2						
14 5.0	5.2 5.20			9.1	9.2 9.15	
6.0						
15 5.8	5.9 5.95			9.4	9.4 9.40	
6.2						
16 6.0	6.1 6.15			9.8	9.8 9.80	
6.4						
17 6.2	6.4 6.40			10.0	10.0 10.00	
7.0						
18 6.8	7.0 7.00					
19	7.6					
20	7.8					
23	8.2 8.1 8.15					
25	8.8 8.8 8.80					
26	9.0 9.0 9.00					
27	9.6 9.6 9.60					
28	9.9 9.9 9.90					

10:35

Tuesday Nov. 26, 1918

Observations of R y Sagittarii

10.45	AM 4539	8.2 [✓]	
	AM 4858	n.s.	off edge
	AM 15	n.s. [✓]	" "
	AM 137	10.6 [✓]	
	AM 2129	8.0 [✓]	
	AM 154	10.6 [✓]	
	AM 461	8.0 [✓]	
	AM 538	7.4	
	AM 802	10.4 [✓]	
	AM 808	10.6 [✓]	
	AM 2746	n.s. [✓]	off edge
	AM 1252	n.s. [✓]	< 11.9
	AM 854	✓	not distinguished
	AM 817	10.4 [✓]	
	AM 850	✓	not found
	AM 907	11.2 [✓]	
	AM 1028	9.0 [✓]	
	AM 1043	9.2 [✓]	
	AM 1414	9.0 [✓]	
	AM 3392	8.0 [✓]	
	AM 1236	n.s. [✓]	< 11.4
	AM 1442	8.8 [✓]	
	AM 3496	7.8 [✓]	
	AM 1278	11.6 [✓]	
	AM 1428	8.3 [✓]	
	AM 1437	8.9 [✓]	

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Am 3673 8.4[✓]Am 13634 10.0[✓]Am 4205 8.9[✓]Am 12893 N.S.[✓] < 11.2Am 13435 N.S.[✓] < 10.7Am 13441 N.S.[✓] < 11.9

11:25 49 plates of normal brightness.

1:55 Am 9889 8.4[✓]Am 12002 13.1[✓]Am 9891 8.6[✓]Am 12064 N.S.[✓] < 12.5Am 8064[✓] out in l.a.Am 8122 N.S.[✓] out of regionAm 9937 8.4[✓]Am 9938 8.4[✓]Am 12127 N.S.[✓] < 12.7Am 9943 8.3[✓]Am 9947 8.3[✓]Am 12208 N.S.[✓] < 11.9Am 9977 8.2[✓]Am 12216 N.S.[✓] < 12.7Am 9983 8.2[✓]Am 10032 8.4[✓]Am 12235 N.S.[✓] < 11.4Am 10038 8.8[✓]Am 10085 8.4[✓]

Am 10285 N.S. wrong region

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AM 12287	N.S. ✓ < 11.4
AM 10088	8.2 ✓
AM 10093	7.6 ✓
AM 8565	N.S. wrong region
AM 12298	N.S. ✓ < 11.9
AM 10632	N.S. wrong region
AM 8578	✓ " "
AM 12338	N.S. ✓ < 13.1
AM 10146	7.8 ✓
AM 10098	7.6 ✓
AM 8851	6.3 ✓
AM 8883	10.0 ✓
AM 10669	N.S. wrong region
AM 10257	8.1 ✓
AM 10623	N.S. wrong region

2150 70 plates of normal brightness.

Wednesday Nov. 27, 1918

Observations of R y Sagittarii

8:55	AM 11084	7.6✓
	AM 11689	N.S.✓ < 12.5
	AM 12363	13.1✓
	AM 11775	N.S.✓ < 11.9
	AM 8903	10.7✓
	AM 12386	N.S.✓ < 12.7
	AM 11916	N.S.✓ < 11.4
	AM 8937	10.2✓
	AM 12508	N.S.✓ < 10.4
	AM 11985	fr images
	AM 11956	N.S.✓ < 13.4
	AM 8944	10.0✓
	AM 8997	9.9✓
	AM 12535	N.S.✓ < 10.7
	AM 13410	N.S.✓ < 10.7
	AM 9012	9.8✓
	AM 12600	N.S.✓ < 11.4
	AM 9068	10.4✓ - poor film
	AM 13141	N.S.✓ < 10.7
	AM 12637	N.S.✓ < 11.9
	AM 9090	10.5✓
	AM 13417	N.S.✓ < 11.4
	AM 12674	N.S.✓ < 11.9
	AM 11785	N.S.✓ < 10.7
	AM 9131	9.8✓
	AM 9386	10.5✓

Wednesday Nov. 27, 1918

am 9146	9.6 [✓]
am 9860	7.4 [✓]
am 9237	10.4 [✓]
am 9392	10.4 [✓]
am 9153	9.8 [✓]
am 9455	10.5 [✓]
am 9203	10.5 [✓]
am 11829	n.s. < 11.8
am 9197	10.3 [✓]
am 9541	10.7 [✓]
am 9267	10.9
am 9304	10.6 [✓]
am 9336	10.4 [✓]

9:45 7 plates of normal brightness.

9:55 am 23	11.9 [✓]
am 138	10.6 [✓]
am 7078	n.s. Hedge
am 482	7.6 [✓]
am 34	11.0 [✓]
am 3497	8.0 [✓]
am 174	n.s. < 10.7
am 298	9.0 [✓]
am 463	7.8 [✓]
am 796	9.8 [✓]
am 3683	7.6 [✓] Multiple
am 615	7.4 [✓]

10:15 32^{plates} normal brightness.

Sheet no. 438

Wednesday Nov. 27, 1918

Scale m

Mc Series 806

m c 13062		Pole		g h		P.C.	
		copied from p. 169		copied from p. 169		from p. 169	
2105	Sc. 1	Sc. 2	Mean Diff.	Sc. 2	Sc. 2	Mean Diff.	Sc. 2
	1.2						
5	1.0		1.4 1.30 5.19	5.2	5.3	5.25 5.40 5.32 1.17	6.4 6.8 6.60 - .11
	1.8						
6	1.6		2.0 1.90 5.21	6.0	6.0	6.00 6.25 6.12 .99	7.2 7.5 7.35 - .24
	3.1						
8	2.9		3.4 3.25 4.98	7.6	7.6	7.60 7.75 7.68 .58	8.7 8.6 8.65 - .42
	3.9						
9	3.7		3.9 3.90 4.93	8.4	8.4	8.40 8.45 8.42 .41	9.4 9.5 9.45 - .38
	4.2						
10	4.0	4.0	4.10 4.1 4.10 4.92	8.6	8.6	8.60 8.65 8.62 .40	9.8 - .72
	5.0						
11	4.8	5.0	5.00 5.00 5.00 4.55	8.8	8.8	8.80 8.90 8.85 .70	
	5.2						
12	5.0	5.2	5.20 5.45 5.32 4.54	9.1	9.2	9.15 9.60 9.38 .48	
	5.8						
13	5.8	5.8	5.80 5.95 5.88 4.42	9.8	9.8	9.80 9.85 9.82 .48	
	6.4						
14	6.2	6.3	6.35 6.40 6.38 4.27				
	7.0						
15	6.8	6.7	6.95 6.85 6.90 4.18				
	7.2						
16	7.0	7.2	7.20 7.15 7.18 4.22				
	7.4						
17	7.2	7.4	7.40 7.4 7.40 4.23				
18	8.0	7.9	7.95 8.10 8.03 4.02				
19	8	8.4	8.4 8.40 8.40 8.40 4.02				
20	8.6	8.6	8.60 8.75 8.68 4.05				
23	9.3	9.4	9.35 9.35 9.35 3.99				
25	9.8	9.8	9.80 9.95 9.88 3.99				
26		11.5					
27		"					
28		"					

alt. corr. applied in mag.

