KG
11366
170

Book I.

Miscellaneous.
Scale measures on Series and
chart plates.
MARY HASSOLTINE VANN

KG 11366, 170

Copied from Annals of Harvard College Observatory
Vol. 84, No 1. page 10

? Doubtful observation.
d discordant observation rejected on later examination and replaced by magnitude given.
e. edge of plate.
f. Image extremely faint, near limit of visibility.
i Trails or elongated images.
p Poor plate.
q Poor image

N.B. All scale measures on Series plates or chart plates are made out of order; that is, although the sequences are recorded with the stars in the consecutive order of designation the measures them selves are made at random for the sake of independent results.

KG11366.170

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Thursday Sept. 20, 1917

10.10 ~~Hours~~ S Ursae Majoris

Plate I 17812	p 1 v v 1 p' ~~q 2 q~~	12.54 12.74	} 12.64
I 15356	q' 1 v $v\ 2\ q^2$	9.51 9.72	} 9.62 ✓
I 15309	q' 1 v $v\ 2\ q^2$	9.51 9.72	} 9.62 ✓

Friday Sept. 21. 1917

9.15

Plate I16438.

B5667 Identification

	DM	R.A	Dec		Magn
~~1~~	~~492~~	~~1 57.6~~	~~-28~~	~~2.5~~	~~10~~
~~2~~	~~452~~	~~1 17.9~~	~~-28~~	~~50.1~~	~~9.0~~
~~3~~	~~422~~	~~1 28.7~~	~~-28~~	~~38.5~~	~~7.4~~

7

B5667 Identification

		D.M.	R.A.	Dec	Mgn.
✓ ?.	1	4~~6~~89	1ʰ 28ᵐ 28.3ˢ	-28 0.2	7.6
✓	2	451	1 22 14.7	-28 41.6	7.6
✓ ?.	3	42x2 ~~593~~ -	1 14 28.7 ~~1 40 14.5~~	-29 38.5 ~~-27 58.6~~	7.4 ~~6.4~~
✓ ?	4	4~~8~~54	1 19 35.5	-29 25.5	8.0
✓ ✓	5	508	1 28 17.3	-29 25.5	7.1
✓	6	542	1 33 30.8	-29 39.5	6.9
✓	7	540	1 30 22.5	-30 32.7	6.5
✓	8	529	1 29 13.7	-30 33.3	7.4
✓	9	506	1 25 56.2	-30 55.5	6.0
✓	10	504	1 25 41.9	-30 37.9	6.8
✓	11	478	1 21 16.6	-30 53.0	7.0
✓	12	484	1 6 29.3	-31 27.8	6.6
✓	13	562	1 17 42.4	-31 36.1	6.1
✓	14	548	1 18 23.0	-32 28.0	6.9
✓	15	613	1 29 8.4	-32 32.2	6.4
✓	16	666	1 36 29.7	-32 57.7	5.6
✓	17	576	1 23 1.5	-34 24.9	6.7
?✓	18	5~~8~~46	1 18 55.1	-34 47.7	6.6
?✓	19	~~6~~494	1 12 15.6	-34 47.7	7.5
✓	20	417	~~1~~ 0 35.4	-36 19.8	6.5
✓	21	595	1 40 14.5	-27 58.6	6.4

Tuesday Oct. 2 1917

8:45 S Ursae Majoris

Plate AC 16148 a 1 b 2 c 1 d 0 f 1 g^1 0 g^2 1 g^3, h 3 l 1 K 1 m 1 m 1 O 0 p 1 q –

Plate I 17812 a 1 b 2 c 1 d 0 f 1 g^1 g^2 2 g^3, h 2 l 1 K 2 n 1 m 1 O 0 p 2 q 1 r 1 s –

Tuesday Oct. 2 1917

12:30 Observation on the Brightness of 123961 S Ursae Majoris -

Plate I 15522
n o v
v 1 m
I 15177
K 1 v 11.1
v 2 l 10.4 ~~11.2~~
1:00)

evidently wrong identification

Do not use

Tuesday Oct 2 1917

2:00 123961 S Ursae Majoris

Plate I 16537 ✓
S 1 V 14.0
V 1 t 14.5 } 14.2

Plate I 15300
g² 2 V 10.1
V 1 h 10.1 } 10.1 ✓

Plate I 15476
~~k~~ h 2 V 10.4 wrong identification
V 1 kl 10.5 } 10.5

Plate I 16544
~~m~~ n 1 V 11.7
V 1 O 12.3 } 12.0 ✓

Plate I 16712 ✓
~~x~~ m 1 V 11.5
V 1 ~~m~~ n 11.5 } 11.5

I 15357 ✓
g² 2 V 10.1
V 1 h 10.1 } 10.1

Plate I 16754
l 2 V 10.8
V 1 m 11.3 } 11.1 ✓

4:00

Plate I 15179
g² 1 V 10.0
V 2 h 10.0 } 10.0 ✓

Plate I 13477 ✓
m 1 V 11.3 / 11.7 (?) 11.4
V 1 ~~k~~ n 11.5

Comparison stars not identified correctly

Plate I 13437 ✓ K recorded as m.
? m 1 V 11.5
V 1 O 12.3 } 11.9

variable is between m & n.

Plate I 18205 ✓
? g 1 V 13.4
V 2 E. 13.2 } 13.3

Plate I 34027
K o V H.0
V 1 l
? K o V pc
l no pc

see page 43.

Plate I 18204
O. V 12.4
V . b 12.4 } 12.4

✓ Observation made on the preliminary comparison of a number of the small

See pages 43 for the incomplete measurements on 9 Plates

Wednesday Oct. 3. 1917

9:05 S ursae majoris cont

wrong identification

Plate 34037 ✓
g^{2} ~~X~~ 1 V e 10.0 } 10.0
V 2 k. 10.0

Plate 19545 ✓
P 1 V 12.5 f } 12.9
V 1 f 13.2

Plate 28818
n 1 V 11.7 } 12.0 ✓
V 2 o 12.2

Plate 18316 ✓
l 1 V 10.7 } 11.0
? V 1 m 11.3

Plate 16781
l 2 V 10.8 } 11.0 ✓
V 1 m 11.3

obs incomplete make further observations

Plate 18367 ✓
g^{2} ~~X~~ 1 V 10.0 } 10.1
V o h 10.2

make further observations

Plate 20375 ✓
g^{2} ~~K~~ o V 9.9 } 10.0
V 1 h 10.1

?
Plate 33976 pc ✓ mc
g^{1} o V 9.6 } 9.8
V o g^{2} 9.9

?
Plate 16786 ✓ mc
K o V ~~11.0~~
V 1 m

Plate 20170 ✓ mc
m 1 V 11.3 } 11.5
V o n 11.6

Plate 17395 ~~17007~~ mc
h o V 10.2 } 10.3 ✓
V 1 l 10.5

Plate 33977
g^{3} 1 V 9.5 } 9.5 ✓
V 1 g^{1} 9.5

Plate
17536 ✓
K o V 11.0 } 11.1 mc
V 1 m 11.3

?
Plate 32542
g^{*} 1 V 9.5 } 9.6 ✓
V 1 g^{2} 9.8

Wednesday Oct 3, 1917

S Ursae majoris Cont

Plate I17537
K 1 V 11.1 } 11.2 ✓
V 1 m 11.3

Plate I28848
K 1 V 11.1 } 11.2 ✓
V 1 m 11.3

Plate I17811
P 1 V 12.5 } 12.9 ✓
V 1 g 13.2

11: 10.

Wednesday Oct. 3. 1917.

2:50 S. Ursae majoris cont

Plate AC 7475

g^{1} 1 V 9.5
V 1 g^{1} 9.5 } 9.5 ✓

Plate AC. 7392

g^{2} 1 V 10.0
V 1 h. 10.1 } 10.1 ✓

?

me do not count consider

Plate AC 7385

? g^{1} 1 V 9.7
V 0 g^{2} 9.9 } 9.8

p f Plate AC. 5584

m 1 V 11.5
V 1 n (?) 11.5 } 11.5 ✓

me do not ~~count~~ consider ?

Plate AC 5602

? l 1 V 10.7
V 0 ~~m~~ K 11.0 } 10.9

Plate AC 7381

g^{2} 1 V 10.0
V 1 h 10.1 } 10.1 ✓

Plate AC. 1991

l 1 V 10.7
V 1 K 10.9 } 10.8 ✓

Plate AC. 2068

p g^{1} 2 V 9.6
V 0 g^{1} 9.6 } 9.6 do not consider

Plate AC 2116

g^{2} 0 V 9.9
V 1 h 10.1 } 10.0 ✓

Plate A.C. 7344

h 1 V 10.3
V 1 l 10.5 } 10.4 ✓

Plate A.C 2259

K 1 V 11.1
V 1 m 11.3 } 11.2 ✓

? Plate A.C. 7376

h 0 V 10.2
V 1 l 10.5 } 10.3 ✓

Plate AC 2265

K 1 V 11.1
V 1 m 11.3 } 11.2 ✓

p ? Plate AC 2356

m 1 V 11.5
V 0 n 11.6 } 11.6 ✓

Wed. Oct. 3, 1917.

S ursae Majoris cont

? Plate AC 7403
g^2 0 V 9.9 } 10.0 ✓
V 1 h 10.1 }

Plate AC 2416
f S 1 V 14.0 } 14.2 ✓
V 1 t 14.5 }

Plate AC 7415
g^3 1 V 9.5 } 9.5 ✓
V 1 g^3 9.5 }

Plate AC 2534
too faint (?) s 1 V 14.0 } 14.2 ✓
V 1 t 14.5 }

Plate AC 7418
? g^2 0 V 9.9 } 10.0 ✓
V 1 h 10.1 }

p Plate AC 2689
? g^1, V 9.7 } 9.8 ✓
V 0 g^2 9.9 }

Plate AC 7436
g^1, V 9.7 } 9.8 ✓
V 0 g^2 9.9 }

Plate AC 3500
p l 1 V 10.7 } 10.8 ✓
V 1 k 10.9 }

Plate AC 3542 ✓
f m 1 V 11.5 } 11.5
V 1 n 11.5 }

Plate AC 3610 ✓
p m 1 V 11.5 } 11.5
V 1 n 11.5 }

Plate AC 3680
f p 1 V 12.5 } 12.8 ✓
V 1 g 13.2 }

Plate AC 3900 ✓
p h 1 V 10.3 } 10.4
V 1 l 10.5 }

Plate AC 7444
? g^2 V
V 0 g^1

Plate ~~AC~~ 7452
? g^3 0 V
V 1 g^2

Wednesday Oct. 3 1917.

S Ursae Majoris cont

Plate AC 7459
g^1 o V
V 1 g^2

Plate AC 7462
g^2 o V
V 1 g^3

P. f Plate AC 6029 √
g^2 1 V
V o.1 g^3

? Plate AC 5874 √
g^3 1 V
V 1 g^2

Plate AC 5897 √
g^1 1 V 9.7 } 9.8 √
V 1 g^2 9.8 }

Plate AC 5976
g^2 1 V 10.0 } 10.1 √
V 1 h 10.1 }

Plate AC 5560 √
m 1 V
V o n

√ Plate AC 5571
m 1 V
V o n

√ Plate AC 5673
m o V
V 1 n

Plate AC 5792 √
l o V
V 1 K

Plate AC 6050 √
l o V
V 1 K

Plate AC 6105 √
K 1 V 11.1 } 11.2
V 1 m 11.3 }

Plate AC 7217
n 1 V
V 2 o

p Plate AC 5719 √
K 1 V 11.1 } 11.2
V 1 m 11.3 }

4:20

Thursday Oct, 4, 1917

10:10 δ ursae majoris ext

Plate AC 12590 ✓
h 1 v 10.3 } 10.4
v 1 l 10.5 }

Plate AC 7530 ✓
g 2 1 v
v 0 h

Plate 7538 ✓
h 0 v
v 1 l

Plate AC 6058 ✓
l 2 v
v 0 k

g, i Plate AC 7507 ✓
g 1 2 v 9.8 } 9.8 ✓
v 1 g 2 9.8 }

g & Plate AC 5756
m 1 v 11.5 } 11.5 ✓ ✓ image sharp comparison images hazy
v 1 n 11.5 }

Plate AC 7516
h 1 v 10.3 } 10.4 ✓
v 1 l 10.5 }

Plate AC 5819 ✓ ✓
g 2 2 v 10.1 } 10.1
v 1 h 10.1 }

Plate AC 5669
m 1 v 11.5 } 11.5 ✓ ✓
v 1 n 11.5 }

p Plate AC 5887
x g 2 v 9.6 } 9.6 ✓
i v 1 g 9.5 }

p Plate AC 4590 ✓
+ g 1 1 v 9.7 } 9.7 ✓
v 1 g 2 9.8 }

Plate AC 5929 } yellow plate
g 1 v } do not use
v 1 g + v }

Plate AC 3706
m 1 v 11.5 } 11.5 ✓ ✓
v 1 n 11.5 }

Plate AC 3478
h 1 v 10.3 } 10.4 ✓
v 1 l 10.5 }

Thursday Oct 4. 1917

S. Ursae majoris cont.

? e i	Plate AC 5968 ✓ g^3 0 V V 1 h	Plate AC. 2681 ✓ g^1 1 V V 0 g^2
	Plate AC 5994 ✓ h 1 V 10.3 } 10.4 V p V 1 l 10.5 }	Plate AC 2574 n.s. V < 11.6 ✓✓ n = i
	Plate AC 7284 ✓✓ l 1 V 10.7 } 10.8 V 2 K 10.9 }	Plate AC 7499 ✓ g^2 0 V V 1 h
f K at limit of visibility	Plate AC 2820 l 1 V 10.7 } 10.8 ✓✓ i V 2 K 10.9 }	Plate AC 2207 h 1 V 10.3 } 10.4 ✓✓ V 1 l 10.5 }
	Plate AC 7477 g^1 2 V 9.8 } 9.8 ✓✓ V 1 g^2 9.8 }	Plate AC 7580 K 1 V 11.1 } 11.2 ✓ ✓ V 1 m 11.3 }
Also shows fine with g^2 ~~much~~ brighter than g^1 no fainter companion star seen P.	Plate AC 2666 ✓ g^1 2 V 9.6	Plate AC 2237 g^2 1 V 10.0 } 10.0 ✓ ✓ V 2 h 10.0 }
	Plate AC. 7554 ✓ ~~h 1 V~~ ✓ h 1 V 10.3 } 10.4 V 1 l 10.5 }	? i Plate AC 7523 ✓✓ h 1 V 10.3 } 10.6 remeasure V 1 K 10.9 }

Thursday Oct. 4, 1917

S Ursae Majoris cont.

+9.

✓ use
do not use

Plate AC 73~~24~~

l 2 v 10.8 } 10.9

v 1 k 10.9 }

Plate AC 7393 ✓

g^1 1 v

v 0 g^2

Plate AC 7490 ✓

h 0 v

v 2 l

Plate AC 7439

(?) g^1 1 v 9.7 } 9.8 ✓✓

v 1 g^2 9.8 }

Plate AC 7467 ✓✓

g^1 2 v 9.6 } 9.5 –

v 1 g^1 9.5 }

12:07

Thursday Oct 4, 1917

1 = 53

g Ursae Majoris cont

Plate AC 7395
g^2 2 V ✓ ✓
V 0 g^3

Plate AC 7440
Plate quality 3 i g^1 1 V (?) 9.7 } 9.8 ✓ ✓
V 1 g^2 9.8

✓ Plate AC 5852 ✓
g^1 1 V 9.7 } 9.8
V 1 g^2 9.8

✓ Plate AC 3850
f O 1 V 12.5 } 12.4 ✓
V 1 p 12.3

Plate AC 5876
g^3 2 V ✓ ✓
V 0 g^2

✓ Plate AC 3872
✓ V n.s
V < g^2
V < 9.6

✓ Plate AC 5930
g^1 1 V
V 0 g^2

✓ ✓ Plate AC ~~2121~~ 2121
g^1 1 ✓
V 0 g^2

Plate AC 5963
✓ g^1 2 V 9.8 } 9.8 ✓
V 1 g^2 9.8

? ✓ Plate AC 2247 ✓
m 1 V 11.5 } 11.5
V 1 n 11.5

Plate AC 6093
l 2 V 10.8 } 11.0 ✓ ✓
V 1 m 11.3

✓ Plate AC 2248
h 1 V 10.3 } 10.4 ✓ ✓
V 1 l 10.5

Plate 6135
m 1 V 11.5 } 11.5 ✓ ✓
V 1 n 11.5

✓ Plate AC 2301
l 2 V 10.8 } 11.0 ✓
V 1 m 11.3

Thursday Oct, 4, 1917

S Ursae Majoris cont -

Plate AC6147 ✓
Does not
cover region

P ✓ Plate AC ~~2577~~ 2558
v n s
v 4 m
v 4 114

Plate AC6073 ✓
k 1 v 11.1 } 11.1 ✓
v 2 m 11.2

✓ Plate AC 2629 -
Var. star g^1 1 v (?) 9.7 } 9.8 ✓
comp. star v 1 g^2 9.8
bagg.
see pp 30 474
Reject.

✓ Plate AC2661
# g t 1 v 9.7 } 9.8 ✓
v 1 g^2 9.8

✓ Plate AC2726
g' 2 v ✓
v 0 g^2

Plate AC2248
(?) g^2, 1 v 10.0 } 10.1 ✓
v 1 h 10.1

Plate 7274 Plate too fogged.