Wednesday Nov. 27, 1918

Scale m

Mc Series 806

Cand

Mc 13063		SS Cygni		Alt. Cor. #22				P.C	
Sc. 1	Sc. 2	from curr. diff	Mag.	Sc. 1	Sc. 2	Curve	Mag.	Sc. 2	Curve. Mag.
A 1.5									
1.3		5.21	6.73	5.2	5.3	5.25	1.15	6.62	6.6 -.12 6.70
B 2.1									
1.9		5.17	7.47	6.9	6.8	6.85	.77	7.84	7.8 -.29 7.73
C 3.4									
3.2		5.00	8.62	7.7	7.7	7.70	.60	8.52	9.0 -.47 8.75
d 3.9									
3.7		4.90	9.02	8.5	8.6	8.55	.48	9.25	9.4 -.52 9.10
e 4.0									
3.8		4.88	9.10	8.6	8.6	8.60	.48	9.30	9.5 -.54 9.18
f 4.2									
4.0	4.2	4.20	4.83	9.25	8.8	8.8	8.80	.47	9.49
g 5.1									
4.9	5.1	5.10	4.60	7.92	9.2	9.2	9.20	.46	9.88
h 5.6									
5.4	5.7	5.65	4.47	10.34	9.7	9.7	9.70	.46	10.38
i 5.9									
5.7	5.8	5.85	4.41	10.48	9.9	9.9	9.90	.47	10.59
j 6.8									
6.6	6.8	6.80	4.23	11.25					
k 7.0									
6.8	7.0	7.00	4.19	11.41					
l 7.4									
7.4	7.4	4.13	11.75						
m 7.8									
7.8	7.8	7.80	4.09	12.11					
n 8.4									
8.4	8.3	8.35	4.04	12.61					
o 8.7									
8.7	8.8	8.75	4.01	12.98					
p 9.2									
9.2	9.2	9.20	4.00	13.42					
q 10.0									
10.0	10.0	10.00	4.00	<u>14.22</u>					

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alt. Cor. applied in mag.

Wednesday Nov. 27, 1918

Scale M

MC Series 806

Card

MC 13066		RZ Cephei		alt. Cor.		g h		P.C.	
Se. 1	Se. 2	Ann	Mag.	Se. 2	Se. 2	Ann.	Mag.	Se. 2	C. Mag.
3.1									
2.9		5.05	8.34	7.6	7.6	7.60	+ .61	8.40	8.6 - .41 8.38
3.4									
3.2		5.00	8.59	8.2	8.2	8.20	.51	8.90	8.9 - .46 8.63
3.8									
3.6		4.93	8.92	8.7	8.7	8.70	.47	9.36	9.5 - .54 9.15
4.8									
4.6		4.8	4.80	4.68	7.67	9.2	9.3	9.25	.46 9.90
5.1									
4.9		5.1	5.10	4.60	9.89	9.6	9.5	9.55	.46 10.20
4.7									
6.2		6.2	6.20	4.36	10.75	9.9	9.9	9.90	.47 10.56
6.2									
6.6		6.6	6.60	4.29	11.08				
6.4									
7.0		7.0	7.00	4.19	11.38				
6.8									
7.8		7.8	7.80	4.09	12.08				
8.0									
8.1		8.1	8.05	4.05	12.29				
8.8		8.8	8.80	4.01	13.00				
9.2		9.2	9.20	4.00	13.39				
9.8		9.8	9.80	3.99	13.78				
10.0		10.0	10.00	4.00	14.19				
11.5									

5130

alt

Wednesday Nov. 27, 1918

Scale m

MC Series 806

MC 13068		Pole	+			PC
Sc. 1 Sc. 2			g	h		PC
			Sc. 2	Sc. 2		Sc. 2
5	1.4 1.2		5.4	5.4	5.40	6.8
6	2.0 1.8		6.2	6.3	6.25	7.5
8	3.4 3.2		7.8 8.4	7.7	7.75	8.6
9	3.9 3.7		8.4	8.5	8.45	9.5
10	4.1 3.9		8.6	8.7	8.65	9.8
11	5.0 4.8	5.0 5.00	8.9	8.9	8.90	
12	5.5 5.3	5.4 5.45	9.6	9.6	9.60	
13	6.0 5.8	5.9 5.95	9.9	9.8	9.85	
14	6.4 6.2	6.4 6.40				
15	6.9 6.7	6.8 6.85				
16	7.1 6.9	7.2 7.15				
17		7.4				
18	8.1	8.1 8.10				
19	8.4	8.4 8.40				
20	8.8	8.7 8.75				
23	9.4	9.3 9.35				
25	10.0	9.9 9.95				
26		N.S.				
27		"				
28		"				

3130

Friday Nov. 29, 1918

Observations of RY Sagittarii

9:10	AM 4465	7.8 ✓
	AM 4529	8.2 ✓
	AM 669	8.0 ✓
	AM 5822	6.6 ✓
	AM 5831	6.7 ✓
	AM 675	N.S. - wrong region
	AM 7086	6.8 ✓
	AM 819	10.5 ✓
	AM 994	8.2 ✓
	AM 1029	8.8 ✓
	AM 1044	9.2 ✓
	AM 7592	N.S. from peak
	AM 1438	8.7 ✓
	AM 1244	N.S. < 11.2
	AC 7600	7.4
	AC 2714	8.0
	AM 1415	9.1 ✓
	AM 1536	7.6 ✓
	AM 1256	N.S. < 11.4
	AM 1541	7.4 ✓
	AM 1529	7.6 ✓
	AM 1262	13.0 ✓
	AM 4276	8.1 ✓
	AM 2111	8.0 ✓
	AM 2122	7.4 ✓
	AM 2271	7.4 ✓

Friday
~~Wednesday~~ Nov. 29, 1918

AM 2275 7.8 ✓

AM 1272 11.4 ✓

AM 2290 8.0 ✓

AM 4197 9.5 ✓

AC 2737 7.6

AM 4217 7.8 ✓

10:00. 57 Plates of normal brightness

10:35 AM 8174 6.5 ✓ out of focus

AM 8265 6.7 ✓

AM 9937 8.4 ✓

AM 9952 8.3 ✓

AM 10518 n.s. in focus

AM 10001 8.3 ✓

AM 10044 9.0 ✓

AM 10103 8.0 ✓

AM 7710 n.s. ✓ poor pl.

AM 10181 7.4 ✓

AM 10237 8.2 ✓

AM 10081 8.5 ✓

AM 10086 8.4 ✓

AM 7907 6.6 ✓

AM 12108 n.s. ✓ < 11.4

AM 12129 11.2 ✓

AM 12145 n.s. ✓ < 10.7

11:00 12 plates of normal brightness

Friday Nov. 29, 1918

Observations of γ Sagittarii

2115	AM 11113	7.6 \checkmark
	AM 11157	7.6 \checkmark
	AM 12485	N.S. \checkmark < 11.2
	AM 12894	N.S. \checkmark < 11.2
	AM 11086	7.6 \checkmark
	AM 12921	N.S. \checkmark < 10.7
	AM 11260	6.7 \checkmark
	AM 11096	2.6 \checkmark
	AM 12769	N.S. \checkmark < 10.4
	AM 9304	10.5 \checkmark
	AM 9239	10.6 \checkmark
	AM 11270	6.7 \checkmark
	AM 9466	10.4 \checkmark
	AM 9293	10.7 \checkmark
	AM 9543	N.S. \checkmark < 10.4
	AM 9329	10.4 \checkmark
	AM 11712	N.S. \checkmark < 10.7
	AM 9837	8.7 \checkmark
	AM 11818	N.S. \checkmark < 11.4
	AM 9337	10.4 \checkmark
	AM 11863	N.S. \checkmark < 10.7
	AM 9564	11.2 \checkmark
	AM 9149	9.5 \checkmark
	AM 13333	N.S. \checkmark < 12.5
	AM 9200	N.S. \checkmark i. trailed
	AM 9000	10.3 \checkmark

Friday Nov 29, 1918.