3.05

Plate AC 6135 ✓ ✓
m 0 v
v 1 n

✓ Plate AC3486 ✓
f h 0 v
v 1 l

✓ Plate AC2301 ✓
l 1 v
v 0 k

✓ Plate AC 3501
l 1 v (?) 10.7 } 10.8 ✓
v 1 k 10.9

✓ Plate AC 3537 ✓
k 1 v
v 0 m

✓ Plate AC 3561
m 1 v 11.5 } 11.5 ✓
v 1 n 11.5

Plate AC 7332 ✓
l 1 v 10.7 } 10.8 ✓
v 1 K 10.9

Friday Oct. 6, 1917

8.40 S ursae majoris Cont

✓ Plate AC 18246
V. n. s
v < n
v < 11.6 ✓

Plate AC 18668
10.06 {10.02 / 10 10 ✓ g2 / v 10.0
v / h 10.1 } 10.1

P. MC 12378 superposed

Plate AC 18557
✓ K / V 11.1
~~9.84~~
11.2 {11.10 / 11.30 V / m 11.3 } 11.2

Plate 18772
9.71 / 9.82 } 9.76 g1 / v 9.7
v / g2 9.8 } 9.8

Plate AC 18888
V n. s
v < k ✓
v < 11.0

Plate AC 18697
remeasured g1 / v
v 0 g2

✓ Plate AC 18706
10.02 / 10.10 / 10.06 e g2 / v 10.0
v / h 10.1 } 10.1

Plate AC 18788
{9.71 / 9.82 / 9.8 g1 / v 9.7
v / g2 9.8 } 9.7 ✓

✓ Plate AC 18922
V n. s.
~~V / K~~ K = f
V < 11.0

✓ Plate AC 18831 ✓
doe not cover region

Plate AC 16422 ✓ ✓
m 0 v
v / n

Plate AC 19079 ✓
V n s
K > V K = f
< 11.6

✓ Plate AC 18901 ✓
Does not cover region

Plate AC 19129
V n. s. ✓
v < g1 g1 = f
< 9.6

✓ Plate AC. 18986
v n. s ✓ V < m
m = f
< 11.4

Friday Oct. 5, 1917
S ursae majoris cont

f Plate AC 18907
g^2 1 v 10.0 } 10.1
v 1 h 10.1
10.02
10.10
10.1

Plate AC 18961
Do not cover region ✓

Plate AC 18556 ✓
10.84
10.90
10.87
l 2 v 10.8 } 10.9
v 1 k 10.9

Plate AC 18597
1074
1080
10.77
l 1 v 10.7 } 10.8
v 2 k 10.8

Plate AC 18637 ✓
quality 1 ✓
does not show
enough to
identify v. ✓

Plate AC 18689 ✓
10.02
10.10
↓
g^2 1 v ~~xx~~ 10.0 } 10.06
v 1 h 10.1

~~Plate AC 18748~~
Plate AC 18760 ✓
g^1 2 v 9.8 } 9.8
v 1 g^2 9.8

Plate AC 18815
h 1 v 10.30 }
v 0 l 10.64 } ~~10.6~~ 10.56
v 2 K 10.80 } ✓

Plate AC 17920
g^2 1 v 10.02 } 10.1 ✓
v 1 h 10.10

Plate AC 18093
v n.s. ✓
m > v m.f
< 11.4

Plate AC 18293 ✓
v n.s.
v < p p = f.
11:30. < 12.4

Friday Oct 5 1917

2:00 S Ursae majoris cont

Plate AC18816
g^2 1 v 10.0 } 10.1 ✓
v 1 h 10.1 }

Plate AC 18910
remeasure v.n.s
g^3 faintest seen ?
< ~~9.4~~ 10.6

X Plate AC18759
h 1 v 10.3 } 10.4
v 2 l 10.4 }

3i e Plate AC18876
v n.s
K = f. ✓
< 11.0

3i, e Plate AC18954
v.n.s.
g^3 = f ✓
< 9.4

Plate AC17512
v = f o 1 v 12.5 } 12.4 ✓
v 1 p 12.3 }

p Plate AC17352 ✓
a only comp-
star seen
v n.s
do not use

Plate AC17464
v.n.s
K = f
< 11.0

Plate AC17570
p v.n.s
g^3 faintest comp star
< 9.4

Plate AC17452
m 1 v 11.7 } 12.0 ✓
v 1 a 12.3 }

Plate AC17758
p v.n.s
g^3 = f ✓
< 9.4

Plate AC 17842
e g^1 1 v 9.5 } ~~9.5~~
g v 1 g^7 9.5 }

e Plate AC17769 light streak
~~[illegible]~~ v.n.s ✓ do not use
near edge in ☐

e Plate AC17647 ✓
v.n.s
K = f
< 11.0

Friday Oct. 5 1917

S Ursae majoris cont

Plate AC 17474
e v - n.s
o = f ✓
< 12.4

Plate AC 17301
g^1 1 v 9.7 }
v 1 g^2 9.8 } 9.8 ✓

p Plate AC ~~25~~ 17253
e g^2 1 v 9.5 }
v 1 g^1 9.5 } 9.5 ✓

p Plate AC 17456
v n.s
k = f ✓
< 11.0

Plate AC 17507
r = f. g 1 v 13.4 }
v 1 r 13.3 } 13.4

Plate AC 17571
v n s
q = f ✓
< 13.3

p Plate AC 17625
g^1 2 v 9.8 }
v 1 g^2 9.8 } 9.8 ✓

Plate AC 18447
v < q
q faintest comp. star seen ✓
< 13.3

Plate AC 18545
m 1 v 11.5 }
4.30 v 1 m 11.5 } 11.5 ✓

Sat. Oct. 6. 1917

9:40 S ursae majoris cont

l Plate AC. 18953
v. n-s
h - f. <10.2
~~<10.8 < 9.0~~

p Plate AC 18972
v n.s
g^{v} = f <9.4 ✓

Plate AC 18433
v n.s
r = f <13.4 ✓

Plate AC 17209
g^1 2 v 9.8
v 1 g^2 9.8 } 9.8 ✓

Plate AC 17297
g^1 1 v 9.7
v 1 g^2 9.8 } 9.8 ✓

Plate AC 17455
V. n.s
K = f. <10.0 ✓

e Plate AC 17480
v n.s
g^2 = f <9.9 ✓

e Plate AC 17563
V - n, s
g^2 = f <9.9 ✓

Plate AC 17714
V. n. o.
g^2 = f <9.9

Plate AC 18147
V. n.s. Plate fogged ✓
g^1 = f <9.6

Plate AC 18426
V. n.s
p = f <12.4 ✓

Plate AC 18629 ~~Plate fogged~~
g^3 2 V 9.6
V 1 g^1 9.5 } 9.6 ✓

Plate AC 18842
e v n.s
g^2 = f <9.9 ✓

Plate AC 17418
Plate fogged ✓
region of variable
V n.s.

Saturday Oct. 6, 1917

S Ursae Majoris, Cont.

Plate AC 17676
k 1 v 11.1 } 11.2
v 1 m 11.3

~~Plate AC 177~~23
e Plate AC 17746
do not use g^1 0 v 9.6
no other comparison stars seen

e Plate AC 18133
v n.s
g^2 = f < 9.9

e Plate AC 7418 Plate fogged
f(?) m 1 v 11.5 } 11.5
v 1 n 11.5

Plate AC 18413
v n s Plate quality 2
g^2 = f < 9.9 badly fogged

f Plate AC 18291
g 1 v 13.4 } 13.4
v 1 n 13.3

Plate AC 17778
g^2 2 v 10.1 } 10.1
v 1 h 10.1

Plate AC 17887
h 2 v 10.4 } 10.5
v 1 l 10.5

Plate AC 17929
g^1 2 v 9.8 } 9.9
v 0 g^2 9.9
v 1 h 10.1

Plate AC 18359
v n.s < 12.4
o = f

Plate AC 18595
l 1 v 10.7 } 10.8
v 1 k 10.9

Plate AC 5729 e
m 2 v 11.6 } 11.6
v 1 n 11.5

e f Plate AC 1980 ✓
n 1 v 11.7 } 12.0
v 1 o 12.3

e Plate AC 2088
g^1 1 v 9.7 } 9.8
v 1 g^2 9.8

Saturday Oct. 6. 1917.

S Ursae majoris Cont.

1

Plate AC 2190
g 1 V 10.0
V 0 h 10.2 } 10.2 ✓
V 2 l 10.4
11.05

Plate I 15356
g 2 V 9.6
V 1 g 9.5 } 9.6 ✓

d Plate AC 2340
e m 1 V 11.5
V 1 n 11.5 } 11.5 ✓

e Plate AC 5508
V n.s.
15 f < 11.0 ✓

f Plate AC 5659
n 1 V 11.7
V 1 O 12.3 } 12.0 ✓

Plate I ~~15[illegible]97~~ 15697
l 2 V 10.8
V 1 m 11.3 } 11.0 see pp 41 & 74 reject. ~~Prismatic~~

Plate I 16793
O 2 V 12.6
V 0 p 12.4 } 12.7 ✓
V 2 q 13.1

Plate I 16438 ✓1
p 2 V 12.6
V 1 q 13.2 12.9

Monday Oct. ~~7~~ 8 1917

10:05 S Ursae Majoris cont.

Plate MC 5476
h 1 v 10.3 } 10.3 ✓
v 2 l 10.4 }

Plate MC 10494
h 2 v 10.4 }
v 0 l 10.6 } 10.6 ✓
v 2 k. 10.8 }

Plate MC 5771
r 1 v 13.5 } 13.6 ✓
v 2 s 13.7 }

Plate MC 3286
r 1 v 13.5 } 13.7 ✓
v 1 s 13.8 }

Plate MC 3264
f r 2 v 13.6 } 13.7 ✓
v 1 s 13.8 }

Plate MC 5186
g 3 v 9.7 }
v 0 g 1 9.6 } 9.7 ✓
V R g 2 9.7 }

10.50

For remeasures on those plates for which observations are incomplete see page 44.

1917phae.proj.1172Y

Monday Oct. ~~7~~ 8 1917

2:30 S Ursae Majoris Direct estimate.

Plate AC7395 ✓
10.1

Plate AC7440 ✓
9.7

Plate AC5852 ✓
9.7

Plate AC3850 ✓
r.n.s. < 12.4.

Plate AC5876 ✓
9.6

Plate AC5872 ✓
r.n.s < 9.6

Plate AC5930 ✓
9.8

Plate AC2121 ✓
9.7

Plate AC5963 ✓
9.9

Plate AC2247 ✓
4:00 10.4

Plate AC 25508
f(?) 10.9

Plate AC 6073 ✓
11.1

Plate AC2629 ✓
9.8 see p 74 d 21

Plate AC 2661 ✓
f 10.0

Plate AC 2726 ✓
9.7

Plate AC 2248 ✓
f 10.0

Plate AC 6135 ✓
11.4

Plate AC 3486 ✓
10.5

✓ Plate AC 2301 ✓
11.3

Plate AC 3501 ✓
10.7

Tuesday Oct. 9. 1917

8:55 S ursae majoris cont

Plate AC 3537 ✓
11.3

Plate AC 3561 ✓
11.5

Plate AC 7332 ✓
10.7

Plate AC 5659 ✓
f. ? 10.8

e Plate AC 5508 ✓
v.n.s < 10.6

Plate AC 2340 ✓
e ? 11.7

e Plate AC 2190 ✓
10.1

v Plate AC 2088 ✓
9.6

e Plate AC 1980 ✓
10.7

Plate AC 5739 ✓
11.2

Plate AC 18595 ✓
10.7

Plate AC 18291
f ? < 13.3 ✓

Plate AC 18339
v.n.s. < 12.4 ✓

? Plate AC 17929 ✓
9.8

Plate AC 17887 ✓
9.8

i Plate AC 17778 ✓
(?) ~~9.7~~ 10.3

(?) Plate AC 18113 ✓ Plate fogged.
v.n.s < 9.9

Plate ~~17418~~ AC 17418 ✓
Does not cover region

Plate AC 18133 ✓
v.n.s < 11.6

e Plate AC 17746 ✓
v.n.s < 9.6

Tuesday, Oct. 9. 1917

S ursae majoris Cont

f Plate ac 19079
v < 10.6 ✓

Plate ac 17679 ✓
? 12.0

f Plate ac 18842 ✓
v.n.s < 12.4

Plate A.C. 18629
11.8 ✓

? Plate ac. 18426 ✓
+ 13.2

Plate fogged p Plate 18147 ✓
vns < 11.4

f Plate ac 17714 ✓
? v.n.s < 13.3

f Plate ac 17565 ✓
10.8 (?)

e Plate ac. 17180 ✓
vns < 9.9

e Plate ac 17456
f v.ns. < 11.4

11.00

e Plate ac 17297 ✓
9.7

? Plate ac 17209 ✓
9.8

Plate ac 18433 ✓
v.n.s. < 13.4

p Plate ac 18972 ✓ (?)
v n.s < 9.4

p Plate ac 18953 ✓
f 11.5

Plate ac 18668 ✓
10.3

Plate ac 18557 ✓
11.1

Plate ac 18772 ✓
9.8

Plate ac 18888 ✓
f 11.7

Plate ac 18697 ✓
9.8

Tuesday. Oct. 9 1917.

S Ursae Majoris Cont.

Plate AC 18706 ✓
2:00 10.[illegible]

Plate AC 18788 ✓
9.8

f Plate AC 18922 ✓
11.5

Plate AC 16422 ✓
11.1

Plate AC 19129 ✓
v-n.s < 9.6

Plate AC 18986 ✓
v-n.s < 11.4

Plate AC 18907 ✓
v-n.s. < 9.9

Plate AC 18556 ✓
11.0

f Plate AC 18597 ✓
10.8

Plate AC 18637 ✓

Plate Quality 1

Plate AC 18689 ✓
10.0

Plate AC 18760 ✓
9.8

Plate AC 18815 ✓
10.0

f Plate AC 17920 ✓
9.7

Plate AC 18093 ✓
v.n.s < 10.6

Plate AC 17950 ✓
Does not cover region.

f Plate AC 18293 ✓
12.4

Plate AC 18816 ✓
10.4

Plate AC 18910 ✓
v.n.s < 10.6

Plate AC 18759 ✓
9.8

Tuesday Oct. 9, 1917

S Ursae Majoris cont

Plate AC 17352 ✓

v.n.s. < 9.0

Plate AC 17570

variable faint?

no comp. stars ✓

shown.

Plate AC 17464

v.n.s. < 11.6 ✓

~~Plate AC 17758~~

3:00

S.

Wednesday, Oct. 10, 1917

S Ursae majoris Cont.

8.45' Plate AC 2666 ✓
p V < 9.9

Plate AC 7471 ✓
9.9

Plate AC 2820 ✓
10.7

Plate AC 7284 —
10.8

Plate AC 7580 -
11.1 ✓

Plate AC 2207
10.5 ✓

Plate AC 7499 ✓
10.1

p Plate AC 2574 ✓
v.n.s. < 11.4

Plate AC 2681 ✓
9.8

Plate AC 7554 ✓
10.7

Plate AC 7467 ✓
9.7

Plate AC 7439 ✓
9.8 (?)

Plate AC 7409 ✓
9.9

Plate AC 7393 ✓
10.0

Plate AC 5571 ✓
11.5

(?) Plate AC 3473 ✓
l 10.4

Plate AC 3706
v.n.s. < 13.3 ✓

Plate AC 5929 ✓
yellow plate

Plate AC 4590 do not use
v.n.s. < 9.6 Plate too fogged.