Q M 9198	10.5 ✓
Q M 9357	10.2 ✓
Q M 9070	10.4 ✓
Q M 9388	10.3 ✓
Q M 9422	10.4 ✓
Q M 9031	10.3 ✓
Q M 12406	N.S. ✓ < 11.2
Q M 13278	N.S. ✓ < 12.7
Q M 13304	N.S. ✓ < 12.7
Q M 12462	N.S. ✓ < 11.2

3:00

31 plates of normal brightness

Saturday Nov. 30, 1918

Observations of R γ Sagittarii

9:15	AM 9406	N.S. ✓ < 9.6
	AM 9467	N.S. ✓ < 10.0
	AM 9471	N.S. ✓ < 9.4
	AM 9532	N.S. ✓ < 11.2
	AM 8888	10.3 ✓
	AM 12209	N.S. ✓ < 11.4
	AM 9542	N.S. ✓ < 10.0
	AM 8892	N.S. ✓ film def.
	AM 12034	N.S. ✓ < 10.7 very near edge
	AM 8953	9.6 ✓ i. trailed
	AM 12059	N.S. ✓ < 10.7
	AM 8969	10.3 ✓
	AM 9083	10.4 ✓
	AM 12045	N.S. ✓ < 10.0 edge
	AM 8993	10.2 ✓
	AM 12079	10.4 ✓
	AM 9007	10.2 ✓
	AM 12222	11.4 ✓
	AM 9021	N.S. ✓ < 9.4
	AM 12097	N.S. ✓ < 10.7
	AC 15269	8.2 ✓
	AM 12119	N.S. ✓ < 11.2
	AM 9091	10.7 ✓
	AC 15199	8.6 ✓
	AM 12229	N.S. ✓ < 10.7
	AM 10977	N.S. ✓ off edge

Saturday Nov. 30, 1918

AL 19038	N.S. $\angle 9.6$
AC 15206	P.5 \checkmark
AL 19269	N.S. \checkmark i. roof near edge
AC 19087	N.S. \checkmark off edge
AL 15258	P.3 \checkmark
AM 13448	N.S. \checkmark $\angle 11.2$
AL 19154	N.S. \checkmark too near edge
AL 19410	N.S. \checkmark " " "
AL 15290	P.3 \checkmark
AM 13502	N.S. \checkmark too near edge
AL 20138	N.S. \checkmark " " "
AL 15336	P.3 \checkmark
AL 20648	N.S. \checkmark
AL 20528	N.S. \checkmark
AL 15480	P.2 \checkmark
AM 13512	N.S. \checkmark $\angle 10.4$
AL 15535	N.S. \checkmark out in R. a.
AM 13522	N.S. \checkmark $\angle 10.0$
AL 16470	N.S. \checkmark off edge
AM 13527	N.S. \checkmark $\angle 10.0$
AL 16721	N.S. \checkmark i. top
AM 13530	N.S. \checkmark $\angle 10.0$
AL 16761	N.S. \checkmark too near edge
AL 16837	N.S. \checkmark i. ft. near "
AM 13537	10.4 \checkmark
AM 16928	N.S. \checkmark for fogged

10:40

22 plates of normal brightness.

Saturday Nov. 30, 1918

22:45	AM 9257	n.s. \checkmark < 9.4
	AM 10127	8.0 \checkmark
	AM 11121	7.4 \checkmark
	AM 8167	6.6 \checkmark
	AM 8295	6.7 \checkmark
	AM 8404	n.s. \checkmark too near edge
	AM 12393	n.s. \checkmark < 10.4
	AM 11847	n.s. \checkmark < 10.0
	AM 9305	n.s. \checkmark < 10.0
	AM 8470	6.5 \checkmark
	AM 9585	n.s. \checkmark < 9.6
	AM 11128	n.s. \checkmark too near edge
	AC 12502	n.s. \checkmark ft. in near edge
	AM 9600	n.s. \checkmark < 9.4
	AC 17671	n.s. \checkmark < 9.6
3:05	4 plates of unusual brightness	

Monday Dec. 2, 1918

Observations of *Rγ sagittarii*

8:55	aa 17678	n.s. ✓	off edge
	ac 17735	n.s. ✓	in ft near edge
	am 9141	9.5 ✓	
	am 9963	8.2 ✓	
	am 9143	9.5 ✓	
	am 11786	n.s. ✓	< 10.7
	am 9176	9.8 ✓	
	ac 17804	n.s. ✓	< 8.5
	am 11790	n.s. ✓	< 11.2
	am 11830	10.6 ✓	
	am 12536	n.s. ✓	< 10.0
	ac 17832	n.s. ✓	in foot near edge
	am 10148	8.3 ✓	
	am 12654	n.s. ✓	< 10.4
	am 1 ³ / ₂ 270	n.s. ✓	too near edge
	am 10262	7.4 ✓	
	am 10072	8.6 ✓	
	am 10110	8.0 ✓	
	am 10604	n.s. ✓	too near edge
	ac 17843	n.s. ✓	< 10.4
	am 10111	8.0 ✓	
	ac 18903	n.s. ✓	< 9.4
	ac 1 ⁷ / ₈ 873	n.s. ✓	too near edge
	ac 18952	n.s. ✓	" " "
	am 9314	n.s. ✓	< 9.4
	ac 17921	n.s. ✓	too near edge

Monday Dec. 2, 1918

Q M 9328	N.S. ✓ < 10.4
Q C 17991	N.S. ✓ < 8.8
Q M 9183	10.0 ✓
Q M 9352	9.6 ✓
Q M 9976	8.3 ✓
Q M 9233	10.7 ✓
Q M 12236	N.S. ✓ < 11.4
Q M 10048	9.1 ✓
Q M 12258	11.2 ✓
Q M 10067	9.2 ✓
Q M 12282	N.S. ✓ < 11.4
Q M 12358	N.S. ✓ < 10.7
Q M 12310	N.S. ✓ < 11.4
Q M 18802	N.S. ✓ < 10.0
Q M 12369	N.S. ✓ < 10.4
Q C 18863	N.S. ✓ < 8.4
76.45 Q M 12387	N.S. ✓ < 10.4
Q M 13402	N.S. ✓ < 10.4
Q M 13513	11.9 ✓
Q M 13424	N.S. ✓ < 10.0
Q M 13563	N.S. ✓ < 10.7
Q M 13430	N.S. ✓ < 10.4
Q M 13503	12.1 ✓
Q M 13480	12.2 ✓
Q M 13489	12.2 ✓

Monday Dec. 2, 1918

B 32979	6.9 ✓
B 31962	8.2 ✓
B 25967	7.3 ✓
B 30366	8.6 ✓
B 24417	10.1 ✓
B 24414	10.0 ✓
α M 3801	7.2 ✓
α M 1226	n.s. < 11.9
α M 1094	7.6 ✓
α M 869	n.s. ✓ < 11.5
α M 898	11.5 ✓
α M 810	10.5 ✓
α M 12	11.5 ✓
α M 10939	7.6 ✓
α M 1406	9.2 ✓
α M 33	11.4 ✓

Monday Dec. 2, 1918.

Observations of R 3 Cephei

	2:50	AC 17839	9.4
R 3 Cephei		AC 7712	10.0
C. S. mag.		AC 7227	9.5
a	8.4	AC 6744	10.4
b	8.7	AC 6681	10.4
c	9.1	AC 3127	10.2
d	9.7	AC 5745	9.6
e	10.0	AC 6645	9.5
f	10.7	AC 4335	10.4
g	11.2	AC 3866	9.8
h	11.5	AC 3078	10.3
k	12.1	AC 3060	10.0
l	12.4	AC 2751	10.3
m	13.1	AC 2684	9.3
n	13.4	AC 2188	10.5
o	14.0	AC 2077	10.1
p	14.1	AC 8760	9.9
q	14.6	AC 8637	9.5
r	15.1	AC 12391	9.6
		AC 12379	10.2
		AC 12326	10.3
		AC 12307	9.7

3:30

Tuesday Dec. 3, 1918

Observations of R of Cephei

9.00	AC 11033	9.4
	AC 10852	10.5
	AC 10013	9.4
	AC 9031	10.5
	AC 8682	9.5
	AC 15449	9.4
	AC 14745	9.5
	AC 13451	9.6
	AC 12809	9.7
	AC 15954	10.4
	AC 19774	10.3
	AC 19273	10.4
	AC 18249	10.2
	AC 18042	10.1
	AC 17812	10.2
	AC 17791	10.3
	AC 16142	10.3
	AC 20579	9.7
	AC 21225	9.3
	AC 19623	9.4
	AC 14519	10.4
	AC 13698	9.4
	AC 18548	10.2
	AC 19232	9.4
	AC 14438	9.5
	AC 17285	9.6

Tuesday Dec. 3, 1918

ac 18881	9.9
ac 16821	10.3
ac 19053	9.6
ac 15822	9.6
ac 14270	10.3
ac 15607	10.1
ac 14621	10.4
ac 15803	9.8
ac 7769	9.5
ac 7252	9.5
ac 7005	9.6
ac 6866	9.7
ac 6635	9.5
ac 6046	10.4
ac 5789	9.9
ac 13549	10.4
ac 5476	10.0
ac 6479	10.5
ac 12703	9.5
ac 13413	10.3
ac 6240	10.2
ac 12663	9.6
ac 5386	10.4
ac 12543	10.4
ac 6501	10.5
ac 12611	9.5