Plate AC 5669 ✓
11.3

1917phae.proj.1172Y

Wednesday, Oct. 10, 1917

S ursae Majoris Cont

g Plate ac 5960 ✓
10.0

Plate ac 5994 ✓
10.4

f Plate ac 7530 ✓
9.9

Plate ac 12590 ✓
10.5−

Plate ac 6058 ✓
11.0

Plate ac 7538 ✓
10.5−

g Plate ac 7507 ✓
9.8

✓ Plate ac 5756 ✓
11.5

Plate ac 7516 ✓
10.4

✓

Plate ac 5819
9.8 ✓

Plate ac 5887
g 9.7 ✓

Plate ac 6049 ✓
Broken

f Plate ac. 18246 ✓
11.5−

✓f Plate ac 17512 ✓
11.5−

✓ Plate ac 17456 ✓
v.ns < 11.0

Plate 18545
11.4 ✓

f Plate ac 18447
v < 13.4 ✓

~~g~~✓ Plate ac 17625
p v.n-s < 10.6 ✓

✓ Plate ac 17571
v.ns < 13.9 ✓

✓ ✓
Plate ac 17507 ✓
13.3

Wednesday Oct. 10. 1917

ζ Ursae Majoris, cont.

e' Plate ac 17842 9.7 ✓	Plate ac 7523 ✓ 10.4
Plate ac 17769 ✓ no reliable meas. possible	Plate ac 2237 ✓ 10.7
f Plate ac 17647 ✓ ? 10.7	f Plate ac 2416 13.4 ✓
f Plate ac 17474 ✓ 11.6	Plate ac 7415 9.7 ✓
Plate ac 17301 9.7 ✓	i Plate ac 7403 ✓ 9.8
g Plate ac 17253 e 9.6 ✓	Plate ac 2336 ✓ 11.5
Plate ac 17612 ✓ Does not cover region	i Plate ac 2265 ✓ 11.2
Plate ac 17452 ✓ 11.8	i Plate ac 2259 ✓ 11.0
p Plate ac 17758 ✓ v.n.s. < 10.6	Plate ac 7376 ✓ 10.3
Plate ac 7342 ✓ 11.1	Plate ac 7344 ✓ 10.7

1917phae.proj.1172Y

Wednesday Oct. 10. 1917

S Ursae Majoris Cont

✓ Plate AC 2116 ✓
10.0

✓ p Plate AC 2068 ✓
9.6

✓ Plate AC 1991 ✓
10.6

Plate AC 7381 ✓
9.8

✓ Plate AC 5602 ✓
11.5

p ✓ Plate AC 5584 ✓
11.0

✓ Plate AC 7385 ✓
10.0

✓ Plate AC 7392 ✓
9.9

✓ Plate AC 7475 ✓
9.7

✓ Plate AC 7452 ✓
9.6

✓ Plate AC 7444 ✓
9.5

p ✓ Plate AC 3900 ✓
9.7

f ✓ Plate AC 3680 ✓
V.n.s. < 13.3

p ✓ Plate AC 3610 plate fogged -
V n s < 11.6 ✓

✓ Plate AC 3542 ✓
11.3

✓ Plate AC 3500
10.7 ✓

✓ Plate AC 7436 ✓
9.7

✓ Plate AC 2689 ✓
9.7

✓ Plate AC 7418 ✓
9.6

✓ Plate AC 2534 ✓
13.3

Wednesday Oct. 10. 1917

S Ursae Majoris Cont

Plate AC 5719
11.1

Plate AC 7217
11.8

Plate AC 6105
11.4

Plate AC 6050
10.8

Plate AC 5792
10.6

Plate AC 5673
11.5

Plate AC 5560
11.7

Plate AC 5976
10.1

Plate AC 5897
9.7

Plate AC 5874
~~>~~9.7

Plate AC 6029
9.8 Poor plate fogged

Plate AC 7462
9.6

Plate AC 7459
11.55– 9.5–

Wednesday Oct. 10, 1917

2:00 S Ursae Majoris cont

✓ Plate I16786 ✓
10.9

✓ Plate I20170 ✓
11.5

Plate I17395
✓ 10.3 ✓

Plate I33977 ✓
✓ 9.5

✓ Plate I17536 ✓
11.0

✓ Plate I32542 ✓
9.9

✓ Plate I17537 ✓
10.8

i ✓ Plate I28848 ✓
11.1

✓ Plate I17811 ✓
12.6

Plate I34037 ✓
10.3

i Plate I19545 ✓
f 12.7

✓ Plate I18316 ✓
10.9

i Plate I28818 ✓
11.3

✓ Plate I16781
10.8 ✓

✓ Plate I20375
* 10.2 ✓

✓ Plate I18867 ✓
10.4

✓ Plate I33976 ✓
9.7

✓ Plate I15179
9.6 ✓

Plate I13477
10.7 ✓

Plate I15522
11.0 ✓

Wednesday, Oct. 10, 1917

S Ursae Majoris cont

Plate I13437
✓ 11.1 ✓

Plate I5723
9.7

Plate I4441
p v.n.s < 9.9

} not in ledger

Plate I15177 ✓ ✓
10.0

Plate I18205 ✓ ✓
13.4

Plate I15697 ✓ see p. 74
10.9 Probably prismatic companion a measured reject.

Plate I16793 ✓ ✓
12.6

Plate I16438 ✓ ✓
13.0

Plate I15356 ✓ ✓
9.5

Plate I340~~2~~7 ✓
9.7

Plate I18204 ✓ ✓
12.5 prismatic companion of a. see p. 51.

Plate I16754 ✓ ✓
11.3

Plate I15357 ✓ ✓
9.8

Plate I16712 ✓ ✓
~~9.~~ 10.9

Plate I15476 ✓ ✓
10.5

Plate I16544 ✓ ✓
12.0

Plate I15300 ✓ ✓
9.7

Plate I16537 ✓ ✓
12.0

Plate I17817 ✓ ✓
12.7

Plate MC3264 ✓
v.n.s < 13.9

Wednesday Oct. 10. 1917

S Ursae Majoris cont-

Plate MC5186 ✓
9.8

Plate MC3286 ✓
13.6

Plate MC5476 ✓
10.3

Plate MC~~#~~10494
10.6 ✓

Plate
MC 5771 ✓
3.45 13.5

Thursday Oct. 11 1917

8:55 S. Ursae Majoris cont.

Plate I 34027 ✓
g^1 1 v 9.5
v 1 g^1 9.5 } 9.5 ✓

Plate I 16754 ✓
l 2 v 10.8
v 1 k 10.9 } 10.9 ✓

Plate I 18205 ✓ ✓
g 1 v 13.4
v 1 r 13.3 } 13.4

g^1 Plate I 15777 ✓ ✓
g^1 2 v 9.8
v 1 g^2 9.8 } 9.8

Plate I 13437 ✓
l 3 v 10.9
v 0 k 11.0 } 11.0 ✓
v 2 m 11.2

Plate I 15522 ✓ ✓
l 3 v 10.9
v 0 k 11.0 } 11.0
v 4 m 11.0

Plate I 33976 pe ✓ —
g 1 v 9.5
v 1 g^1 9.5 } 9.5

Plate I 18367
g^2 3 k 10.2
v 0 h 10.2 } 10.2 ✓ ✓
v 3 l 10.3

Plate I 20373
g^2 2 v 10.1
v 0 h 10.2 } 10.2 ✓ ✓
v 3 l 10.3

Plate I 18316 ✓ ✓
h 3 v 10.5
v 0 l 10.6 } 10.6
v 2 k 10.8

Plate I 17536
K 1 V 11.1
V 3 m 11.1 } 11.1 ✓ ✓

Plate I 16786
l 3 v 10.9
v 1 k 10.9 } 10.9 ✓ ✓

Plate AC 7385
g^2 1 v 10.0
v 2 h 10.0 } 10.0 ✓

Plate AC 5874
g^2 1 V 10.0
V 3 h 9.4 } 10.0

Same [illegible] obtained from [illegible]

Thursday Oct. 11, 1917

S Ursae Majoris cont-

Plate fogged Plate ac 7459
✓ g^1 1 V 9.7 } 9.7 ✓
V 2 g^2 9.7

Plate ac 7462
g 2 V 9.6
✓ V 0 g^1 9.6 } 9.6 ✓
V 3 g^2 9.6

Plate ac 6029
f m 1 V 11.5 } 11.5 ✓
✓ V 1 n 11.6
Too poor to use

Plate ac 5560
m 2 V 11.6
✓ V 0 n 11.6 } 11.7 ✓
V 3 o 12.1

Plate ac 5673
✓ K 2 V 11.2 } 11.2 ✓
V 2 m 11.2

Plate ac 5792
✓ l 1 V 10.7 } 10.7 ✓
V 3 K 10.7

✓

Plate ac 6058
l 2 V 10.8 } 10.8 ✓
V 2 K 10.8

Plate ac 7217
✓ n 2 V 11.8 } 12.0 ✓
V 3 o 12.1

Plate ac 7418
g 2 V 9.6
✓ V 0 g^1 9.6 } 9.6 ✓
V 3 g^2 9.6

Plate ac 2689
✓ g^1 1 V 9.7 } 9.7 ✓
V 2 g^2 9.7

Plate ac 7436
g^1 1 V 9.7 } 9.7 ✓
✓ V 2 g^2 9.7

Plate ac 7444
✓ g 1 V 9.5 } 9.5 ✓
V 1 g^1 9.5

✓ Plate ac 7452
g 1 V 9.5 } 9.5 ✓
V 1 g^1 9.5

Plate ac 5602
K 1 V 11.1 } 11.2 ✓
V 2 m 11.2

Thursday Oct 11, 1917

S Ursae Majoris, cont.

Plate AC 2068
✓ g^1 1 v 9.7
v 2 g^2 9.7 } 9.7 ✓

✓ Plate AC 2116
g^1 2 v 9.8
v 1 g^2 9.8 } 9.8 ✓

i Plate AC 7376
✓ g^2 3 v 10.2
v 0 h 10.2 } 10.2 ✓
v 3 l 10.3

Plate AC 2336
✓ m 2 v 11.6
v 0 n 11.6 } 11.7 ✓
v 4 ~~5~~ o 12.0

Plate AC 7403
✓ g^2 1 v 10.0
v 2 h 10.0 } 10.0 ✓

Plate AC 7523
✓ g^1 3 v 9.9
v 0 g^2 9.9 } 9.9 ✓
v 3 h 9.9

Plate AC ~~7530~~ 7530
h 1 v 10.3 } 10.3 ✓
v 3 l 10.3

Plate AC 5960
g^1 3 v 9.9
v 0 g^2 9.9 } 9.9 ✓
v 3 h 9.9 ✓

Plate AC 5571
n 1 v 11.7 } 11.8 ✓
v 5 o 11.9

Plate AC 2681
g^1 2 v 9.8 } 9.8 ✓
v 1 g^2 9.8

Plate AC 7499
g^1 3 v 9.9
v 0 g^2 9.9 } 9.9 ✓
v 3 h 9.9 ✓

Plate AC 6058
l 3 v ~~11.3~~ 10.9 ✓
v 0 k 11.0 } 11.0
v 4 m 11.0

Plate AC 7538 ✓
g^2 3 v 10.2
v 0 h 10.2 } 10.2 ✓
v 3 l 10.3

Thursday Oct 11, 1917

S Ursae Majoris, Cont-

Plate ac 16422
✓ k 2 v 11.2 } 11.3 ✓
v 1 m 11.3

Plate ac 7395
✓ g^1 3 v 9.9
v 0 g^2 9.9 } 9.9 ✓
v 3 h 9.9

Plate ac 5876
g^1 1 v 9.7 } 9.7 ✓
✓ v 2 g^2 9.7

Plate ac 18697
✓ g^1 2 v 9.8 } 9.8
v 1 g^2 9.8

✓ Plate ac 5930
g^1 1 v 9.7 } 9.7 ✓
v 2 g^2 9.7

✓ Plate ac 2121
g^1 1 v 9.7 } 9.7 ✓
v 2 g^2 9.7

Plate ac 2726
✓ g^1 1 v 9.7 } 9.7
v 2 g^2 9.7

Plate ac 6135
m 1 v 11.5 } 11.5 ✓
✓ v 1 n 11.5

f Plate ac 3486
g^2 1 v 10.0 } 10.1 ✓
v 1 h 10.1

Plate ac 2301
k 3 v 11.3
✓ v 0 m 11.4 } 11.4 ✓
v 2 n 11.4

Plate ac 3537
✓ l 1 v 10.7 } 10.7 ✓
v 2 k 10.8

Plate ac 7393
h 1 v 10.3 } 10.4 ✓
v 2 l 10.4

11:20

Wednesday Oct, 17, 1917

8:50 Plate ac 6029 fogged
l 1 v 10.74 } 10.77
v 2 k 1080

Plate ac 18291
n.s. < 12.4

Plate ac 5729 11.20 } 11.25
11.30
k 2 v ~~10.40~~ } ~~10.47~~
v 1 m ~~10.54~~

Plate ac 1980
l 2 v 10.84 } 10.87
v 1 k 10.9

ac 18953
[illegible]
ns. < 11.6

Plate ac 7393
h v 10.30 } 10.37
v 2 l 10.44

Plate ac 2534
ns < 13.3

e, plate fogged
Plate ac 7580 10.30 } 10.32
h 1 v 10.34
v 3 l

Plate ac 18907
n.s. < 9.9

ac 7342
l 3 v 10.94 } 10.92
v 1 k 10.90

ac 2237
l 1 v 10.74 } 10.72
v 3 k 10 70

Plate ac 18922 d, poor plate
ns < 10.6 (?)

Plate ac 2416
g 1 v 13.42 } 13.38
r 1 n 13.33

Plate ac 3537
m 1 v 11.50 } 11.50
v 1 n 11.50

ac 18759
g' 1 v 9.71 } 9.71
v 2 g² 972

Plate ac 22418
g' 2 v 9.81 | 9.81
v 1 g² 9.82

Wednesday Oct. 17, 1917

ac 5659
m 1 v 11.70 } 11.93
v 2 o 12.16

Plate ac 7274
Too fogged

fogged
ac 2247
g' 2 v 9.81 } 9.81
v 1 g² 9.82

Plate ac 2550
m 2 v 11.60 } 11.55
v 1 n 11.50

Plate ac 7409
g' 3 v 9.91 } 9.91
v 0 g² 9.92
v 3 h 9.90

Plate ac 3486
8 l 3 v 10.50 } 10.52
v 1 l 10.54

Plate ac 3908
Too poor

Plate ac 18093
n s < n.
very poor

Plate ac 3680
n.s. < p

Plate ac 5508
n.s. do not use

ac 2666
~~fog~~ Fireworks
~ region of v.

ac 5584 p
n 1 v 11.70
v 1 o 12.26
11.97

ac 17887
h 1 v ~~10.74~~ 10.30 } 10.32
v 3 l 10.34

Plate ac 18339
n.s. < o

Plate ac 17929
g' 2 v
v 1 g² 9.8

Plate ac 17512 m 2 v poor
h 3 v 10.50 v 1 n 10.52
v 1 l 10.54

Wednesday Oct 17, 1917

Plate ac 17778
p. g² x v
v 1 g² ~~9.81~~

Plate ac 18595 ✓
l 2 v 10.84 }
v 1 k 10.90 } 10.87 ✓

Plate ac 17474 ✓ ✓
n.s. < p 12.4.

Plate ac 18113 ✓
Too poor to ✓
measure.

Plate ac 18815 ✓
g¹ 1 v
v 2 g² 9.7 ✓

Plate ac 17920 ✓
q g² 2 v 10.12 ✓
v 2 q 10.00

Plate ac 18426 ✓ ✓
n s < q

Plate ac 17758 ✓
too poor to ✓
use

1500

Plate ac 17563 ✓
l l 1 v 10.74 }
v 1 k 10.90 } 10.82.

Plate ac 18697 ✓ ✓
g¹ 2 v
v 1 g² 9.8 ✓

Plate ac 17625 ✓ ✓
Too poor -

Plate ac 18133 ✓ ✓
e - too poor ✓

Plate ac 18888 ✓ ✓
e - too poor

Plate ac 17455
e n.s. < u. ? ✓

Plate ac 18629 ✓
Too poor - ✓

e Plate ac 17714 ✓
n.s. < h

Plate ac 18147 too poor 12.4
l Plate ac 18842 n.s. < l. too poor
e Plate ac 17746
do not use

1917phae.proj.1172Y

Wednesday Oct 17, 1917

11.30 Plate 3680
✓ v s. < p 12.4 ✓

p AC 17778
✓ g^2 1 v 10.02 } 10.06 ✓
v 1 h 10.10

Plate I 17293
✓ g^1 1 v } 9.7 —
v 2 g^2

Plate I 16712
✓ l. 3 v 10.94 } 10.92 ✓
v 1 k 10.90

Plate I 16537 ✓
✓ n 2 v 11.80 } 11.93
v 3 o 12.06

Plate I 15300
✓ g^1 2 v 9.91 } 9.91 ✓
~~g^1~~ v 1 g^2 9.92

✓ Plate I 17029
~~11.50~~
h 1 v 10.30 } 10.37
11.50 v 2 l 10.44

fogged ~~Plate I 13477~~ ✓
l 2 v 10.84 } 10.82 ✓
v 2 k 10.80

Plate I 15779
✓ g^1 3 v 9.91 } 9.91 ✓
v 0 g^2 9.92
v 3 h 9.90

q I 28818
k 1 v 11.10 } 11.15 ✓
v 2 m 11.20

Plate I 17293 ✓
9.7

Plate I 17029 ✓ !!
10.x

Tuesday Oct. 23, 1917

2'25´

Plate I 18205 —
13.3 - Poor plate
badly clouded. ✓
Image hazy.

Plate I 16793 ✓
10.8. v. g.

Plate I 18316
3,35´ 10.7

Plate Ac 18204 p.
13.3

Wednesday Oct 31 1917

Comparison Stars for Nova Persei No 2.

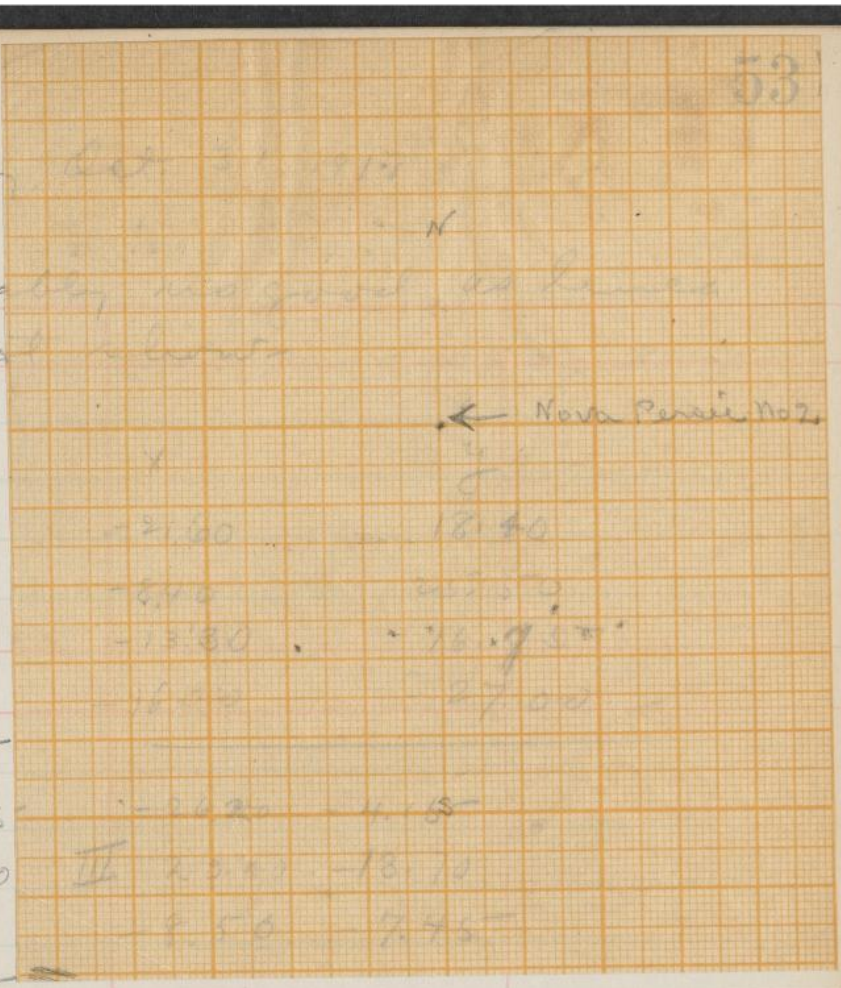
10:30 2h 30m S27 1917 Sept 20. 60 in Reflector - Pease

	x	y		x	y	
032443	~~6.15 edge~~	~~2.5~~		~~-8.~~	28.75	
	5.50	2.00		-16.00	27.00	
	16.95	2.45		-26.50	16.90	
I	11.00	-0.12		-21.60	18.40	
	23.75	4.45				
	28.40	2.90	III	-26.25	-4.10	
	6.95	5.85		-23.00	-13.75	
	5.50	7.80		-19.00	-27.00	(R#
(?)	11.00	5.50		-8.50	-7.50	
	14.45	8.20	R#(	-1.75	-26.00	)
	15.75	5.60		-6.75	-27.25	
	16.50	8.00				
	7.75	11.00	IV	6.00	-12.00	(?)
	~~[illegible]~~	~~[illegible]~~		23.00	-8.50	
	9.05	13.05		24.25	-13.50	
	~~25.00~~	~~10.10~~		0.90	-11.00	
	10.10	25.00		6.50	-12.10	
	2.75	23.60				
	3.00	16.00				
	33.00	25.85				
	-2.60	2.25				
	-4.60	2.50				
	-7.40	1.95				
V	-12.00	0.10				
	-3.65	11.95				
	-13.25	16.75				

4 not measured
because lines
do not show

Wednesday [illegible]

R# Estimates Probably [illegible] on plate did not [illegible]



I

x	y
5.45	2.00
5.75	5.90
5.50	7.75
7.80	11.00
9.05	13.05
2.60 ~~3.75~~	2386
10.10 ~~24.90~~	24.90
10.95	5.60
14.45	8.25
16.25	8.00
15.65	5.50
11.00	~~10~~ -0.10
28.75	2.70
24.60	4.45
3.00	16.00
2.75	23.30
30.00	25.90

IV

6.50	12.10
6.00	-12.00 (f)
0.90	-10.95
23.00	-8.55
24.15	.13.60

1:00

II

-2.80 ~~2.80~~	2.25
-4.65	2.60
-7.45	+1.90
~~11.45~~	~~2.65~~
-12.00	-0.10
~~-V2.40~~	~~3.66~~
- 3.65	12.10
- 26.50	16.90

Wednesday, Oct. 31, 1917

R# estimates probably no good, as lines on plate did not show-

I

x	y	x	y
5.45	2.00	-21.60	18.40
5.75	5.90	-8.40	25.50
5.50	7.75	-13.80	16.95
7.80	11.00	-16.00	-27.00
9.05	13.05		
~~23.75~~ 2.60	23.86	-26.20	-4.16
~~24.90~~ 10.10	24.90	III 23.00	-13.70
10.95	5.60	-8.50	-7.45
14.45	8.25		
16.25	8.00		
15.65	5.50		
11.00	~~10~~ -0.10	IV	
28.75	2.70	6.50	-12.10
24.60	4.45	6.00	-12.00 (f)
3.00	16.00	0.90	-10.95
2.75	23.30	23.00	-8.55
30.00	25.90	24.15	-13.60

1:00

II

x	y
-~~7.88~~ 2.80	2.25
-4.65	2.60
-7.45	+11 90
~~[illegible]~~	~~[illegible]~~
-12.00	-0.10
~~24.00~~	~~3.65~~
-3.65	12.10
-26.50	16.90

Thursday Nov. 1, 1917

S Ursae Majoris remeasures

10. 40 Plate ac17563

us < 12.4 e ✓

Plate ac17625 ✓

us < 11.0

Plate ac18426

~~[illegible]~~ < 13.3 f ?

Plate ac 18339

< 13.3 us

Plate ac18291

us < 12.4 ?

Plate ac 17570 ✓

~~us < 9.6~~

very faint near value of 10.6? but fainter.

Plate ac18293

~~[illegible]~~ < 11.6 f.

Plate ac18246

~~[illegible]~~ < 11.6

} Plate ac17647

us < 9.9

Plate ac17571 ✓ } Evidently previous measures

11. 40 e ~~us~~ 12.1? f } were made on wrong star

Thursday Nov 1. 1917

Positions of Comparison Stars for Nova Persei No 2, faint and additional

11:30 $2^h 30^m$ S 27 1917 Sept 20 60– Reflector.

		x	y	Diameter x	Diameter y
I	032443	0	0	2.50	2.00
	1	5.00	2.00	1.50	1.00
	2	5.50	5.80	1.00	0.50
	3	2.55	23.60	.75	0.50
	4	3.80	16.00	~~.45~~ .50	0.30
	5	5.20	7.75	1.11	0.60
	6	7.50	11.00	0.75–	0.25–
	7	8.95–	~~7.80~~ 13.00	1.50	1.00
	8	10.00	24.95–	0.75–	0.50
	9	10.75–	5.40	0.50	0.25–
	10	14.00	8.10	0.75–	0.50
	11	15.50	5.70	0.90	0.40
	12	16.00	8.00	0.50	0.25–
	13	16.75–	2.30	0.75–	0.55–
	14	24.50	4.25–	1.25–	0.75–
	15	25.20	6.10	0.50	0.25–
	16	28.00	2.80	0.75–	0.50
	17	28.60	20.00	0.50	0.25–
	8	31.00	17.50	2.00	1.50
	n	29.30	16.95	2.50	2.00
	p	35.25–	5.25–	2.00	1.50–
II	18	-3.10	2.25–	1.00	0.60
	19	-4.00	12.00	1.50	1.00
	20	-5.00	2.60	1.00	0.50
	21	-7.60	1.95–	0.25–	0.25–
	22	-8.50	27.70	1.00	0.50

Thursday Nov. 1 1917

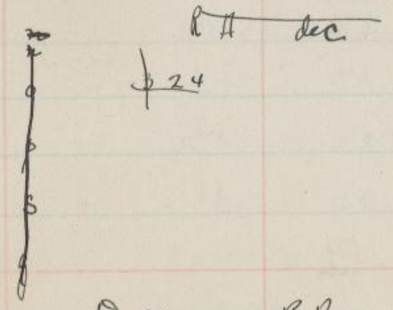
Nova Persei Comp Stars cont.

				Diameter	
	~~23~~	x	y	x	y
	23	-12.10	0.20	0.50	0.50
	24	-13.50	17.00	1.00	0.50
	25	-16.50	28.00	1.00	0.50
	26	-15.00	29.50	0.20?	0.20?
	27	-21.90	27.25	0.75	0.50
	28	~~[illegible]~~ -22.00	18.50 ~~[illegible]~~	1.50	1.00
	29	-26.60	17.00	0.75	0.45
III	30	-27.00	-0.10	0.25	0.20
	31	-26.50	-4.00	1.00	0.50
	32	-26.60	-13.00	0.20	0.10
	33	-24.50	-13.60	1.50	1.00
	34	-16.00	-9.00	0.20	0.20
	35	-12.50	-4.00	0.20	0.20
	36	-8.80	-7.40	1.50	0.50
	37	-7.00	-22.00	0.50	1.00
	38	-6.75	-25.75	0.50	0.50
	39	-2.00	-25.00	0.50	0.50
	⊕	-19.25	-27.00	2.55	1.75
IV	40	0.50	-10.50	0.25	0.50
	41	3.95	-16.10	0.50	0.50
	42	7.90	-24.50	0.25	0.50
	43	5.75	-27.75	0.75	0.50
	44	6.40	-12.00	1.50	0.50
	45	8.90	-16.25	0.50	0.50
	46	11.50	-17.25	0.9 faint	?

Thursday, Nov. 1, 1917

Measure of position of Comp. Star 032443 cont.

	x	y	Diameter x	y
47	14.00	-17.75	0.75	0.50
48	15.75	-23.50	1.50	1.00
49	17.75	-27.00	2.00	1.50
50	-22.40	-26.00	1.00	0.50
57	24.00	-21.50	0.50	0.50
52	21.75	-8.75	2.00	1.50
53	23.90	-13.90	2.50	2.00
	g ~~25.25~~			
1.00	g -40.90	25.25	3.5	25.0
	∴ g -52.80	36.25	when 032443 = 0.0.	
032443	11.90 ~~7.00~~	-11.00		



Des	RA	Dec	
g	3 24 4	43 36.2	From ADW. Book 7 pg 67
r	3 24 36	43 34.9	
o	3 24 18	43 32.0	
p	3 24 36	43 34.2	
s	3 24 33	43 35.2.	

From AD W Bk 7 p-65

Des	x	y	RA	Dec
g	-52.80	36.25	3 24 4	43 36 14
n	29.30	16.95	3 24 36	43 34 55
p ~~p~~	35.25	5.25	3 24 36	43 34 11
o ~~po~~	-19.25	-27.00	3 24 18	43 32 03
s	31.00	17.50	3 24 33	43 35 10
Nora	0.00	0.00	3 24 24	43 33 41

							Res
g - nora RA	52.80 mm =	20s	1 mm = .38s	α 09 25 38 13	216"	4.09 = 1 mm	03
g - n	82.10 mm =	32s	1 mm = .39s		358"	4.36 = 1 mm	24
g - p	88.05 mm =	32s	1 mm = .36s		348"	3.95 = 1 mm	17
g - o	33.55 mm =	14s	1 mm = .41s		157"	4.38 = 1 mm	26
g - s	83.80 mm =	29s	1 mm = .35s		321"	3.83 = 1 mm	29

mean = 4.12

			Re	Res
g - Nora dec	36.25 = 153"	∴ 1 mm = 4".23	28	10
g - n	19.30 = 79"	1 mm = 4".09	14	04
g - p	31.00 = 131"	1 mm = 4".23	28	10
g - o	63.25 = 251	1 mm = 3".97	02	16
g - s	18.75 = 64	1 mm = 3".41	54	

mean = 3.95　　4.13

~~Nora - n dec~~	~~16.95 = 74~~	~~1 mm = 4.37~~
~~" - p~~	~~5.25 = 30~~	~~1 = 5.71~~
~~" - o~~	~~27.00 = 98~~	~~1 = 3.63~~
~~" - s~~	~~17.50 = 89~~	~~1 = 5.08~~

1 mm = adopted value 4".12

	x	y	x × sec δ / 15	R.A.	~~Dec~~ Dec
	× 4.12		.0920		
	"	"	s		
1	20.60	8.24	~~1.895~~ 1.90	$3^h\ 24^m\ 26^s$	$43^\circ\ 33'\ 49''$
2	22.66	23.90	2.08	3 24 26	43 34 05
3	10.51	97.23	0.97	3 24 25	" 35 18
4	15.66	65.92	1.44	" 24 25	" 34 47
5	21.42	31.93	1.97	" 24 26	" 34 13
6	30.90	45.32	2.84	" " 27	" 34 26
7	36.87	53.56	3.39	" " 27	" 34 35
8	41.20	102.89	3.79	" " 28	" 35 24
9	43.28	22.25	3.98	" " 28	" 34 03
10	57.68	33.37	5.31	" " 29	" 34 14
11	63.86	23.48	5.88	" " 30	" 34 5
12	65.92	32.96	6.06	" " 30	" 34 14
13	69.01	9.48	6.35	" " 30	" 33 51
14	100.94	17.51	10.06	" " 34	" 33 59
15	105.82	25.13	10.41	" " 34	" 34 6
16	115.36	11.54	10.91	" " 35	" 33 53
17	117.83	82.40	11.52	" " 36	" 35 3
18	-12.77	9.27	-11.75	" " 12	" 33 50
19	-16.48	49.44	-15.16	" " 9	" 34 30
20	-20.60	10.71	-1.90	" " 22	" 33 52
21	-31.31	8.03	-2.97	" " 21	" 33 49
22	-35.02	114.12	-3.24	" " 21	" 35 35
23	-49.85	0.82	-4.59	" " 19	" 33 42
24	-55.62	70.04	-5.12	" " 19	" 33 51
25	-67.98	115.36	-6.25	" " 18	" 35 $\overset{3}{1}5$
26	-61.80	121.54	-5.69	" " 18	" 35 43
27	-90.23	112.27	-8.30	" " 16	" 35 33
28	90.64	76.22	-8.34	" " 16	" 34 57

1917phae.proj.1172y

	X x 4.12	y	xx $\frac{\text{Reed}}{15}$	RA h	m	s	Dec		
29	-109.59	70.04	-1.06 0920	3	24	23	43°	34'	51"
30	-111.24	-0.41	-10.75	"	24 ~~24~~	13 ~~24~~	~~"~~	33 ~~33~~	41 ~~52~~
31	-109.18	-16.48	-10.20	"	24	14	"	33	25
32	-109.59	-53.56	-10.57	"	24	13	"	32	~~5~~47
33	-100.94	-56.03	-10.06	"	24	14	"	32	45
34	-~~50~~56.92	-37.08	-5.24	"	24	19	"	33	4
35	-51.50	-16.48	-4.74	"	24	19	"	33	25
36	-36.26	-30.49	-3.34	"	24	21	"	33	11
37	-28.84	-90.64	-2.65	"	24	21	"	32	10
38	-27.81	-106.09	-2.56	"	24	21	"	31	55
39	-8.24	-103.00	~~7.58~~ 0.76	"	24	23	"	31 ~~33~~	58 ~~40~~
40	2.06	-43.26	0.19	"	24	24	"	32	58
41	16.27	-66.33	1.50	"	24	26	"	32	37
42	32.55	-100.94	2.99	"	24	27	"	32	1
43	23.69	-114.33	2.18	"	24	26	"	31	47
44	26.37	-49.44	2.43	"	24	26	"	32	52
45	36.67	-66.95	3.37	"	24	27	"	32	34
46	47.38	-71.07	4.36	"	24	28	"	32	30
47	57.68	-73.13	5.31	"	24	29	"	32	28
48	56.65	-46.82	5.21	"	24	29	"	32	4
49	73.13	-111.24	6.73	"	24	31	"	31	50
50	92.29	-107.12	8.49	"	24	32	"	31	54
57	98.88	-88.58	9.10	"	24	33	"	32	1~~3~~2
52	91.61	-36.05	8.43	"	24	32	"	33	5
53	98.47	-57.27	9.06	"	24	33	"	32	44

Wednesday Nov. 14, 1917

Series 17

Scale M

11.35 MD2340 Pole

M2344 p64

				Av	Magn
5	B				
6	3.2 3.0	3.1 $3.15^{05\ 05}$	3.96	3.82	7,02
7	3.7 ~~3.5~~ ~~3.5~~	3.7 $3.70^{00\ 00}$	3.61	3,75	7,45
8	4 7 4.5 4.5 4.60	1L 4.65 $4.62^{02\ 03}$	3.61	3.58	8,18
9	5.7 5.5 5.5 5.60	1L 5.60 $5.60^{00\ 00}$	3.23	3,15	8,75
10	6. 4 6.2 6.1 $6.25^{15\ 15}$	6.30 $6.28^{03\ 02}$	2.74	2,78	9,03
11	7 .1 6.9 7.2 $7.15^{05\ 05}$	7.0 $7.08^{07\ 08}$	2.47	2.41	9,56
12	7.5	7.5 $7.50^{00\ 00}$	2.36	2,37	9,87
13	7.9	8.0 $7.95^{05\ 05}$	2.35 -	2,37	10,27
14	8.2	8.3 $8.25^{05\ 05}$	2.40	2,41	10,61
15	8.4	8.5 $8.45^{05\ 05}$	2.63	2,46	10,86
16	9.1	8.9 $9.00^{1\ 1}$	2.40	2,68	11,78
17	9.2	8.8 $9.00^{2\ 2}$	2.63	2,71	11,91
18	9.3	9.3 $9.30^{00\ 00}$	2.76	2,75	12,05
19	9.5	9.5 $9.50^{00\ 00}$	2.92	2,80	12,30
20	10.1	n.s. 10.1 a ..	2.72	2,96	13,06

Wednesday Nov 14, 1917

Scale m Series MD 17 124K

8.15 -15.2

~~Alt. cor.~~ [illegible] ~~-.19~~

Alt. cor. -.19

	MD2341		1 ⊥	Cu	magn.
1	6.3 6.1	6.1	6.20	2.81	9.01
2		8.1	8.10	2.38	10.48
3		8.3	8.30	2.44	10.74
4	6.7 6.5	6.5	1 ⊥ 6.60	2.60	9.20
5		8.7		2.57	11.27
6		8.5		2.50	11.00
7		8.8		2.60	11.40
8		9.2		2.72	11.92
9		9.3		2.75	12.05
10		ns.			
11		9.5		2.80	12.30
12					
13					
14					
15					
16					

Wednesday Nov 14, 1917

Scale M

Series MD 17 · 76K

MD 23 43 8 16 +15°.0 Alt. cor. +.1i

			15,15 Av. mag.		
1	5.1 4.9	4.8	4.95	3.46	8.41
2	5.6 5.4	5.5	05 05 5.55	3.18	8.73
3	6.4 6.2	6.1	15 15 6.25	2.75	9.00
4	7.2 7.0	7.0	~~1 1 2 2~~ 7.10	2.44	9.54
5		7.5	7.50	2.38	9.88
6		8.2	8.20	2.40	10.60
7		8.3	8.30	2.44	10.74
8		8.9	8.90	2.63	11.53
9		8.8	8.80	260	11.40
10		9.1	9.10	268	11.78
11		9.3	9.30	2.75	12.05
12		9.6	9.60	2.83	12.43
13	n S				

Wednesday Nov. 14, 1917

Scale M

MD Series 17

	MD2344		Pole	
1	.			
2				
3				
4				
5			Cu	magn
6	3.1 2.9		3.83	6.93
7	3.7 3.5–			
8	4.7– 4.5	4.6 4.65– 05 05	3.57	8.22
9	5.7 5.5–	5.5– 5.60 1.1	3.15	8.75
10	6.4 6.2	6.2 6.30 1.1	2.75	9.05
11		7.0	2.47	9.47
12		7.5–	2.38	9.88
13		8.0	2.38	10.38
14		8.3	2.44	10.74
15		8.5–	2.50	11.00
16		8.9	2.63	11.53
17		8.8	2.60	11.40
18		9.3	2.75	12.05
19		9.5–	2.80	12.30
20	ns.			