Tue. ^{Dec.}
Tuesday Oct 3, 1918

AC 5280	10.4
AC 4711	10.4
AC 4172	10.4
AC 5015	10.2
AC 4618	10.3
AC 2153	9.4
AC 3916	9.7
AC 5127	9.5
AC 4524	9.9
AC 3289	9.5
AC 4128	10.4
AC 2063	9.6
AC 3204	10.4
AC 2964	10.5
AC 11111	10.2
AC 14191	9.6
AC 11734	9.5
AC 12528	9.5
AC 11962	10.3
AC 919	9.7
AC 8814	10.3
AC 1996	9.7
AC 11724	10.2
AC 1883	9.7
AC 11921	10.2
10:20 AC 1765	9.7

Tuesday Dec. 3, 1918

2110	AC 8608	10.4
	AC 10859	9.6
	AC 12546	10.4
	AC 15512	10.2
	AC 10874	9.5
	AC 15586	9.7
	AC 14567	9.5
	AC 10905	9.7
	AC 13364	9.6
	AC 11137	10.0
	AC 7696	9.5
	AC 7171	10.3
	AC 10950	9.5
	AC 13326	9.5
	AC 7646	10.5
	AC 6898	10.0
	AC 5969	9.5
	AC 7307	10.2
	AC 11077	9.5
	AC 7096	10.5
	AC 6933	9.7
	AC 5357	9.5
	AC 11302	10.4
	AC 5239	10.3
	AC 4355	9.5
	AC 12322	9.7

Tuesday Dec. 3, 1918

ac 3168	10.3	
ac 2141	10.0	
ac 1696	9.5	
ac 13233	10.5	
ac 2085	9.6	
ac 20349	9.5	
ac 12179	10.4	
ac 2019	10.0	
ac 11291	10.3	
ac 9065	10.5	
ac 10948	10.2	
ac 9939	9.7	i
ac 9168	9.7	
ac 862	10.3	ft.
ac 11190	10.2	i
ac 656	10.4	
ac 9060	10.4	i.p.
ac 7262	10.3	fogged i.
ac 6551	10.3	i
ac 4572	10.2	fogged i.
ac 4092	10.4	
ac 3223	10.3	

2140

Wednesday ^{Dec}~~Nov~~ 4, 1918

R 3 Cephei

10:05

AC 2777	9.6	
ac 1971	9.7	i
AC 11100	10.2	
ac 15529	9.5	
ac 15718	9.7	
ac 16850	9.6	
ac 19573	10.0	
ac 8620	9.6	i p.
ac 9202	10.3	
ac 11255	10.0	i.
ac 13310	9.5	i.
ac 13526	10.0	ac.
ac 14549	9.5	
ac 14702	9.5	
ac 12674	10.3	
ac 12622	10.4	g
ac 12558	10.4	
ac 14483	9.8	
ac 14284	9.5	f
ac 13642	9.6	
ac 7145	9.5	i.
ac 6815	9.5	i.
ac 5780	10.2	
ac 5520	10.4	f. i.
ac 5503	9.5	
ac 5185	10.0	

Wednesday Dec. 4, 1918

AC 5158 9.7 f
 AC 5096 10.2 i.p.
 AC 4286 9.6
 AC 2650 10.3

10:35

Plates turned.

Mean.

Time	AC	Value	Notes	Time	AC	Value	Notes
10:45	AC 7145 ✓	9.5		p. 186	9.5	9.50 ^{00,00}	
	AC 12622 ✓	10.3			10.4	10.35 ^{25,05}	
	AC 13312 ✓	9.6			9.5	9.55 ^{05,05}	
	AC 11255 ✓	9.8	i		10.0	9.90 ^{10,10}	
	AC 8620 ✓	9.6	i.p.		9.6	9.60 ^{00,00}	
	AC 1971 ✓	9.7	i.		9.7	9.70 ^{00,00}	
	AC 656 ✓	10.3		p. 185	10.4	10.35 ^{25,05}	
	AC 4092 ✓	10.3			10.4	10.35 ^{05,05}	
	AC 3223 ✓	10.1			10.3	10.20 ^{10,10}	
	AC 4286 ✓	9.6	Trigged	p. 187	9.6	9.60 ^{00,00}	
	AC 5158 ✓	9.5	f.		9.7	9.60 ^{10,10}	
	AC 2650 ✓	10.4	Trigged		10.3	10.35 ^{05,05}	
	AC 5185 ✓	9.7		p. 186	10.0	9.85 ^{15,15}	
	AC 5503 ✓	9.5			9.5	9.50 ^{00,00}	
	AC 5780 ✓	10.2			10.2	10.20 ^{00,00}	
	AC 13642 ✓	9.5			9.6	9.55 ^{25,05}	
	AC 14284 ✓	9.7	Trigged		9.5	9.60 ^{10,10}	
	AC 5096 ✓	10.0		p. 187	10.2	10.10 ^{10,10}	
	AC 14483 ✓	9.8		p. 186	9.8	9.80 ^{00,00}	
	AC 12558 ✓	10.2			10.4	10.30 ^{10,10}	

Wednesday Dec. 4, 1918.

Lodge de P. L. H.

		Plots turned	Mean.
AC 12674 [✓]	10.3	p. 186 10.3	10.30 ^{00, 00}
AC 14702 [✓]	9.5 i.	9.5	9.50 ^{00, 00}
AC 14649 [✓]	9.4 fogged	9.5	9.45 ^{05, 05}
AC 13526 [✓]	10.0	10.0	10.00 ^{00, 00}
AC 9202 [✓]	10.3	10.3	10.30 ^{00, 00}
AC 19573 [✓]	10.1	10.0	10.05 ^{05, 05}
AC 16850 [✓]	9.7	9.6	9.65 ^{05, 05}
AC 15718 [✓]	9.6 i.	9.7	9.65 ^{05, 05}
AC 15529 [✓]	9.5 i.	9.5	9.50 ^{00, 00}
AC 11100 [✓]	9.9 i.	10.2	10.05 ^{15, 15}
AC 2777 [✓]	9.6	9.6	9.60 ^{00, 00}
AC 11190 [✓]	10.2 i.	p. 185 10.2	10.20 ^{00, 00}
AC 862 [✓]	10.4 fogged	10.3	10.35 ^{05, 05}
AC 9168 [✓]	9.7 " i.p.	9.7	9.80 ^{10, 10}
AC 9939 [✓]	9.7 i.p.	9.7	9.70 ^{00, 00}
AC 10948 [✓]	9.8 i.	10.2	10.00 ^{20, 20}
AC 9065 [✓]	10.3 i.p.	10.5	10.40 ^{10, 10}
AC 11291 [✓]	10.2 i.	10.3	10.25 ^{05, 05}
AC 2019 [✓]	10.4 fogged	10.0	10.20 ^{20, 20}
AC 12179 [✓]	10.4 i.p.	10.4	10.40 ^{00, 00}
AC 20349 [✓]	9.5 +	9.5	9.50 ^{00, 00}
AC 2085 [✓]	9.6 fogged	9.6	9.60 ^{00, 00}
AC 13233 [✓]	10.5	10.5	10.50 ^{00, 00}
AC 1696 [✓]	9.5 fogged	9.5	9.50 ^{00, 00}
AC 2141 [✓]	10.2 [✓]	10.0	10.10 ^{10, 10}
11:30 AC 3168 [✓]	10.3 fogged	10.3	10.30 ^{00, 00}

We dnesday Dec. 4, 1918.

Lidger de 12.14.