1.10

Thursday Nov 15 1917

Scale M

MD Series 17

9:20

	MD 2344		Pole MD 2351 P71					Cu	magn
5	B								
6	3.2 3.0		3.2	3.20	00	00	3.91	3,84	7,04
7	3.7 3.5		3.7	3.70	00	00	3.61 ~~4.53~~		
8	4.7 4.5		4.60	4.65	05	05	3.58	3,50	8,20
9	5.7 5.5		5.60	5.65	05	05	3.18	3,06	8,76
10	6.3 6.1	6.1 6.20^{12}	6.15	6,18	02	03	2.84	2,84	9,04
11	7.2 7.0	7.0 7.10^{12}	7.10	7.10	00	00	2.44	2,56	9,66
12		7.3	7.0	7.15	15	15	2.71	2,55	9,85
13		7.9	75	7.70	20	20	2.60	2,57	10,47
14		8.3	80	8.15	15	15	2.50	2,61	10,91
15		8.5	8.5	8.50	00	00	2.56	2,64	11,14
16		8.9	86	8.75	15	15	2.65	2,73	11,63
17		9.0	8.8	8.90	10	10	2.73	2,75	11,75
18		9.3	9.1	9.20	10	10	2.86	2,83	12,13
19		9.5	9.5	9.50	00	00	2.92	2,87	12,37
20		n.s.	9.9	9.90		a	2.83		

Thursday Nov. 15 1917

Scale m

MD Series 14

MD 2346 16h 14m 74°.9 6K

Alt. cor. -.04

		cu. ~~mag~~	mgn.
1 –	7.5	2.55	10.05
2 ·	7.6	2.56	10.16
3 ·	7.9	2.57	10.47
4 ·	8.3	2.61	10.91
5	8.5	264	11.14
6	8.9	2.73	11.63
7	9.2	2 ~~86~~ 80	12.00
8	9.~~2~~ 2	2.~~86~~ 80	12.00
9	·9.3	2.~~90~~ 83	12.13
10	9.4	2.85	12.25
11	9.9	2.98	12.88
12	ms		
13			
14			
15			
16			
17			

Thursday Nov. 15, 1917

Scale M

MD Series 17

+2. MD 2847 (3 above the 8) 9 52 0.0 101K Alt. cor. .06

					cu	mgn
	1	4.7 4.5	4.5	11 4.60	3.52	10 8.02
-	2	5.4 5.2	5.2	11 5.30	3.26	8.56
	3	5.7 5.5	5.6	05 05 5.65	3.10	8.75
Mar. 18, 1918	4	6 3 ~~5~~ 6.1	6.4	05 05 6.35	2.79	9.14
7.8	5	6.5 6.3	6.5	00 00 6.50	2.73	9.23
	6		8.0		2.58	10.58
	7		8.2		2.60	10.80
	8		8.6		2.66	11.26
	9		9.1		2.78	11.88
	10		n.s.			
	11	ns.				

5 evidently unit error in recording.

a reexamination shows 5 certainly < 7 on both scales some mistake not evident

Thursday Nov 15, 1917

Scale M

MD Series 17

MD2348 10ʰ 17ᵐ −15°.1 126K Alt. cor. −18

					Cu	mgn.	
	1	4.2 4.0	4.0	1L 4.10	3.64	7.84	
	2	5.7 5.5	5.3	2,2 5.50	3.16	8.66	
Mar. 18, 1918	3	6.5 6.3	6.3	1L 6.40	2.77	9.17	
7.4	4	6.4 6.5	7.5 6.5	1L ~~6.60~~	2.55 ~~2.56~~	~~9.16~~	10.05
8.0	5		8.0 7.0		2.58 ~~2.59~~	~~9.59~~	10.58
	6		8.4		2.62	11.02	
	7		90		2.74	11.74	
	8		9.0		2.74	11.74	
	9		ns –				

4,5, evidently unit error in recording
4 not comparable with scale 1

Thursday Nov 15 1917

Scale M MD Series 17

MD 2349 9h 25m 30°.0 53 K Alt cor. +20

				1 1	Cu	m gr
	1	6.2 6.0	6.0	6.10	2.88	8.98
	2	6.7 ~~6.5~~	6.4	15 15 6.55	2.72	9.27
	3	6.4 6.2	6.2	1 1 6.30	2.80	9.10
Mar 18, 1918	4		7.1		2.56	9.66
7.8	5		8 ~~7.0~~		8 2.5~~9~~	~~9.59~~ 10.58
	6		7.5		2.55	10.05
	7		8.2		2.60	10.80
	8		8.5		2.63	11.13
	9		8.9		2.72	11.62
	10		9.2		2.80	12.00
	11		9.4		2.86	12.26
	12		9.5		2.88	12.38
	13		10.0		3.00	13.00

Star 5. evidently unit error in recording

Thursday Nov 15 1917

Scale M

MD Series 17

		MD2350			$9^h 38^m$		44°.9 29K	Alt. cor. +.21
					Cu	mepw		
	1	3.7 3.5			4 3.7~~8~~	7.44		
	2	4.9 ~~4.4~~ 4.7	4.6	15 15 4.75	49 3.~~56~~	8.24		
	3	6.1 5.9	5.5	3 3 5.80	4 3.0~~8~~	8.84		
	4	6.7 6.5	6.4	15 15 6.55	72 2.~~64~~	9.27		
Mar 18, 1918	5		7.2		56 2.~~44~~	9.96		
8.0	6		7.5		2.55	10.05		
8.3	7		7.6		256	10.16		
	8		8.3		2.61	10.91		
	9		9.2		2.80	12.00		
	10		9.5		288	12.38		
	11		no.					

6, & 7, evidently unit error in recording.
re-examination show that both 6 & 7 were wrong
error probably systematic not evident.

Thursday Nov 15, 1917

Scale M

MD Series 17

	MD 2351			Pole	
5				Cu	Magn
6	3.2 3.0			3.83	7,03
7	3.7 3.5			———	
8	4.7 4.5	11 4.60	4.5	3.52	8,12
9	5.7 5.5	11 5.60	5,5	3,12	8,72
10	6.2 6.0	.5 05 6.15	6.1	2,84	8,99
11	7.2 7.0	11 7.10	7.0	357	9,67
12			7.0	2.58	9,58
13			7.5	2,55	10,05
14			8.0	2.57	10,57
15			8.5	2,64	11,14
16			8.6	2,66	11,26
17			8.8	2,70	11,50
18			9.1	2,77	11,87
19			9.5	2,87	12,37
20			9.9	2,98	12,88

11.45

Tuesday Nov 20 1917

123961 S Ursae Majoris

10.30 Plate AC 18426
✓ ~~ns~~? < 11.6 ~~f~~

✓ Plate AC 18433
ns < 13.3.

Plate AC 17464
✓ ns < 10.6 ✓

✓ Plate AC 11565
ns < ~~10.6~~ 11.0

✓ Plate AC 17452
11.7

Plate AC 17456
✓ ns < 11.0

✓ Plate AC 17507
12.9

✓ Plate AC 17625
ns < 11.0

Plate AC 18339
✓ 12.4 f

✓ Plate AC 18447
11.30 < 13.4 f

Plate AC 18910
✓ ns < 11.4

✓ Plate AC 18986
ns < 11.0

Plate AC 17453 e
✓ ns ? < 11.0

✓ Plate AC 18954
e. t. p.

✓ Plate AC 17480
t. p. e

Plate AC 17563
✓ e t.p.

✓ Plate AC 18953
ns < 10.6

✓ Plate 18972
t. p.

✓ Plate AC 18922 e
ns < 9.9

✓ Plate AC 18888
t. p.

Thursday Nov 21, 1917

123961 S Ursae Majoris.

10:30 Plate AC17474 ✓
ns < ~~R~~ 12.4

Plate AC17647 ✓
ns' < 9.9

Plate AC17676 ✓
~~ns~~. 11.7?

Plate AC18901 ✓
t.p.

Plate AC18907 ✓
ns < 9.6

Plate AC18961 ✓
t.p.

Plate AC17512 ✓
12.0

Plate AC17570 ✓
n.s < 9.6

11.00

Friday Nov. 22 1917

9
629
2:15 Plate AC 18~~81~~ ~~629~~
About 9.8
Images very poor
near edge
plate fogged!

Plate AC 18815
pp 49, 23, 33 10.1 ?
Not easily
comparable
in other
images -

I 15697
12.6 See pp 41 & 28.

AC 17512 ✓
11.9 See p.p. 73, 26, 24,
Variable near
edge second measure
probably wrong star

Plate AC 1762~~4~~5
See also pp <10.6
72, 49, 36, 25 Can find no
reject 9.8 reason for 9.8.
probably wrong
identification.

See also H.S.L Bk 41.

pp 22, 32, 26, Plate AC 18433 ✓
13.4
very faint.

Plate AC 2629
10.7 See pp. 30 & 21.
Earlier measures too bright.
Due to systematic error -
observations when image not
same intensity.

Variable
ident I 76786

Friday Dec. 21 1917

measure of Companion stars for T Coronae.

2:20 60 K Curtis $16^{h}+3^{r}.5$

Scale n.

		ScB		ScC
Curtis	1	3.6		
	2	3.8 ~~4.4~~		
	3	4.5 ~~4.4~~		4.3
		4.3	25. 25	
	4	4.7 ~~5.4~~	4.55	4.8
		40	25 25	
	5	4.4	4.25	4.5
		60	25, 25	
	6	6.5	5.75	5.5
		6.6	10 10	
	7	7.0	6.70	6.8 ~~7.3~~
		7.0	15 15	
	8	7.4	7.15	7.3
		7.6	0.0	
	9	8.0	7.60	7.6
		7.9	05. 05	
	10	8.3	7.85	7.8
		81	20 20	
	11	8.5	8.30	8.5
	12			9.4

T Cor. QC 8326

	ScB	ScC
a	6.2	5.3
b	6.5 ~~7.5~~	5.5
c	7.4 ~~6.5~~	6.5
d	7.3	7.2
e	7.7	7.7
f	8.5	8.5
g		9.2
h		9.8

60 K

1	4.7	4.2
2	5.6	5.2
3	5.8	5.6
4	6.5	6.4
5	7.4	6.6
6	7.4	7.0
7	7.9	7.3
8	8.8	8.0
9	8.6	8.1
10		9.3
11		9.8

Superseded

see following pages.

Thursday ~~Dec~~ Jan 17. 1918

Measure of Comparison stars for T Coronae

10.10 with 60 SX & Carte 16 + 31.5

Scale N | Diff 32 to 10 | Plate AC 8326 | T Cor. AC 8326

		Sc B	Sc C				cu magn			Sc B	Sc C	
						from Carte						
Carte	4	4.1 4.5	20.20 4.30	4.5	3.62							
	5	4.8 5.2	10.10 4.90	5.0	3.01	a	3.17	8.92	a	5.8 6.2	05.05 5.75	5.7
	6	0.3 6.7	10,10 6.20	6.1	3.16	b	3.06	9.61	b	6.7 7.1	15 15 6.55	6.4
	7	6.9 7.3	05.05 6.85	6.8	2.81	c	3.00	9.95	c	7.2 7.6	25.25 6.95	6.7
	8	7.1 7.5	05,05 7.05	7.0	3.09	d	2.98	10.28	d	7.4 7.8	10 10 7.30	7.2
	9	7.9 8.3	25,25 7.65	7.4	2.93	e	2.89	10.64	e	7.9 8.3	15 15 7.75	7.6
	10	8.1 8.5	25,25 7.85	7.6	2.91	f	2.81	11.16	f	8.3 8.7	05 05 8.35	8.4
	11	8.4 8.8	10,10 8.30	8.2	2.90	g	2.72	11.62	g	8.8 9.2	10,10 8.90	9.0
	12			9.5	2.48	h	2.63	12.13	h			9.5

Diff Bk 7:63

						from 60 SX.	cu	magn.
	3	5.9 6.3	15,15 5.75	5.6	3.55	a	3.59	9.34
60 SX	4	6.5 6.9	00,00 6.50	6.5	3.49	b	3.44	9.99
	5 7	7.1 7.5	05 05 7.05	7.0	3.23	c	3.37	10.32
	6	7.5 7.9	00,00 7.50	7.5	3.18	d	3.28	10.58
	7	7.2 7.6	00,00 7.20	7.2	3.23	e	3.19	10.94
	8	8.0 8.4	00,00 8,00	8.0	3.10	f	3.09	11.44
	9	84 8.8	00,00 8.40	8.4	3.26	g	2.99	11.89
	10	8.8 9.2	10 10 8.90	9.0	3.21	h	2.89	12.39
	11			9.6	2.67			

11.00

Thursday ~~Dec~~ Jan 17, 1918

Measure of Comparison stars for T Coronae

11:50 with 60 K & Carte 16 + 31.5

Scale N Diff B32 Page 70 Plate AC 1$\overset{3}{8}$946

Carte

	Sc B		Sc C	
4	5.2 5.6	00,00 5.20	5.2	2.72
5	6.7 6.1	05,05 5.65	5.6	2.26
6	6.8 7.2	05,05 6.75	6.7	2.61
7	7.4 7.8	10 10 7.30	7.2	2.36
8	7.6 8.0	10 10 7.70	7.8	2.44
9	8.1 8.5	15 15 8.25	8.4	2.33
10	8.4 8.8	10 10 8.50	8.6	2.26
11	8.8 9.2	10 10 8.90	9.0	2.30
12			9.5	2.48.

From Carte

	cm	magn
a	2.48	8.53
b	2.41	9.36
c	2.38	9.98
d	2.36	10.36
e	2.36	10.71
f	2.37	11.17
g	2.38	11.48
h	.	.

T Coronae

AC 18946

	Sc B		Sc C
a	5.8 6.2	25 ,25 6.05	6.3
b	6.8 7.2	15 15 6.95	7.6
c	7.6 8.0	00,00 7.60	7.6
d	8.0 8.4	00,00 8.00	8.0
e	8.4 8.8	05,05 8.35	8.3
f	8.6 9.0	20 20 8.80	9.0
g	8.9 9.3	20 20 9.10	9.3
h			10.0

60 K

				~~Diff.~~ Bk 7:63
3	6.1 6.5	10 10 6.20	6.3	3.10
4	6.9 7.3	15 15 7.05	7.2	2.94
5	7.6 8.0	05,05 7.65	7.7	2.63
6	7.8 8.2	10 10 7.90	8.0	2.78
7	8.1 8.5	15 15 8.25	8.4	2.18
8	8.6 9.0	10 10 8.90	8.8	2.40
9			9.2	2.46
10			9.5	2.61
11			9.9	2.37

From 60 K.

	cm	magn
a	3.29	9.34
b	2.89	~~10~~9.84
c	2.67	10.27
d	2.53	10.53
e	2.42	10.77
f	2.39	11.19
g	2.40	11.50
h	2.50	12.50

12.25 —

1917phae.proj.1172Y

Thursday ~~Dec~~ Jan 17, 1918

measure of Comparison Stars for T Coronae

2:00 with ~~60 K~~ & ~~Carte~~ 16' + 31°5

Scale N

Ac 6368 Arm @ center

Carte

	ScB		ScC	Diff BK32:70
4	4.1 4.5	10 10 4.20	4.3	3.72
5	4.9 5.3	10 10 5.00	5.1	2.91
6	6.0 6.4	10, 10 6.10	6.2	3.26
7	6.8 7.2	00, 00 6.80	6.8	2.86
8	7.3 7.7	00, 00 7.30	7.3	2.84
9	7.6 8.0	10 10 7.70	7.8	2.88
10	8.0 8.4	00, 00 8.00	8.0	2.76
11	8.5 8.9	00, 00 8.50	8.5	2.70
12	8.9 9.3	15, 15 9.15	9.2	2.93

	cm	magn
a	3.02	8.92
b	2.89	9.59
c	2.84	10.04
d	2.81	10.46
e	2.80	10.90
f	2.80	11.45
g	2.80	11.65
h	.	-

T Coronae

Ac ~~6386~~ 6368

	ScB		Sc C
a	5.8 6.2	10 10 5.90	6.0
b	6.6 7.0	10 10 6.70	6.8
c	7.1 7.5	10 10 7.20	7.3
d	7.6 8.0	05 05 7.65	7.7
e	8.0 8.4	10 10 8.10	8.2
f	8.5 8.9	15 15 8.65	8.8
g	8.8 9.2	05 05 8.85	8.9
h			9.6

60 K.

				Diff BK7,63
3	5.8 6.2	10 10 5.90	6.0	3.40
4	6.5 6.9	00, 00 6.50	6.5	3.49
5	7.1 7.5	05 05 7.05	7.0	3.23
6	7.6 8.0	05 05 7.55	7.5	3.13
7	7.4 7.8	05 05 7.35	7.3	3.08
8	8.0 8.4	10 10 8.10	8.2	3.00
9	8.4 8.8	15 15 8.55	8.7	3.11
10	8.8 9.2	10 10 8.90	~~8.8~~ 9.0	3.21
11			9.5	2.77

From 60 K.

	cm	magn
a	3.55	9.45
b	3.31	10.01
c	3.19	10.39
d	3.10	10.75
e	3.05	11.15
f	3.01	11.66
g	2.99	11.84
h	2.96	12.56

Thursday ~~Dec~~ Jan 17, 1918

Measure of Comparison Stars for T Coronae.

with 60 K ~~&~~ Carte 16 + 31°.5

Scale n

Carte →

	ScB		ScC	Diff BR 32:70
4	5.0 5.4	10 10 5.10	5.2	2.82
5	5.6 6.0	10 10 5.70	5.8	2.21
6	6.6 7.0	05 05 6.55	6.5	2.81
7	7.1 7.5	00, 00 7.10	7.1	2.56
8	7.6 8.0	10 10 7.70	7.8	2.44
9	8.1 8.5	10, 10 8.20	8.3	2.38
10	8.6 9.0	10, 10 8.70	8.8	2.06
11	8.9 9.3	05 05 8.95	9.0	2.25
12			9.5	2.48

AC 11588 from Carte.

	cu	magn
a	2.57	8.47
b	2.51	9.36
c	2.48	9.73
d	2.43	10.23
e	2.39	10.69
f	2.37	10.97
g	2.34	11.29
h	2.29	11.79

T Coronae

AC 11588

	ScB		ScC
a	5.8 6.2	10 10 5.90	6.0
b	6.7 7.1	15 15 6.85	7.0
c	~~7.5~~ 7.1 ~~8.0~~	15 15 7.25	7.4
d	7.6 8.0	20 20 7.80	8.0
e	8.1 8.5	20 20 8.30	8.5
f	8.4 8.8	20 20 8.60	8.8
g	8.9 9.3	05, 05 8.95	9.0
h			9.5

60 K →

	ScB		ScC	Diff BR 7:63
3	6.6 7.0	05 05 6.55	6.5	2.75
4	6.9 7.3	15, 15 7.05	7.2	2.94
5	7.2 7.6	10, 10 7.30	7.4	2.98
6	7.9 8.3	05 05 7.95	8.0	2.73
7	8.2 8.6	00, 00 8.20	8.2	2.23
8	8.4 8.8	10 10 8.50	8.6	2.60
9	8.6 9.0	20 20 8.80	9.0	2.80
10			9.2	2.91
11			9.7	2.57

from 60 K

	cu	magn	
a	.	.	
b	2.83	9.68	
c	2.81	10.06 ~~9.56~~	
d	2.79	10.59	
e	2.77	11.05 ~~10.87~~	
f	2.76	~~10.86~~	11.36
g	2.75	11.70	
h	2.75	11.25	

3:40

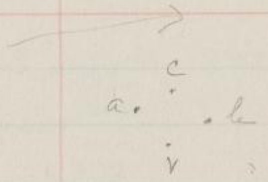
Friday ~~Dec~~ Jan 18, 1918

11 Vulpeculae

2:30
~~10.00~~

11 Vul. identified
L 18937

ac 5112
b2v1c



ac 5072
a1v2b

ac 5117
b1v1c

ac 5163
no

ac 5182
a0v

Sat Jan 19 1918

11 Vulpeculae

9:20	ac 6892 v 3 a
	~~ac 6977~~ ac 9536 v 1 c
	ac 50~~10~~ 33 a2 v1 b
	ac 5235 v 2 a
	ac 5303 b2 v 1 c
	ac 1954 b0 v
940	

Copied 38:4.

Saturday Jan 19, 1918

Scale R. Comparison stars for T Coronae

10.10 MC 5390 16 + 25 alt. Corr. +.20

Ref. sequence T Coronae seq. PC

RU Herculis PC sc 1 sc 2 sc 2

sc 1 sc2 Sc2 a 5.4 5.7 11.3

Diff. 08. p21 b 5.9 6.2 11.8

4.44 3 3.8 4.1 10.5 1050 00.00 10.5 c ~~7.3~~ 6.5 6.8 12.3

3.71 4 5.7 6.0 11.8 d ~~7.2~~ 6.9 7.2 13.0

2.98 5 7.2 7.5 12.4 e 7.7 8.0 13.5

3.06 6 8.1 8.4 840 00.00 8.4 13.1 f 8.2 8.5 850 00.00 8.5 14.0

2.69 7 8.7 9.0 8.95 05.05 8.9 g 8.9 9.2 9.10 10.10 9.0

2.83 8 9.6 ~~Curve magn~~ h 9.5

2.77 9 10.8 3

2.78 10 11.2 4

2.39 11 11.8 5 P.C. diff Cu magn

2.91 12 12.2 6 3 -0.47 a 3.82 9.52

2.64 13 12.5 4 -1.89 b 3.60 9.80

1.97 14 13.2 5 -0.34 c 3.85 10.15

2.63 15 13.6 6 d 3.20 10.40

10.45 e 2.97 10.97

f 2.90 11.40

g 2.85 11.95

h 2.81 12.31

Sat Jan 19 1918

Sc R

T Coronae

11.30 mc 12902 Pole

	Sc 1		Sc 2	Dif in Sc 2				PC Sc 2	
5	~~3.6~~							10.8	-3.31
6	5.6 5.3			10.2	05 05 10.25	10.3	-3.~~19~~ 04	11.6	-4.49
7	—			—		—		—	
8	6.7 7.0 ~~7.2~~			12.4	10.10 12.30	12.2	-4.07	13.4	5.~~1~~7
9	6 7.9 7.8			13.0	05 05 13.05	13.1	-4.22	—	
10	8.3 8.0	0.0 8.30	8.3	13.5	05, 05 13.45	13.4	-4-43		
11	9.1 8.8	05, 05 9.05	9.0	f		f			
12			9.4						
13			9.8						
14			10.4						
15			11.0						
16			11.5						
17			12.2						
18			12.6						
19			13.3						
20			f						

Sat Jan 19, 1918

Scale R

T Coronae

MC 12905 | 16 + 25 | alt corr +20

Ref leg pc sif

	Sc1	sc2				12902 Cu	12902 magn	12907 Cu	12907 magn
3	7.8 8.1		—	12.5	13.2	0.90	9.00	0.35	8.45
4	9.1 8.8	0.0 9.10 9.1	9.+	13.6	14.0	0.60	9.70	0.00	9.10
5		10.0	~~14.0~~			0.33	10.33	-0.26	9.74
6		10.6	~~10~~			0.15	10.75	-0.42	10.18
7		11.2				-0.05	11.15	-0.60	10.60
8		12.0				-0.34	11.66	-0.81	11.19
9		13.2				-0.85	12.35	-1.14	12.06
10		f							
11									
12									
13									
14									
15									

Sat Jan 19, 1918

Copied B8'.4

Scale R

T Coronae

	MC 12905		16+25	T Coronae reg.			12902		12907	
	se 1	se 2	Pc	Dif	2	3	cu	magn	cu	magn
a	8.1 7.8		13.5	13.0	13.25	13.5	-4.30	8.95 ~~9.20~~	-437	8.88
b	9.0 0.1 8.7 8.95	8.9	13.8	13.3	13.55 3 2	13.8	-437	9.18	-4.45	9.10
c		9.5		13.9	13.9	—	—		-4.51	9.39
d		10.0					P c			
e		10.5			a					
f		11.1			b					
g		11.6								
h		12.2								

Hazy evening.

	From MC 12902		From 12907	
	cu	magn	cu	magn.
a	0.90	9.00	0.35	8.45
b	0.67	9.62	0.04	8.99
c	0.49	9.99	-0.12	9.38
d	0.33	10.33	-0.26	9.74 9.84
e	0.18	10.68	-0.40	10.10
f	-0.01	11.09	-0.57	10.53
g	-0.20	11.40	-0.76	10.94
h	-0.41	11.79	-0.87	11.33

Sat. Jan. 19 1918

Beale R.

T Coronae

		MC 12907 Primary			Pole P.C.	Pg 83	
		Ac 1		Ac 2	Ac 2. P83		
1.69	5	4.8 4.5			9.1 ~~1.08~~ -2.61	B.	
1.41	6	5.7 5.4			12.1 ~~1.16~~ -4.99	5.6 ~~2.63~~	1.51
—	7	—				— —	
0.32	8	7.9 7.6			13.3 ~~1.34~~ -5.07	7.0 ~~1.83~~	1.23
0.08	9	8.8 8.5	05. 05 8.75	8.7	+	7.9	0.93
-0.18	10			9.2		8.30	0.72
-0.05	11			9.6		9.05	0.50
-0.14	12			10.0		9.4	0.46
-0.30	13			10.6		9.8	0.50
7 -0.~~8~~5	14			11.4		10.4	0.25
-0.82	15			11.9 ~~12.1~~		11.0	0.08
-1.80	16			2 12.~~6~~		11.5	-0.10
0 -.97	17			12.6		12.2	-0.57
-1.34	18			13.4		12.6	-0.54
-1.28	19			13.6		13.3	-0.98
	20	—		7			

Sat. Jan 19.1918

$ calc R

T Coronae

MC 12907 Pole

Diff ser P 83.

	5	10.4	1 2 10.30	10.2	—	— 3.81
	6	11.2	1 1 11.10	11.0	~~10.25~~	— 3.99
	7	—		—		—
	8	12.5	05 05 12.45	12.4	~~12.50~~	— 4.12
	9	13.4	15 05 13.35	13.3	~~13.05~~	— 4.52
	10	13.6	0 00 13.60	13.6	~~13.45~~	4.58
	11	14.0		f	—	4.45
	12	f				
	13					
	14					
	15					
	16					
	17					
	18					
	19					
12.45	20					

Wed. Jan. 23 1918

Scale R   Nova Geminorum no 1 Ref. Seq.

10.30   MC 4837   64 30° PC.   Diff range

(Ld 45:163)

	Sc1		Sc2		Sc2 alt cor +.21	Sc1	Sc2	
1	5.4 5.1			3.53	10.4 1.46	9.9	05 05 4.95 10.0	-0.84
2	6.0 5.7			2.85	10.8 -0.69	10.3	00,00 10.30 10.3	-1.66
3	7.1 6.8			2.48	11.8 -1.96	11.4	05 05 11.45 11.5	-1.34 -1.~~34~~
4	Var			—	—	—	—	—
5	8.7 8.4	05 05 8.75	8.8	2.64	13.8 -2.42	13.2	05 05 13.25 13.3	-1.70
6			9.6	2.45	+	7		
7			10.5	1.98				
8			11.2	1.83				
9			11.6	2.33				
10			12.2	2.17				
11			12.5	2.19				
12			12.8	2.00				
13			13.4	1.83				
14			13.5	1.94				
15			14.1	1.57				

Wed. Jan 23, 1918

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Scale R. Nova Geminorum no 1.

MC 4837 Nova Geminorum #1.

	Sc 1		Sc 2	cu	magn.	P.C.	cu	magn	Diff.	05 05 785	cu	magn.
a	2.8 2.5					8.1			7.9	7.8		
~~b~~	8.6					~~9.~~			~~8.5~~	05 05 ~~845~~		
c	4.1 3.8					9.5			9.0	00 00 9.00 9.0		
d	5.4 5.1			3.14	8.54	10.4	-0.92	9.48	~~9.9~~	00,00 9.90 9.9	-0.91	8.99
e	58 5.5			3.00	8.80	10.9	-1.30	9.60	10.4	00,00 10.40 10.4	-1.03	9.37
f	63 6.0			2.85	9.15	11.4	-1.59	9.81	10.8	05 05 10.85 10.9	-1.16	9.69
g	60 5.7			2.96	8.96	11.1	-1.42	9.68	10.5	00,00 10.50 10.5	-1.07	9.43
h double				—	—	—			—			
h'	8.1 7.8			2.52	10.62	12.4	-2.05	10.35	11.3	05 05 11.35 11.4	-1.31	10.04
l	7.6 7.3			2.56	10.16	12.0	-1.90	10.10	11.2	00,00 11.20 11.2	-1.25	9.95
k	8.1 7.8			2.52	10.62	12.4	-2.05	10.35	11.3	10 10 11.40 11.3	-1.30	10.10
m	8.3 8.0	05,05 8.25	8.2	2.51	10.76				12.6	05 05 12.55 12.5	-1.57	10.98
n	9.1 8.8	10,10 9.00	8.9	2.47	11.47							
o			9.0	2.47	11.47							
p			9.3	2.47	11.77							
q			9.8	2.37	12.17							
r			10.5	2.29	12.79							
t			10.8	2.23	13.03							
s			12.4	2.10	14.50							
u			10.4	2.30	12.70							
y			11.9	2.17	14.07							
w			11.2	2.20	13.40							
x			11.9	2.17	14.07							
z			12.2	2.14	14.34							
α			12.4	2.10	14.50							
β			12.0	2.15	14.15							
γ			12.8	2.07	14.87							
δ			13.3	1.96	15.26							
ε			13.8	1.84	15.64							

P. 10

Saturday Jan 26, 1918

Scale R

11.00

MC Series 169

		MC 4396			Pole			~~[illegible] .04~~				
					MC4402 p93.			P.C.			MC 4402 p93	
		Sc1	Sc2					Sc2.				
	5	B		B	B			7.0	-0.61	7.50	25 25 7.25	-0.76
	6	B.			B			8.0	-0.69 ~~[illegible]~~	8.05	02 03 8.02	-0.91
Remeasured Jan. 29	7							—				
4.0 3.7	8	4.6 4.3			3.8	10, 10 3.90	4.33	9.1	-0.87	9.25	08 07 9.18	-0.95
4.3 4.2	9	5.6 5.3			4.3	10, 10 4.40	4.43	10.1	-1.27	9.5	30 30 9.80	-0.97
5.3 5.0	10	6.1 5.8			5.3	00, 00 5.30	3.72	11.3	-2.28	10.2	65, 55 10.75	-1.73
6.1 5.8	11	6.1 5.8			6.3	10 10 6.20	3.35	11.4	-1.86	10.9	20, 25 11.15	-1.60
	12	6.6 6.3			6.7	05 05 6.75	3.65	11.8 ?	-1.94 ?	11.4	20, 20 11.60	-1.74
	13	7.3 7.0			7.3	00, 00 7.30	3.35	12.5?	-2.20	12.2	~~[illegible]~~ 15 15 12.36	~~-2.05~~
	14	7.9 7.6	7.7	11 7.80	7.7	05, 05 7.75	2.90	13.1	-2.45	12.6	25 25 12.85	2.05
	15	8.3 8.0	8.0	15 15 8.15	8.25	05 05 8.20	2.88	f		13.2	2 13.2	2.12
	16	9.1 8.8	8.9	10 10 9.00	8.75	13 12 8.87	2.53					
	17		9.4		9.1	15, 15 9.25	2.38					
	18		9.8		9.6	10, 10 9.70	2.36					
	19		10.0		10.1	05 05 10.05	2.37					
	20		10.3		10.5	10, 10 10.40	2.33					
	21											
	22											
	23		11.5		11.5	00, 00 11.50	1.84					
	24											
	25		12.0		12.0	00. 00 12.00	1.87					
	26		12.5		12.4	05, 05 12.45	1.88					
	27		12.7		13.0	15 15 12.85	1.84					
	28		13.1		13.4	15, 15 13.25	1.86					
	29		13.5		13.8	15 15 13.65	2.01					
	30		14.0		14.3	15, 15 14.15	1.89					

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Sc R. MC Series 169 alt corr .04

MC 4397 $6^{h}18^{m}-2^{\circ}.1$ V Monocerotis.

	sc 1		sc 2	cu	magn.	Sc 1		sc 2	cu	magn.
						PC		PC		
a	B					65 6,2				
b	B					7.6 7.3			-0.74	6.86
c	B					8.2 7.9	05 05 815	8.1	-0.85	7.30
e	3.7 3.4			4.52	8.22	~~9.0~~?		9.3	-1.13	8.17
d	4.3 4.0			4.27	8.57			9.2	-1.10	8.10
f	4.8 4.5			4.09	8.89			9.5	-1.19	8.31
g	5.2 4.9			3.93	9.13			~~9.5~~ 10.0	-1.33	8.67
h								11.0	-1.62	9.38
K.	6.6 6.3			3.43	10.03			12.0	-1.89	10.11
n	7.2 6.9			3.20	10.20			12.8		
p	8.0 7.7			2.94	10.94					
o	7.8 7.5			3.00	10.80					
m	8 3 8.0	05, 05 8.25	8.2	2.92	11.17					
q	8.6 8.3	20 20 8.80	9.0	2.68	11.48					
q'			9.5	2.45	11.95					
s			10.3	2.24	12.5~~7~~					
t			10.7	2.14	12.84 ~~10.14~~					
r			10.1	2.19	12.29					
u			10.8	2.11	12.91					
w			11.9	1.90	13.80					
x			12.2	1.90	14.10					
y			13.0	1.90	14.90					
z			13.3	1.93	15.23					

l see note on cover double

Sat Jan 26 1918

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Seale R.