Observations of R 3 Cephei

Plates Turned 180°

				Mean.
1:45	AC 12322 ^v	9.8	Logged ^{p.184} 9.7	9.75 ^{05,05}
	AC 4355 ^v	9.4	9.5	9.45 ^{05,05}
	AC 5239 ^v	10.3	10.3	10.30 ^{00,00}
	AC 11302 ^v	10.4	i. 10.4	10.40 ^{00,00}
	AC 5357 ^v	9.6	9.5	9.55 ^{05,05}
	AC 6933 ^v	9.7	i 9.7	9.70 ^{00,00}
	AC 7096 ^v	10.5	Logged 10.5	10.50 ^{00,00}
	AC 11077 ^v	9.5	" 9.5	9.50 ^{00,00}
	AC 7307 ^v	10.3	i.p 10.2	10.25 ^{05,05}
	AC 5969 ^v	9.5	Logged i 9.5	9.50 ^{00,00}
	AC 6898 ^v	9.8	10.0	9.90 ^{10,10}
	AC 7646 ^v	10.4	Logged 10.5	10.45 ^{05,05}
	AC 13326 ^v	9.5	i. 9.5	9.50 ^{00,00}
	AC 10950 ^v	9.5	i. 9.5	9.50 ^{00,00}
	AC 7171 ^v	10.3	i. 10.3	10.30 ^{00,00}
	AC 7696 ^v	9.6	p. 9.5	9.55 ^{05,05}
	AC 11137 ^v	9.9	10.0	9.95 ^{05,05}
	AC 5520 ^v	10.4	^{p.186} 10.4	10.40 ^{00,00}
	AC 6815 ^v	9.5	Logged 9.5	9.50 ^{00,00}
	AC 13364 ^v	9.6	^{p.184} 9.6	9.60 ^{00,00}
	AC 10905 ^v	9.7	slightly logged 9.7	9.70 ^{00,00}
	AC 14567 ^v	9.4	9.5	9.45 ^{05,05}
	AC 15566 ^v	9.7	Logged i 9.7	9.70 ^{00,00}
	AC 10874 ^v	9.5	9.5	9.50 ^{00,00}
	AC 12546 ^v	10.2	10.4	10.30 ^{10,10}
2:10	AC 10859 ^v	9.6	9.6	9.60 ^{00,00}

Thursday Dec. 5, 1918

Observations of R 3 Cephei

Plates turned 180°

				Mean
10:10	AC 8608✓	10.3	p. 184 10.4	10.35 ^{05, 05}
	AC 1765✓	9.5	p. 183 9.7	9.60 ^{10, 10}
	AC 11921✓	10.4	10.2	10.30 ^{10, 10}
	AC 1883✓	9.7	i 9.7	9.70 ^{00, 00}
	AC 11724✓	10.3	10.2	10.25 ^{05, 05}
	AC 1996✓	9.8	fogged i. 9.7	9.75 ^{05, 05}
	AC 8814✓	10.0	10.3	10.15 ^{15, 15}
	AC 919✓	9.6	9.7	9.65 ^{05, 05}
	AC 11962✓	10.3	10.3	10.30 ^{00, 00}
	AC 12528✓	9.5	9.5	9.50 ^{00, 00}
	AC 11734✓	9.4	fogged i. 9.5	9.45 ^{05, 05}
	AC 14191✓	9.6	9.6	9.60 ^{00, 00}
	AC 11111✓	10.2	10.2	10.20 ^{00, 00}
	AC 2964✓	10.3	i 10.5	10.40 ^{10, 10}
	AC 3204✓	10.0	10.4	10.20 ^{20, 20}
	AC 2063✓	9.6	i. 9.6	9.60 ^{00, 00}
	AC 2128✓	10.2	10.4	10.30 ^{10, 10}
	AC 3289✓	9.5	xg 9.5	9.50 ^{00, 00}
	AC 4524✓	9.7	i 9.9	9.70 ^{00, 00}
	AC 5127✓	9.4	9.5	9.45 ^{05, 05}
	AC 3916✓	9.7	9.7	9.70 ^{00, 00}
	AC 2153✓	9.6	i 9.4	9.50 ^{10, 10}
	AC 4618✓	10.0	10.3	10.15 ^{15, 15}
	AC 5015✓	10.2	p. 10.2	10.20 ^{00, 00}
	AC 4172✓	10.3	10.4	10.35 ^{05, 05}
	AC 4711✓	10.4	f.p. 10.4	10.40 ^{00, 00}

Thursday Dec. 5, 1918

Cedyn de P.L.H.

				Mean.
AC 5280 [✓]	10.3		p. 183 10.4	10.35 ^{05, 05}
AC 12611 [✓]	9.5	logged	p. 182 9.5	9.50 ^{00, 00}
AC 6501 [✓]	10.4	f	10.5	10.45 ^{05, 05}
AC 12543 [✓]	10.0		10.4	10.20 ^{20, 20}
AC 5386 [✓]	10.3		10.4	10.35 ^{05, 05}
AC 12663 [✓]	9.6		9.6	9.60 ^{00, 00}
AC 5640 [✓]	9.6		10.2	9.70 ^{30, 30}
AC 13413 [✓]	9.9	i.	10.3	10.10 ^{20, 20}
AC 12703 [✓]	9.7	logged	9.5	9.60 ^{10, 10}
AC 6479 [✓]	10.5	p.	10.5	10.50 ^{00, 00}
AC 5476 [✓]	9.8		10.0	9.70 ^{10, 10}
AC 13549 [✓]	10.2		10.4	10.30 ^{10, 10}
AC 5789 [✓]	10.1		9.9	10.00 ^{10, 10}
AC 6046 [✓]	10.3	i.	10.4	10.35 ^{05, 05}
AC 6635 [✓]	9.5		9.5	9.50 ^{00, 00}
AC 6866 [✓]	9.7		9.7	9.70 ^{00, 00}
AC 7005 [✓]	9.8		9.6	9.70 ^{10, 10}
AC 7252 [✓]	9.7	logged	9.5	9.60 ^{10, 10}
AC 7769 [✓]	9.6	"	9.5	9.55 ^{05, 05}
AC 15812 [✓]	10.3	"	p. 184 10.2	10.25 ^{05, 05}
AC 9060 [✓]	10.4		p. 185 10.4	10.40 ^{00, 00}
AC 7262 [✓]	10.0	"	i. 10.3	10.15 ^{15, 15}
AC 6551 [✓]	10.2		10.3	10.25 ^{05, 05}
AC 4572 [✓]	10.2	logged	10.2	10.20 ^{00, 00}
AC 15803 [✓]	9.9	"	p. 182 9.8	9.85 ^{05, 05}
10:55 AC 14621 [✓]	10.4		p. 182 10.4	10.40 ^{00, 00}

Thursday Dec. 5, 1918

Observations of RZ Cygni

Ludger de la Haye

Plates turned 180°

2:05	AC 15607✓	10.3	p.182 10.1	Mean 10.20 ^{10, 10}
	AC 14270✓	10.3	10.3	10.30 ^{00, 00}
	AC 15822✓	9.8	9.6	9.70 ^{10, 10}
	AC 19053✓	9.7 i.	9.6	9.65 ^{05, 05}
	AC 16821✓	10.3	10.3	10.30 ^{00, 00}
	AC 18881✓	9.8	9.9	9.85 ^{05, 05}
	AC 17285✓	9.6 i.	p.181 9.6	9.60 ^{00, 00}
	AC 14438✓	9.5	9.5	9.50 ^{00, 00}
	AC 19232✓	9.5 i.	9.4	9.45 ^{05, 05}
	AC 18548✓	10.1 i. Fogged	10.2	10.15 ^{05, 05}
	AC 13698✓	9.5	9.4	9.45 ^{05, 05}
	AC 14519✓	10.3	10.4	10.35 ^{05, 05}
	AC 19623✓	9.7	9.4	9.55 ^{15, 15}
	AC 21225✓	9.4	9.3	9.35 ^{05, 05}
	AC 20597✓	9.8	Fogged 9.7	9.75 ^{05, 05}
	AC 16142✓	10.3	" i. 10.3	10.30 ^{00, 00}
	AC 17791✓	10.0	10.3	10.15 ^{15, 15}
	AC 17812✓	9.8	10.2	10.00 ^{20, 20}
	AC 18042✓	10.2	10.1	10.15 ^{05, 05}
	AC 18249✓	10.3	10.2	10.25 ^{05, 05}
	AC 19273✓	10.3	10.4	10.35 ^{05, 05}
	AC 19774✓	10.2	10.3	10.25 ^{05, 05}
	AC 15954✓	9.9	10.4	10.15 ^{25, 25}
	AC 12809✓	9.7	9.7	9.70 ^{00, 00}
	AC 13451✓	9.5	9.6	9.55 ^{05, 05}
	AC 14745✓	9.5	Fogged 9.5	9.50 ^{00, 00}
	AC 17837✓	9.4	p.180 9.4	9.40 ^{00, 00}

Thursday Dec. 5, 1918

Lodge L.H.H.