MA series 169   alt corr +.22

MC 4398   Nova Geminorum no 1 $6^{h}38$ + 30°

	sc1	sc2	Cu	magn.		P.C. sc1	P.C. sc2	Cu	magn.
a	B				a	8.3 0.0 8.0 8.30	8.3	-0.88	7.42
b	B					8.6 05 05 8.65			
c	B				b	8.3	8.7	-0.97	7.68
d	5.1 4.8		3.97	9.67	d		10.2	-1.40	8.80
e	5.6 5.3		3.78	9.38	e		10.8	-1.57	9.23
f	6.0 5.7		3.66	9.66	f		11.0 ?	-1.61	9.39
f'	7.0 6.7		3.29	10.29	f'		12.3	-1.94	10.36
g	5.9 5.6		3.68	9.58	g		11.2	-1.68	9.52
h	double		–	–	h		—	—	—
h'	6.2 5.9		3.57	9.77	h'		12.1	-1.90	10.20
l	7.1 6.8		3.25	10.35	l		12.7	-2.02	10.68
l'		9.8	2.37	12.17	l'		—		
k	7.3 7.0	—	3.18	10.48					
m	7.8 7.5	—	3.00	10.80					
n	8.2 05,05 7.9 8.15	8.1	2.89	11.04					
o	8.8 05,05 8.5 8.75	8.7	2.69	11.44					
p	9.2 05,05 8.9 9.15	9.1	2.57	11.72					
q		9.2	2.55	11.75					
r		9.6	2.43	12.03					
t		10.1 ~~11.2~~	2.39	12.49					
s		10.4	2.21	12.61					
u		10.6	2.17	12.77					
y		11.5	1.97	13.47					
w		11.0	2.08	13.08					
x		11.4	1.99	13.39					
z		11.6	1.95	13.55					
α		11.9	1.90	13.80					
β		12.1	1.90	14.00					
γ		12.5	1.90	14.40					
δ		13.1	1.91	15.01					
ε		13.6	1.97	15.57					

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Sc R

Mc Series 169

	Ms 4~~399~~402			Pole ~~SC 1465~~	~~6?47 + 0°.6°~~		
					Sc1		Sc2
	Sc1		Sc2	Ett	P.C.		P.c
5	B				7.6 7.3	10, 10 7.50	7.4
6	B				8.1 7.8	05, 05 805	8.0
8	3.8 3.5				9.5 9.2	25 25 9.25	9.0
9	4.3 4.0						9.5
10	5.3 5.0						10.2
11	6.3 6.0						10.9
12	6.7 6.4						11.4
13	7.3 7.0						12.2 ?
14	7.7 7.4						12.6
15	8.3 8.0	05, 05 8.25	8.2				13.2
16	8.8 8.5	05 05 8.75	8.7				—
17			9.1				
18			9.6				
19			10.1				
20			10.5				
~~21~~			~~10.8~~				
23			11.5				
25			12.0				
26			12.4				
27			13.0				
28			13.4				
29			13.8				
30			14.3				

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Monday Jan 28 1918

Scale R

MC Series 169

9.00

	MC 4396				Pole	P.C.			PC			
	sec 1	sec 2	MC 4402 P99			sec 1	MC 4402 P99			sec 2		
5	B		B			7.4 7.1	7.2	05 05 7.15		7.5	05 05 7.45	-0.96
6	B		B			7.9 7.6	7.8	10 10 7.70		8.1	10 10 8.00	-0.89
7						—						
8	3.9 3.6		4.1	10 10 4.00	4.23	9.3 9.0	9.0	05 05 9.25	9.2	9.15	05 05 9.20	-0.87
9	4.9 4.6		5.2	15, 15 5.05	3.78				9.7	10.1	20 20 9.90	-1.07
10	5.3 5.0		6.0	35, 35 5.65	3.37				10.3	10.6	15, 15 10.45	-1.43
11	6.2 5.9		6.4	10, 10 6.30	3.25				10.9	11.3	20 20 11.10	-1.55
12	6.9 6.6		6.8	05 05 6.85	3.01				11.5	11.8	15, 15 11.65	-1.79
13	7.3 7.0		7.3	00,00 7.30	3.00				12.1	12.3	10 10 12.20	-1.90
14	7.8 7.5		7.8	00,00 7.80	2.85				12.6	12.7	05 05 12.65	-2.00
15	8.3 8.0	15 15 8.15 8.0	8.30	07 08 8.22	2.86				13.2	13.2	0 0 13.20	-1.92
16	8.7 8.4	2 2 8.50 8.3	8.80	15 15 8.65	2.75				f	13.7	.a 13.7	2.30
17		8.8	9.2	20 20 9.00	2.63							
18		9.4	9.8	20 20 9.60	2.46							
19		10.4	10.3	05 05 10.35	2.07							
20		10.8	10.7	05, 05 10.75	1.98							
23		11.4	11.1	15, 15 11.25	2.04							
25		12.1	11.6	25 25 11.85	2.02							
26		12.4	12.2	10, 10 12.30	2.03							
27		12.6	12.6	00 00 12.60	2.09							
28		13.1	12.9	10, 10 13.00	2.11							
29		13.7	13.4	15 15 13.55	2.11							
30		14.2	14.2?	00,00 14.20	1.84							

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Scale R

MC Series 169 att cont + 07

	MC 4399	GC 1465		$6^h 47$ +0°.6	
	sc1 sc2	Cu. Magn.		P.C. sc2	Cu. magn.
a	B			8.8	−0.97 7.83
a'	B			PC superposed on another star.	
a²	B			9.4?	−1.07 8.33
b	8 ~~3.9?~~			10.1	−1.23 8.97
c	5.2 ~~4.9~~	3.71	8.91	11.2	−1.60 9.60
c¹	4.4 4.1	4.06	8.46	10.3	−1.30 9.00
c²	4.8 4.5	3.87	8.67	11.4	−1.67 9.73
c³	5.5 5.2	3.59	9.09	c³ 11.2	−1.60 9.60
c⁴	6.0 6.8	3.29	9.59	12.0	−1.86 10.14
d	5.8 6.1	3.38	9.49	11.8	−1.80 9.80
d'	5.5 5.8	3.48	9.28	11.4	−1.67 9.73
d²	6.8 7.1	3.03	10.13	P.C. superposed on another star image	
d³	6.7 6.4	3.16	9.86	12.2	−1.90 10.30
d⁴	6.7 6.4	3.16	9.86	12.4	−1.97 10.43
d⁵	6.8 6.5	3.14	4.94	12.8	−2.05 10.75
e	7.0 6.7	3.07	10.07	12.7	−2.03 10.67
e'	7.7 7.4	2.84	10.54	13.0	−2.09 10.91
f	7.8 7.5	2.82	10.62	13.2	−2.12 11.08
g	8.2 20, 20 7.9 8.00 7.8	2.78	10.78	13.3	−2.13 11.17
h	80 05 05 7.7 8.05 8.1	2.76	10.81	13.5	−2.17 11.33
h'	7.9 7.6	2.79	10.69	PC superposed on another star image	
h²	8.3 05 05 8.0 8.25 8.2	2.68	10.93		
k	8.5 05, 05 8.2 8.45 8.4	2.64	11.09		
k'	8.3 0, 0 8.0 8.30 8.3	2.67	10.97		
l	8.4 05 05 8.6 8.95 9.0	2.50 ~~2.27~~	11.45 ~~11.22~~		
m	9 9.5	2.37	11.87		
n	10.0	2.26	12.26		
o	10.6	2.13	12.73		
p	11.2	2.09	13.29		

		Cu. magn.	
q	12.0	2.05	14.05
r	12.9	2.05	14.95
s	13.5	2.05	15.55

Monday Jan 28 1918

Scale R — MC Series 169 — Alt corr +1.23

MC 4460 — UW Aurigae 6h50 + 41°.0

	se1	se2	cu	magn	P.C.	cu	magn.
a	B				8.8	-0.97	7.83
b	B				9.5	-1.09	8.41
c	5.6 5.3		3.56	9.16	10.6	-1.40	9.20
d	6.2 5.9		3.34	9.54	11.5	-1.70	9.80
e	7.2 6.9		3.00	10.20	12.2	-1.90	10.30
f	7.6 7.3		2.87	10.47	12.7	-2.03	10.67
g	8.9 .90-.05 8.6 8.95	9.0	2.50	11.45	no PC?		
h		9.5	2.37	11.87	13.3 ?	2.13	11.17
k		10.1	2.24	12.34			
l		10.5	2.16	12.66			
m		11.0	2.10	13.10			
n		11.5	2.08	13.58			
o		11.9	2.05	13.95			
p		12.2	2.05	14.25			
q		12.9	2.05	14.95			
r		13.2	2.05	15.25			
s		13.3	2.05	15.35			
t		13.8	2.05	15.85			

Monday Jan 28, 1918

Beale R

MC Series 169 [illegible] .18

MC 4401 D4 4h 00 −15°.0

	RC1 RC2	cu	magn		RC RC2	cu	magn.	
								52
5	B	–		1	8.2	−0.91	7.29	33
6	B.	–		2	9.0	−1.00	8.00	8
7	4.3 4.0	4.19	8.49	3	8.5	−0.92	7.58	
8	5.0 4.7	3.79	8.79	4	9.0	−1.00	8.00	
9	B	–		5	~~9.4~~	−1.16	8.64	
10	5.2 4.9	3.70	8.90	6	9.7 ~~9.4~~	−1.13	8.57	
11	5.8 5.5	3.48	9.28	7	10.0	−1.20	8.80	
12	6.2 5.9	3.34	9.54	8	10.4	−1.32	9.08	
13	6.9 5.6	3.45	9.35	9	9.8	−1.15	8.65	
14	6.8 6.5	3.12	9.92	10	10.3	−1.30	9.00	
15	6.5 ~~[illegible]~~ 68	3.12	9.92	11	10.5	−1.36	9.14	
16	70 6.7	3.06	10.06	12				
17	7.2 6.9	3.00	10.20					
18	7.6 7.3	2.87	10.47					
19	7.8 7.5	2.81	10.61					
20	8.1 7.8	2.73	10.83					
21	8 4 15/24 15 8.1 8.25 8.1	2.68	10.93					
22	8.8 0 6 8.5 8.80 8.8	2.53	11.33					
23	9.2 05 05 8.9 9.25 9.3	2.42	11.67					
24	9.3	2.41	11.71					
25	10.0	2.25	12.25					
26	9.9	2.28	12.18					
27	10.5	2.16	12.66					
28	10.7	2.18	12.83					
29	11.1	2.10	13.20					
30	11.0	2.10	13.10					
31	12.0	2.05	14.05					

Monday Jan 28 1918 ~~18 1898~~

Scale R

MC series 169

	MC 4401	Cent cm	R magn.	D_4
32	12.3	2.07	14.37	
33	12.5	2.06	14.56	
34	12.8	2.05	14.85	
35	12.7	2.05	14.75	
36	—			
37	f			
38	14.2°,	2.05	16.25	
39	f			
40	f			

Monday Jan. 28, 1918

Scale R — MC Series 169

	MC 4402		Pole	PC	
	sc1	sc2		sc1	sc2
5	8			5 7.2	
6	8			8' 7.8	
8	4.1 3.8			~~9.2~~88 ~~8.8~~ 9.1	05, 05 9.15	9.2 ~~10.1~~
9	5.2 4.9				10.1
10	6.0 5.7				10.6
11	6.4 6.1				11.3
12	6.8 6.5				11.8
13	7.3 7.0				12.3
14	7.8 7.5				12.7
15	83 8.80 80	8.3			13.2
16	8.5 8.80 8.5	8.8			13.7
17		9.2			
18		9.8			
19		10.3			
20		10.7			
23		11.1			
25		11.6			
26		12.2			
27		12.6			
28		12.9			
29		13.4			
30		14.2?			

12:30

See Note at bottom of page.

Tuesday Jan 29 1918

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Scale R.

Nova Sag. no 1.

10:15 MC 5614 18h50 −12°.5 alt −.03

U Scuti

	se1	se2		PC
a	5.0 4.7			10.8 -1.31
b	6.1 5.8		2.92	11.8 2.85
c	83 8.0	05 05 8.35 8.4	2.29	f
d	7.9 7.6	00,00 7.90 7.9	2.06	13.9
d'	9.0 8.7	05 05 9.05 9.1	1.89	—
e		10.0	1.77	
e'		10.5	1.48	
f		11.1	1.74	
g		11.5	1.45	
h		11.9	1.28	
k		12.3	0.88	
l		12.7	0.78	
m		13.2	0.89	
n		13.6	0.82	
o		13.9	0.52	
p		14.0	...	
q		14.5?	...	
Vr	f			

Nova Sag #1

	se1 se2				PC.
a	—	au magn.			—
?b	—				—
c	B				6.8
d	—				—
e	B				8.8
f	B				9.5
g	4.8 4.5				10.1 ~~9.7~~
h	6.1 5.8		2.88	8.98	11.5 ~~9.5~~
k	6.9 6.6		2.57	9.47	12.2 ~~9.7~~
l	7.6 7.3		2.33	9.93	13.0
m	81 7.8		2.18	10.28	—
n	85 8.2	05 05 8.45 8.4	2.08	10.53	
o	8.9 8.6	10 10 9.00 9.1	1.94	10.94	
p		9.5	1.80	11.30	
q		9.8	1.73	11.53	
r		10.6	1.52	12.12	
s		11.5	1.30	12.80	
t		12.3	1.10	13.40	
u		13.4	0.80	14.20	
w		13.8	0.70	14.50	
x		14.0	0.66	14.66	
y		14.4?			

n o p & q very faint

NB. a, b, d not on plate

No correction for altitude is necessary since the magnitudes for Nova Sag. No. 1 are relative to U Scuti to which the correction has already been applied. M. A. B. Jan. 27, 1921

Copied 9.20 x

See note at bottom of p.100

Tuesday January 29, 1918

Sc R

MC 5899 18h50 -12°.5 alt -.13

U Scuti

	Sc1	Sc2		P.C.	
a	4.9 4.6		3.70	9.8	-1.60
b	6.1 5.8		3.17	10.9	-2.34
c	8.3 8.0	15,15 8.15 8.0	2.28	12.9	-2.60
d	7.9 7.6	05,00 7.85 7.8	2.38	—	
d'	8.8 8.5	05,05 8.75 8.7	2.18		
e		9.1	2.41		
e'		9.5	2.60		
f		10.5	1.95		
g		10.8	2.35		
h		11.0	2.24		
k		11.3	2.03		
l		11.6	1.73		
m		11.8	1.62		
n		12.2	1.96		
o		12.5	1.66		
p		12.7	1.46		
q		13.1	1.63		
r		13.5	1.60		

Nova Sag #1

	sc1	sc2	Cu.	magn.
c	8			
e	8			
f	8 :			
g	4.6 4.3			
h	6.3 6.0		3.11 ~~32~~	9.41
k	6.7 6.4		2.93	9.63
l	7.2 6.9	9	2.72	9.92
m	7.8 7.5		2.55	10.35
n	8.2 7.9	15,15 8.05 7.9	2.48	10.53
o	8.6 8.3	~~05~~ 05 8.65 8.7	2.36	11.01
p	~~8.9~~	8.9	2.30	11.20
q	~~9.6~~	9.6	2.20	11.80
r	~~10.4~~	10.4	2.10	12.50
s		10.8	2.08	12.88
t		11.3	1.97	13.27
u		11.9	1.86 ~~1.36~~	13.76 ~~13.26~~
w		12.0	1.73	14.23
x		12.8	1.68	14.48
y		13.2	1.60	14.80
z				

P.C.	Cu.	magn.
7.0 6.7		
8.8 8.5		
9.0		
9.5	-1.60	7.90
10.3	-1.97	8.33
11.2	-2.32	8.88
11.8	-2.48	9.32
12.5	-2.60	9.90
12.8	-2.64	10.16.