				Mean.
AL 15449 [✓]	9.5		p. 181 9.4	9.45 ^{05, 05}
AL 8682 [✓]	9.6		9.5	9.55 ^{05, 05}
AL 9031 [✓]	10.4		10.5	10.45 ^{05, 05}
AL 10013 [✓]	9.5	Tagged	9.4	9.45 ^{05, 05}
AL 10852 [✓]	10.3		10.5	10.40 ^{10, 10}
AL 11033 [✓]	9.6	i.	9.4	9.50 ^{10, 10}
AL 12007 [✓]	9.7	f.	p. 150 9.7	9.70 ^{00, 00}
AL 12326 [✓]	10.0	i.	10.3	10.15 ^{15, 15}
AL 12379 [✓]	10.2		10.2	10.20 ^{00, 00}
AL 12391 [✓]	9.6	i.	9.6	9.60 ^{00, 00}
AL 8637 [✓]	9.6		9.5	9.55 ^{05, 05}
AL 8760 [✓]	10.0		9.9	9.95 ^{05, 05}
AL 2077 [✓]	9.5		10.1	9.80 ^{30, 30}
AL 2188 [✓]	10.0	i.	10.5	10.25 ^{25, 25}
AL 2684 [✓]	9.5		9.3	9.40 ^{10, 10}
AL 2751 [✓]	10.3		10.3	10.30 ^{00, 00}
AL 3060 [✓]	9.8	Tagged	10.0	9.90 ^{10, 10}
AL 3078 [✓]	10.3		10.3	10.30 ^{00, 00}
AL 3866 [✓]	9.9	i.	9.8	9.85 ^{05, 05}
AL 4335 [✓]	10.3		10.4	10.35 ^{05, 05}
AL 6645 [✓]	9.6		9.5	9.55 ^{05, 05}
AL 5745 [✓]	9.7	Tagged	9.6	9.65 ^{05, 05}
AL 3127 [✓]	10.0	i.	10.2	10.10 ^{10, 10}
AL 6681 [✓]	10.4		10.4	10.40 ^{00, 00}
AL 6744 [✓]	10.3		10.4	10.35 ^{05, 05}
AL 7227 [✓]	9.6	i.	9.5	9.55 ^{05, 05}
2150 AL 7712 [✓]	10.2	Tagged	10.0	10.10 ^{10, 10}

Dec.
Wednesday 17, 1918

Observations of RY Sagittarii

10:45	B 25398	7.35 [✓]	
	B 30182	n.s.	<12.7
	B 24417	10.0 [✓]	e
	B 46908	n.s. [✓]	<12.7
	B 48175	n.s. [✓]	<11.9
	B 47614	13.1 [✓]	
	B 23697	11.8 [✓]	
	B 46874	n.s. [✓]	<12.7
	B 48054	n.s. [✓]	<12.7
	B 47760	n.s. [✓]	<11.4
	B 23851	11.7 [✓]	
	B 45677	9.4 [✓]	e
	B 47639	13.0 [✓]	
	B 48197	n.s. [✓]	<11.4 ⁴
	B 45876	7.2 [✓]	e
	B 45278	7.2 [✓]	p. film
	B 47637	13.0 [✓]	
	B 24414	9.8 [✓]	
	B 48444	n.s. [✓]	<12.5
	B 45877	6.9 [✓]	
	B 25427	7.5 [✓]	e.
		8	
	AM 11276	6.9 [✓]	
	AM 23	11.9 [✓]	
	AM 12338	n.s. [✓]	<12.7
	AC 858	7.8 [✓]	e
	AM 11317	7.1 [✓]	

Wednesday Dec. 11, 1918

Q M 34	11.1 [✓]	
Q M 12363	12.9 [✓]	
Q M 11459	6.9 [✓]	
Q M 138	10.6 [✓]	
Q M 13688	11.7 [✓]	
Q M 12228	11.5 [✓]	< 11.9
Q M 298	9.2 [✓]	
Q M 11305	6.8 [✓]	
Q M 463	7.8 [✓]	
Q M 12216	11.5 [✓]	11.9 < 12.7
Q M 12064	11.8 [✓]	< 12.5
Q M 107	11.3 [✓]	
Q M 12128	11.5 [✓]	
Q M 226	9.8 [✓]	
Q M 13034	11.5 [✓]	< 10.4
Q M 12032	11.5 [✓]	< 13.1
Q M 125	11.0 [✓]	
Q M 11689	11.5 [✓]	< 11.9
Q M 13401	11.5 [✓]	< 11.2
Q M 12144	11.5 [✓]	< 11.4
Q M 12065	11.5 [✓]	< 10.4
Q M 11817	11.5 [✓]	< 12.5
Q M 10018	8.3 [✓]	
Q M 11293	7.0 [✓]	
Q M 11450	6.9 [✓]	
Q M 11365	7.0 [✓]	
Q M 11156	7.2 [✓]	
Q M 11146	7.3 [✓]	

11:50

Monday Dec. 16, 1918
Friday Dec. 13, 1918

R 3 Cephei
Multiple Image Plate

9:15
~~10:40~~

AC 1773

1 9.5

2 9.6

3 9.6

4 9.7

5 9.7

6 9.7

7 9.7

8 10.1

9 10.2

10 N.S.

11 N.S.

9:50

12 N.S.

13 "

14 "

15 "

16 "

17 "

Monday Dec. 16, 1918

R3 Cephei
Multiple Image Plate

AL 18351

1 9.5

2 9.5

3 9.8

Tuesday Jan. 7, 1919RZ Cephei
Multiple Image Plate

11:30 RC 20812.

1 10.3

2 9.8

3 10.0

4 10.1

5 10.3

6 10.1

7 10.0

8 9.7

9 9.6 ?

10 9.5 ?

11:55

Wednesday Jan. 8, 1918

R Z Cephei
Multiple Image Plate

9:05' AL 20863

1 u.s.

21 10.2

30 10.1

40 10.0

54 10.1

65 10.0

76 9.8

87 9.5

9 u.s.

9:20

AL 20855

1 u.s.

2.

3.

4

5

6

7

8

9

10

Image Plate too dark to make
comparison possible.

Friday Jan. 10, 1919

R. Z. Cephei
Multiple Image Plate

9:10

AC 20855

1 N.S.

2 9.4

3 9.4

4 9.4

5 9.4

6 9.7

7 9.8

8 9.8

9 10.0

10 10.2

11 N.S.

AC 20812

1 N.S.

2 9.8

3 10.0

4 10.2

5 10.8

6 10.1

7 9.9

8 9.7

9 9.5

10 9.4

9:40

Friday Jan. 10, 1919

R Z Cepheus
Multiple Image Plate

2:00

AC 20885

1 9.6

2 9.5

3 9.4

4 9.4

5 9.5

6 9.6

7 9.7

8 9.9

9 10.0

10 10.2

11 u.s.

2:10

Saturday Jan. 11, 1919

RZ Cephei

Multiple Image Plates.

9:30

AC 20855

- 1 9.2
- 2 9.4
- 3 9.5
- 4 9.5
- 5 9.5
- 6 9.6
- 7 9.6
- 8 9.8
- 9 10.1
- 10 10.2
- 11 10.4 ?

AC 20812

- 1 h.s.
- 2 10.0
- 3 9.9
- 4 $\frac{9.1}{9.9}$
- 5 10.3
- 6 10.1
- 7 10.0
- 8 9.8
- 9 9.6
- 10 9.4

9:50

Wednesday Jan. 15, 1919

R2 Cephei
Multiple Image Plates

9:00 AC 20863

1 h.s.

2 10.2

3 10.1

4 10.0

5 9.9

6 9.9

7 9.8⁶

8 9.6

9 h.s.

AC 1773

1 9.4⁴

2 9.5

3 9.6

4 9.2

5 9.7

6 9.8⁹

7 10.3

8 10.3

9 10.2

10 10.2

11 h.s.

12 h.s.

13 h.s.

14 h.s.

15 h.s.

16 "

9:30 17 "

Wednesday Jan. 15, 1919

R 2 Cephei

Multiple Image Plats

AC 18351

1 9.5

2 9.5

3 9.8

Thursday Jan. 16, 1919

Mc 14385

Position of Comparison Stars
R 2 Cephei

3:20	x	y	x	y	Diff x (a)	Diff y	Diff x (b)	Diff y
a	+1605	-1065	+1605	-1005				
b	+0270	+1455	+0265 ⁸	+1455				
c	+1355	+1285	+0355	+1280 ²				
d	-0590	-1235	-0590	-1235				
e	+1255	+0240	+1250 ²	+0240				
f	-0705	-0365	-0705	-0365				
g	+0190	-0020	+0190	-0020	-1795	-0985	+0078	+4475
h	-0265	-0795	-0265	-0800 ⁰⁷⁹⁸				
k	+0160	-0610	+0160	-0610	-1765	-0395	+0108	+2065
l	-0065	-0080	-0060 ²	-0075 ⁸	-1548 ³	-0927	+0330	+1533
m	-0530	+0190	-0530	+0190	-1075	-1195	+0798	+1265
n	+0050	-0395	+0050	-0395	-1655	-0610	+0218	+1850
o	-0705	-0210	-0710 ⁰⁸	-0215 ²	-0897	-0793	+0976	+1667
p	-0800	-0295	-0800	-0300 ⁰²⁹⁸	-0805	-0707	+1068	+1753
q	-0140	-0365	-0145 ²	-0365	-1465 ³	-0640	+0410	+1820
r	-0415	+0155	-0415	+0150 ²	-1190	-1157	+0688	+1303
(63) 882	+1625	-1060	+1625	-1055 ⁸			-1'	
Var.	-0295	-0045	-0295	-0050 ⁴⁸	-1310	-0957	+0563	+1503

4:00

Dr.	R.A. 1900	Dec.	sec δ	4 sec δ	sec δ
a	63°18'68"	22°32'26"	64°44.5'	2.287	9.148 .152
b	64°16'98"	22°37'9"	64°44.6'	2.344	9.376 .156
1882 63 1882	22°40'31"	64°3.5'		2.285	9.140 .152

Diff x (1882) Diff y.

Diff. x 4 sec d.

a b 1882.

Diff x (a) Diff y x 982 Diff x (b) Diff y x 98.2

+1435 -1038

-164.2

+7.3 +31.2 -1762.89 -967.27 +16.596 +1448.45

+1465 -0448

-161.5

+10.1 +132.9 -1733.23 -387.89 +106.06 +2027.83

+1687 -0980

-141.2

+30.8 +154.2 -1515.23 -910.31 +324.06 +1505.41

+2155 -1248

-98.3

+74.8 +196.9 -1055.65 -1173.47 +783.64 +1242.23

+1575 -0663

-151.4

+20.4 +143.9 -1625.21 -599.02 +214.08 +1816.70

+2333 -0846

-82.1

+91.5 +213.2 -880.85 -778.73 +958.43 +1636.99

+2425 -0760

-73.6

+100.1 +221.6 -790.51 -694.27 +1048.78 +1721.45

+1767
+2040 -0693

-133.8

+38.4 +161.5 -1436.67 -628.48 +402.62 +1787.24

+2040 -1210

-108.9

+64.0 +186.4 -1168.68 -1136.17 +670.71 +1279.55

+1920 -1010

-119.8

+52.8 +175.4 -1286.42 -939.77 +552.87 +1475.95

Position of Comparison Stars for R Z Cephei

	R. A. 1900			Dec. 1900		Mean pos. 1900.	
g	22 ^h	36 ^m	53.9 57.1 56.8	64°	20.6 20.5 20.5	22 36 55.9	64° 20.5
k	22	36	49.4 52.5 52.3	64°	10.9 10.8 10.8	22 36 51.4	64° 10.8
l	22	36	15.7 18.4 17.2	64°	19.7 19.5 19.5	22 36 18.1	64° 19.6
m	22	35	06.6 06.8 09.3	64°	24.1 23.7 23.9	22 35 07.6	64° 24.0
n	22	36	83.0 85.6 35.9	64°	14.5 14.3 14.4	22 36 34.8	64° 14.4
o	22	34	39.9 39.5 42.8	64°	17.5 17.3 17.4	22 34 40.7	64° 17.4
p	22	34	26.2 25.4 29.0	64°	16.1 15.9 15.9	22 34 26.8	64° 16.0
q	22	36	04.4 06.2 07.2	64°	15.0 14.8 14.8	22 36 05.9	64° 14.9
r	22	35	23.6 24.4 26.5	64°	23.4 23.3 23.3	22 35 24.8	64° 23.3

Diff x (882) Diff y.882		Diff x $\frac{rec J}{15}$			Diff x var. Diff y.		Diff x var. Diff y.	
		a	b	1882				
					-13.10	-09.57	-1286.42	-939.77
					+06.63	+15.03	+552.87	+1475.95
					+06.50	+13.30	+638.30	+1306.06
					-02.95	-11.87	-289.69	-1165.63
					+15.47	+02.88 -03.17	+1519.15	+282.82
					-04.10	+00.28	-402.62	-311.29
1409.17	-1019.32	-267.93	^s +11.95 +46.74	^s +214.19	+04.85	-07.50	+476.27	+27.50
	-437.74	-263.45			+00.30	-05.62	+294.6	-736.50
1438.63	-439.94	-263.45	+16.54	+218.67	+04.55	-00.30	+446.81	-551.88
1656.63	-962.36	-230.32	+50.55	+251.81	+02.33	+02.38	+228.81	-29.46
2116.21	-1225.54	-160.56	+122.25	+321.66	-02.35	-03.47	-230.77	+233.72
1546.65	-651.07	-247.03	+33.40	+235.09	+03.45	-01.64	+338.79	-340.75
2291.01	-830.77	¹³³⁻⁸⁹ 45.80	+149.51	+348.23	-04.13	-02.50	-405.57	-161.05
2381.35	-746.32	-120.16	+163.63	+361.96	-05.05	-03.19	-495.91	-245.50
1735.19	-680.53	-218.37	+62.81	+263.75	+01.53	+02.00	+150.25	-282.82
+2003.28	-118.822	-177.62	+104.63	+304.50	-01.20		-117.84	+196.40
					+19.20	-10.10	+1885.44	-991.82
-1885.44	-991.82	-195.54	+86.25	+286.59				

Monday Jan. 27, 1919

R. G. Cypher

Plato's
Mund Mean.

12:00	I 11699	10.2	10.0	10.10 ^{10.10}	✓	
11:45	I 21048	10.0	10.0	10.05 ^{05 05}	✓	
3:10	I 11460	10.0	10.0	10.00	✓	p.
	I 9729	10.3	10.3	10.30	✓	p.
	I 9201	9.8	9.5	9.65 ^{15, 15}	✓	p.
	I 23814	9.4	9.3 ⁴	9.40	✓	i
	I 4539	9.8	9.9	9.85 ^{05 05}	✓	
	I 1618	10.0	10.0	10.00	✓	
	I 4027	9.5	9.7	9.60 ^{10 10}	✓	
	I 4028	9.7	9.6	9.65 ^{05 05}	✓	
	I 11842	9.9	10.0	9.95 ^{05 05}	✓	
	I 11689	9.6	9.7	9.65 ^{05 05}	✓	
	I 9120	9.7	10.0	9.85 ^{15 15}	✓	
	I 11656	10.2	9.9	10.05 ^{15, 15}	✓	
	I 9464	9.9	9.8	9.85 ^{05 05}	✓	
	I 9232	9.5	9.5	9.50	✓	
	I 23540	9.8	9.9	9.85 ^{05 05}	✓	
	I 21252	9.5	9.5	9.50	✓	
	I 21112	10.0	10.0	10.00	✓	
	I 9175	9.9	9.8	9.85 ^{05 05}	✓	
	I 18748	10.1	10.3	10.20 ^{10 10}	✓	
	I 18774	9.8	9.9	9.85 ^{05 05}	✓	
	I 13220	10.3	10.2	10.25 ^{05 05}	✓	
	I 16839	9.7	9.7	9.70	✓	
	I 18764	10.0	10.0	10.00	✓	

Monday Jan. 27, 1919

R 3 Cephei

Mean

	I 13339	10.3	10.3	10.30 ✓
	I 15803	9.9	10.0	9.95 ^{0.05} ✓
	I 16273	10.1	10.1	10.10 ✓
12:35				
2:45	I 1896	9.4	9.4	9.40 ✓
	I 1729	10.0	10.2	10.10 ^{0.10} ✓
	I 4219	10.3	10.2	10.25 ^{0.05} ✓
	I 11634	10.1	10.1	10.10 ✓
	I 9717	10.2	9.9	10.05 ^{0.15} ✓
	I 9333	10.2	10.2	10.20 ✓
3:00	I 24188	9.8	9.6	9.60 ✓ p.
3:55				

Thursday Jan. 30, 1919

Observations of R. J. Cephin

3:10	AC 8760	10.3	Images p. 9.95 too bright p. 193
	AC 11100	10.2	Certainly < 10.0 p. 188
	AC 19573	10.2	" < 10.0 p. 188
	AC 5640	9.7	" 9.7 or 9.6 p. 191
	AC 16821	10.3	Same on p. 192

3:30

Saturday Feb. 8, 1919

10:15	29175	9.6 -	Estimate on p. 210 too ft.
	29717	10.1	see p. 211
	216275	9.7	Def. in pl. near var. p. 211
	24539	10.1	see p. 210
	21112	10.2	" p. 210
	29120	9.7	" p. 210

10:30

Monday March 3, 1919.

R. & Cephei
Reobservations.

2:15	Al 13233	10.2 ✓	
	Al 16821	10.3 ✓	
	Al 13413	10.0 ✓	
	Al 16850	9.6 ✓	
	Al 15718	9.6 ✓	
	Al 13549	10.4 ✓	
	Al 14483	9.7 ✓	
	Al 14284	9.5 ✓	
	Al 13642	9.5 ✓	
	Al 15803	9.8 ✓	
	Al 13526	10.3 ✓	
	Al 14549	9.4 ✓	
	Al 14702	9.5 ✓	
	Al 15529	9.5 ✓	
	Al 13312	9.5 ✓	
	Al 14191	9.6 ✓	Sept. 190
	Al 16142	10.2 ✓	
	Al 15449	9.5 ✓	
	Al 14745	9.4 ✓	
	Al 13451	9.5 ✓	
	Al 15954	10.3 ✓	p. 192
	Al 14621	10.4 ✓	
	Al 14438	9.6 ✓	
	Al 17285	9.7 ✓	
	Al 13698	9.4 ✓	

2:35

Monday Mar. 3, 1919.

R of Cygni

2:35	AC 15822	9.8 [✓]
	AC 15506	9.7 [✓]
	AC 15812	10.1 [✓]
	AC 13364	9.6 [✓]
	AC 14270	10.2 [✓]
	AC 13326	9.5 [✓]
	AC 14519	10.3 [✓]
	AC 15607	10.2 [✓]
2:45	AC 14567	9.4 [✓]

~~Region~~ Platos not observed by me.

2:50	AC 15782	9.9	9.9	9.90 ⁰⁰ ✓
3:10	AC 14543	9.6	9.6	9.60 ⁰⁰ ✓
	AC 13734	10.3	10.0	10.15 ²¹ ✓
	AC 15387	<9.1	ns.	✓
	AC 15572	10.2	10.1	10.15 ¹⁰ ✓
	AC 14552	10.1	10.2	10.15 ⁰¹ ✓
	AC 13270	10.1	10.0	10.05 ¹⁰ ✓
	AC 17149	9.4	9.5	9.45 ⁰¹
	AC 10397	9.5	9.5	9.50 ⁰⁰ ✓
	AC 16653	9.6	9.6	9.60 ⁰⁰ ✓
	AC 14145	<9.1	ns.	✓
	AC 13250	9.7	9.9	9.80 ²¹ ✓
	AC 17619	10.2	ns.	
	AC 16415	10.0	9.7	9.85 ²¹ ✓
	AC 13277	9.4	9.5	9.45 ⁰¹ ✓
3:05	AC 16044	10.3	10.0	10.15 ²¹ ✓

Tuesday, Mar. 4, 1919

Rg Capher

2:00	Al 16601	10.0	h.s. < 9.7	✓
2:05	Al 17810	10.1	10.0	10.05 ¹⁰ g
	Al 16986	10.4	10.1	10.25 ²² ✓
	Al 17551	10.3	9.9	10.10 ²²
	Al 17182	9.5	9.5	9.50 ⁰⁰
	Al 16961	10.4	10.3	10.35 ¹⁰ ✓
	Al 17086	10.0	9.8	9.90 ¹¹
	Al 16820	10.2	9.9	10.05 ²¹ ✓
	Al 16043	10.0	10.1	10.05 ⁰¹ ✓
	Al 16977	9.6	9.5	9.55 ¹⁰ ✓
	Al 16707	9.8	9.6	9.70 ¹¹ ✓
	Al 17265	10.2	10.0	10.20
	Al 16723	10.3	10.2	10.25 ¹⁰ ✓
	Al 17408	9.7	9.6	9.65 ¹⁰
	Al 17574	10.0	10.0	10.00
	Al 17473	10.3	10.4	10.35 ⁰¹
	Al 17668	9.7	9.7	9.70

2:20

2:35

Tuesday Mar. 4, 1919

Reservations of R Z Cephei

2:25	AC 19573	10.0	p. 213
	AC 6501	10.3	poor image p. 191
	AC 12809	10.1 d.	" " p. 192
	AC 11962	10.2	i. sep. p. 190
	AC 8760	10.1	g. pp. 193 & 210
	AC 18881	10.0	sep. p. 192
	AC 7646	9.8 10.2	f. g. see 187
	AC 20597	9.9	d. g. p. 192
	AC 5280	9.9	sep. p. 191 10:35
2:35	AC 915	9.6	g. sep. 190

Wednesday March 5, 1919

Additional Plates. 20 + 75°

3:10	AC 15912	9.5 9.5	9.50 ✓ e.
12:05	AC 17237	9.8 9.8	9.80 ✓
	AC 13260	10.0 10.0	10.00 ✓
	AC 13310	9.6 9.7	9.65 ^{0'} ✓
	AC 13555	9.6 9.8	9.70 ^{15'} ✓
	AC 13354	9.5 9.6	9.55 ^{0'} ✓ e. g.
	AC 13409	9.7 9.7	9.70 ✓
	AC 14091	9.5 9.5	9.50 ✓
	AC 13503	10.0 9.9	9.95 ^{10'} ✓ e. g.
		22 + 60	
	AC 16600	10.4 10.2	10.30 ^{1'} ✓
	AC 15484	9.4 9.6	9.50 ^{1'} ✓
	AC 13240	9.6 9.6	9.60 ✓
	AC 15536	10.4 10.2	10.30 ^{1'} ✓ i.
	AC 15605	9.6 9.5	9.55 ^{10'} ✓
11:55 3:25	AC 17143	9.7 9.7	9.70 ✓

Wednesday March 5, 1919

R. G. Cephei.

		Mean		
3:25	AC 15540	10.4	10.1	10.25 ^{2.1} ✓
11:55	AC 15397	9.6	9.7	9.65 ^{0.1} ✓
	AC 15614	9.7	9.8	9.75 ^{0.1} ✓
	AC 14420	9.5	9.5	9.50 ✓
	AC 15755	10.3	10.0	10.15 ^{2.0} ✓
	AC 13269	11.5	.	✓
	AC 14308	9.8	9.8	9.80 ✓
	AC 14347	10.0	9.9	9.95 ^{1.0} ✓
	AC 14353	9.7	9.7	9.70 ✓
	AC 14429	9.5	9.5	9.50 ✓
	AC 15352	9.5	9.6	9.55 ^{0.1} ✓
	AC 14498	10.3	9.9	10.05 ^{3.2} ✓
	AC 13497	9.5	9.4	9.45 ^{1.0} ✓
	AC 14578	10.4	10.3	10.35 ^{1.0} ✓
	AC 15409	9.5	9.5	9.50 ✓
	AC 13254	9.6	9.6	9.60 ✓
	AC 15394	10.3	10.0	10.15 ^{2.1} ✓
	AC 13311	9.4	9.5	9.45 ^{0.1} ✓
	AC 15434	9.6	9.6	9.60 ✓
	AC 13363	10.1	10.0	10.05 ^{1.0} ✓
	AC 13400	9.5	9.4	9.45 ^{1.0} ✓
	AC 14098	9.9	9.9	9.90 ✓
	AC 14202	10.4	10.4	10.40 ✓
	AC 13504	10.1	9.9	10.00 ^{1.1} ✓
	AC 14258	9.7	9.7	9.70 ✓ d.f.
	AC 17488	9.7	9.6	9.65 ^{1.0} ✓
	AC 16460	9.6	9.6	9.60 ✓

11:40

Wednesday March 6, 1919

Thursday March 6, 1919

R. 3 Apher.

Mean

11:40	AC 14273	9.5	9.6	9.55 ^{0'} ✓
	AC 16849	off.		✓
	AC 17181	10.4	10.2	10.30 ^{1'} ✓
	AC 16809	9.4	9.4	9.40
	AC 14292	10.2	10.0	10.10 ^{1'} ✓
	AC 17116	9.4	9.5	9.45 ^{0'} ✓
	AC 16976	off.		✓
	AC 16409	9.6	9.5	9.55 ^{10'} ✓
	AC 16659	10.0	9.9	9.95 ^{10'} ✓

3:50

11:35

1918phae.proj.:693A