Images badly distorted.

R.10 a b d not on plate

See Note on bottom of page 100

Tuesday January 29, 1918

copied 9:204

Scale R

Nova ~~Sagittarius no~~ 1.

2:00	U Scuti				MC5921	nova Sagr. alt -.13						
		sc1	sc2		PC scr		sc1	sc2			P.C. sc2	cn magn sc1
	a	4.8 4.5		–	10.1 1.67	c	B		cn magn.			6.8 7.5
	b	6.0 5.7		3.22	11.0 -1.90	e	B				8.4	
	c	8.1 7.8		2.28	12.6 2.03	f	B				9.5	
	d	7.6 7.3		2.66	12.3 -1.67	g	B				9.8	
	d'	8.1 7.8		3.06	12.5	h	6.1 5.8		3.02	9.12	11.0	-1.80 9.20
	e	8.8 8.5	10 10 8.90 9.0	2 72		k	6.9 6.6		2.95	9.85	12.2	-1.86 10.34
	i	9.4 9.1 9.35	05, 05 9.3	2.84		l	7.2 6.9		2.91	10.11	12.5	1.86 10.74
	f		9.9	2.40		m	7.8 7.5		2.85	10.65	13.0	
	g		10.3	2.46		n	8.1 7.8		2.80	10.90	—	
	h		10.8	1.96		o	8.6 8.3 8.55	05 05 8.5	2.73	11.28		
	k		11.2	2.14		p		9.2	2.60	11.80		
	l		11.6	1.85		q		9.7	2.48	12.18		
	m		12.0	1.70		r		10.0	2.40	12.40		
	n		12.4	1.69		s		10.7	2.16	12.86		
	o		12.7	1.25		t		11.3	1.97	13.27		
	p		13.0	1.48		u		12.0	1.70	13.70		
	q		13.3	1.35		w		12.8	1.47	14.27		
	r		13.8	1.32		x		13.4	1.35	14.75		
						y		13.8	1.30	15.10		

3.00

Thursday Jan. 31 1918

Nova Aquilae No 1.

Scale R
11:15
~~10:30~~

. MC 11409 19h 07 0.3 diff alt corr. -01 ~~Nova Aquil~~

Only one Ble plate measured

2 Ks (L 51:134)

	ser 1	Ser 2				
*	6.7			P.C 12.50 − 2.69	05 11.25 05	
1	6.4			12.5 12.5 (diffic	11.2 11.3	a
	7.8			13.40	20 26 12.30	
2	7.5			13.4 13.4 −3.00	12.1 12.5 05 13.05 05	b
3	8.4 05.05 8.3 8.1 8.35 ~~8.4~~		1.95 f		13.0 13.1	c
4	9.0 05.15 8.7 ~~8.8~~ 8.7 8.85		1.78		13.50 13.5 13.5	d
5		9.5	2.00		13.7 f	e
6		10.3	2.13			f
7		10.9	1.70			g
8		11.7	1.47			h
9		12.4	1.45			k
10		12.7	1.25			l
11		13.1	1.22			m
11a		12.8	1.33			
12		13.4	1.31			n
13		13.5	1.40			o
14		13.7	1.30			p
15		13.8	1.30			q
						r
						s
						t
						u
						w.

* PC 1 very near star.

Copied 9:25

Thursday Jan 31, 1918

Scale R

Nova Aquilae No 1.

Nova Aq. #1. MC 11409 [Only on Ole plate) Alt corr. -.01

	sc1	sc2		L magn.	P.C.		diff	
					9.20		05 05 7.88	
a	B				9.2	9.2	7.9	7.8
					85 10 11.35		05 05 10.25	
b	59 5.6				11.2	11.5	10.2	10.3
	5.6				15 15 11.35		05 05 10.25	
c	5.8				11.2	11.5	10.2	10.3
	6.7				15 15 11.65		05 05 10.65	
d	6.4				11.5	11.8	10.6	10.7
	6.2				10 10 12.10		05 05 11.05	
e	5.9				12.0	12.2	11.0	11.1
	7.2				13.20		05 05 12.15	
f	7.0				13.2	13.2	12.2	12.1
	7.8						12.50	
g	7.5						12.5	12.5
	80	8.00						
h	7.7	80	1.74	9.74				
	85	10 10						
k	82	860 8.5	1.92	10.52				
l		9.1	1.98	11.08				
m		9.6	2.00	11.60				
n		10.1	1.97	12.07				
o		9.9	2.00	11.90				
p		10.5	1.86	12.36				
q		11.1	1.68	12.78				
r		11.6	1.54	13.14				
s		12.2	1.41	13.61				
t		12.4	1.37	13.77				
u		12.7	1.32	14.02				
w		12.7	1.32	14.02				

12:40

Friday Feb. 1, 1918

De: R

Nova Aquilae No 1

9:50 2KA (L51;55) MC10961 19^h09 $-1^\circ3$ alt corr +.05

	sc1	sc2			ce. magn. P.C			Diff
* 1	6.8 6.5				12.5	11.8	11.8	0 0 11.80
2	7.9 7.6			1.46	no?	12.4	12.5	05 05 12.45
3	8.5 8.2	8.5	0.0 8.50	1.45		13.4	3 12.3	05.05 13.35
4	9.0 8.7	9.1	9.05	1.28				
5		9.8		1.22				
6		10.5		1.16				
7		11.0 ~~10.8~~		1.06				
8		11.7		1.20				
9		12.2		1.15				
10		12.7		0.92				
11		13.2		0.60				
11a		12.9		1.34				
12		13.4		0.75				
13		13.4		0.75				
14		13.6?		0.82				
15		f						

* P C, very near star

Copied 9:215

Friday Feb. 1 1918.

Sc R

Nova Aquilae No 1 Mc 10961 cont Diff. ~~abs~~ Corr. +.05

Sc1 Sc2, Sc Cu L. magn PC

a	B						8.80 8.8 8.8	7.8	7.6	10,10 7.70
b	6.1 58						11.50 0.0 ?11.5? 11.5?	10.6	10.3	15 15 10.45
c	6.1 58						05 .5 11.35 11.3 11.4	10.6	10.5	05 05 10.55
d	6.8 6.5						05 .. 11.75 11.7 11.8	11.0	10.8	10,10 10.90
e	6.4 6.1						0.0 12.10 12.1 12.1	11.4	11.6	10 10 11.50
f	7.3 7.0						13.00 13.0 13.0	12.5	12.3	10,10 12.40
g	7.8 7.5	7.8		0.0 7.80	1.48	9.28	+	13.0	13.0	0.0 13.00
h	8.0 7.7	8.2	7.9	03 17 13 8.03	1.45	9.48				
k	8.4 7 8.8	8.9 ~~9.2~~	8.8	1 1.0 8.80	1.35	10.15				
l		9.5	9.4	05 03 9.45	1.28	10.73				
m		9.8	9.7	05 05 9.75	1.23	10.98				
n		10.1 ~~9.7~~	10.2	05 05 10.15	1.20	11.35				
o		10.1 ~~9.6~~	10.5	20 20 10.30	1.19	11.49				
p		10.8	10.8	0 0 10.80	1.15	11.95				
q		11.5	11.3	10,10 11.40	1.11	12.51				
r		12.0 ~~12.0~~	11.9	05, 05 11.95	1.09	13.04				
s		12.4	12.3	05, 05 12.35	1.06	13.41				
t		12.5	12.5	0,0 12.50	1.04	13.54				
u		12.9 ~~12.5~~	12.8	05, 05 12.85	1.01	13.86				
~~x~~										
w		12.7	12.6	05, 05 12.65	1.02	13.67				

l measured as 0

u " as n

Friday Feb. 1, 1918

Scale R

Nova Aquilae No 1

mc 5905

(2 Els (08:92)

alt. +.02

PC

sc1 sc2

10,10
10.3 10.5 10.40 − 0.14

05,05
11.3 11.2 11.25 − 1.34

f.

5.8 5
1 5.7 3.12

6.4
2 6.1 3.20

7.2
3 6.9 3.15

7.7
4 7.4 2.72

8.4 10,10
5 8.1 8.2 8.30 2.75

9.1 05,05
6 8.8 9.2 9.15 2.55

7 9.6 2.12

8 10.2 2.94

9 10.7 2.53

10 11.5 1.90

11 12.1 1.90

11a 12.3 - - - -

12 x $12.\overset{8}{0}$ 1.29

13 12.8 1.43

14 13.1 1.82

15 13.5

108

Friday ~~Mar~~ Feb 1, 1918

Copied 9:215

Scale R. — Nova Aquilae No 1

MC5905 — cont. L. — P.C. — alt +.02

		sc1.	sc2.		cu.	magn.		7.4		cu	magn.
		sc1									
	a	B	B				7.4	10.3 74	0,0 7.40		
	b	~~B5~~	4.5				10.2?	10.2 10.3	25 05 10.25	0.00	10.25 e
	c	4.2?	4.7				10.2	10.2	0 0 10.20	0.02	10.22 e
	d	45?	5.2				10.4	10.6	10,10 10.50	-0.03	10.47
	e	5.0?	50?				11.2	10.8	20, 20 11.00	-0.09	10.91 e
05, 05 6.55	f	6.3 6.3	6.5 05, 05 6.2	~~9.75~~	3.12	9.67	11.6	11.5	05, 05 11.55	-1.32	10.23 e
0, 0 7.30	g	7.3 7.0	7.3 7.0	~~7.00~~	3.00	10.30	12.5	12.5	0, 0 12.50		
05, 05 7.75	h	7.7 7.4	7.8 7.5		2.94	10.69	13.2	13.1	05, 05 13.15		
07, 07, 13 8.03	k	8.1 7.8	8.1	7.9	2.87	10.90					
1, 1, 2 8.20	l	8.3 8.0	8.3	8.0	2.84	11.04					
2, 1, 1 8.30	m	8.5 8.2	8.2	8.2	2.82	11.12					
25, 25 8.95	n		9.2	8.7	2.70	11.65					
15, 15 9.05	o		8.9	9.2	2.68	11.73					
0, 0 9.50	p		9.5	9.5	2.60	12.10					
1, 1 10.30	q		10.4	10.2	2.42	12.72					
0, 0 10.80	r		10.8	10.8	2.30	13.10					
05 05 11.15	s		11.1	11.2	2.20	13.35					
0, 0 11.50	t		11.5	11.5	2.06	13.56					
1 1 11.80	u		11.7	11.9	1.94	13.74					
15, 15 11.65	w		11.5	11.8	2.00	13.65					

12.25

Saturday
~~Friday~~ Feb. 2, 1918

Scale R Measures for Sequence for T Coronae Bor.

10 ^{00} MC 12614 Pole

	Sc1	Sc2			PC Sc1	Sc2		Diffraction			
5	B				6 7.9	7.2	-0.71	7.3	7.8	25 25 7.55	-1.06
6	B					5 -9.8	-2.39	8.2 ~~9.0~~	8.3	05 05 8.25	-1.14
8	5.3 5.0			2.93 ~~3.23~~		11.0	-2.77	10.1	10.2	05 05 10.15	-1.92
9	6.3 6.0			2.53 ~~2.83~~		12.2	-3.37	11.0	11.0	0,0,0 11.00	-2.17
10	6.5 6.2			2.52 ~~2.82~~		12.6	-3.58	11.4	11.5	05 05 11.45	-2.43
11	7.2 6.9			2.35 ~~2.65~~		13.1	-3.55 ~~4.85~~	12.1	12.1	0,0 12.10	-2.55
12	7.7 7.4 ~~8.7~~			2.16 ~~2.46~~		f		12.5	12.5	0,0 12.50	-2.64
13	8.2 7.9	8.0	10,10 8.10	2.10				13.0	13.0	0,0 13.00	-2.35
14	8.7 8.4	8.8	05 05 8.75	1.90				f	f		
15		9.3		1.78							
16		9.9		1.50							
17		10.2		1.43							
18		10.8		1.26							
19		11.1		1.32							
20		11.5		1.23							
23		12.1		1.24							
25		13.0		0.87							
26		13.3		1.03							
27		13.7		0.99							
28		f									
29		f									
30		f									

Saturday Feb. 2, 1918. Copied

38ʹ.4

Scale R T Coronae.

MC 12610 16h + 25°.0 alt corr. +.20

				cu.	mgn.	PC Diff			cu	magn.
	Rel	rel 2								
a	6.4 6.1			2.59	8.99	11.5	11.6	05,05 11.55	−2.38	9.17
b	7.2 6.9			2.37	9.57	12.0	12.1	05,05 12.05	−2.57	9.48
c	7.7 7.4	05,05 8.15		2.20	9.90	12.5	12.6	05 05 12.55	−2.60	9.95
d	8.2 7.9		8.2	2.07	10.22	13.0	13.0	00,00 13.00	−2.56	10.44
e	8.6 8.5	00,00 8.80	8.8	1.87	10.67	13.5	13.7	10,10 13.60		
f			9.5	1.67	11.17	f				
g	~~10.1~~		10.1	1.50	11.60					
h			10.6	1.37	11.97					

11:15

Monday Feb. 4 1918

Scale R ~~7 Co[illegible]ae~~ Nova Aquilae No 2.

10.00 MC 5898 $18^{h}\cdot48^{-} - 3^{\circ},8$

4/6 K's (08:83)

	sec 1	sec 2	PC	
1	5.3		10.5	10.5
2	5.5		10.8	10.7
3	6.8		12.1	12.1
4	7.9	8.0	13.1	12.8
5	8.6	8.5	13.5	13.2
6		8.9	f –	–
7		9.8		
8		10.1		
9		10.5		
10		10.9		
11		11.4		
12		11.5		
13		11.9		
14		12.4		
15		12.8		
16		13.0		

Monday Feb. 4, 1915

Scale R

Mc 5898 cont

Rel. scs.

a	4.9
b	5.5? ~~5.6?~~
c	5.8?
d	6.3
e	6.7
f	6.5?
g	too near edge -
h	7.7
k	7.9
l	7.5?
m	
n	
o	
p	
q	
r	
s	
t	
u	
v	
x	

11.00

Measures of sequence for Nova Aquilae extremely difficult as the sequence is very near the edge of the plate -

Tuesday Feb 5 1918

Copied 9.205

Sc. V

Nova Aquilae No 2

9.40

MD 6074

(465Ca)

	sc1	sc2	Obs 9.76
1	6.6 6.5		1.92
2	6.7 6.6	9.0 6.70 6.7	1.95
3		8.0	1.94
4		8.5 8.2	2.06
5		9.0	2.12
6		9.3	1.98
7		9.5	2.20
8		9.7	2.32
9		9.9	2.40

19h 00 — 5°.0. altcorr. −.01

Nova Aquilae No 2

	sc1.	sc2.	Ca	magn.
a	6.3 6.2		1.96	8.26 e
b	6.9 6.8	05.05	1.96	8.86
c	7.4 7.3	7.35 7.3	1.94	9.29
d		7.4	1.94	9.34
e		7.5	1.95	9.45
f		8.0	1.97	9.97
g		8.2	1.99	10.19
h		8.3	2.00	10.30
k		8.5	2.01	10.57
l		8.6	2.02	10.62
m		9.4	2.16	11.56
n		9.8	2.32	12.12
o		10.1	2.45	12.55

PC Wr faint

Tuesday Feb 5 1918

Copied 9:205

Ac. V.

Nova Aquilae No 2

MD5667 46.5s.	Bx19.76	1900 − 5.0 Nova Aquilae No 2 sel. sc2.		Cu	L magn.	At ovr. .00
1 6.1 6.0	2.42	a	5.3 5.2	2.44 e	7.84 e	
2 6.1 6.0 10 10	2.55	b	6.6 6.5	2.51	9.11	
3 7.3 7.40 7.2 7.5	2.54	c	6.9 6.8	2.51	9.41	
4 8.0	2.56	d	7.1 7.0	2.52	9.62	
5 8.6	2.52	e	10 10 7.3 7.20 7.2 7.1	2.52	9.72	
6 9.0	2.28	f	8.0	2.52	10.52	
7 9.5	2.20	g	7.5	2.52	10.02	
8 9.5	2.52	h	7.8	2.52	10.32	
9 f		k	7.9	2.51	10.41	
		l	8.2	2.50	10.70	
		m	8.8	2.47	11.27	
		n	f	--	—	
		o	9.5	2.87	11.87	

11.00

RC f

Wednesday Feb. 6, 1918

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Se V.

Nova Aquilae no 2.

10.15 MD5807 | 19^h00 −5°0 | Alt.cor. .00

46 Sco sc1	sc2	Bk19; 76.
1 6.2 6.1		2.42
2 6.4 6.3		2.25
3 7.4 7.3	0.0 7.40 7.4	2.54
4	8.2	2.36
5	8.9	2.22
6	9.5	1.78
7	9.8	1.90
8	10.0	2.02
9	f	—

Nova Aquilae no 2

sc1	sc2	cu	L magn.
a 5.6 5.5		2.21	7.81
b 6.4 6.3		2.38	8.78
c 6.9 6.8		2.45	9.35
d 7.1 7.0		2.48	9.58
e 7.3 7.2	0.0 7.70	2.49	9.79
f 7.7 7.6	7.7	2.47	10.17
g 7.5 7.4	.5 .05 7.45 7.4	2.50	9.95
h	8.0	2.42	10.42
k	8.6	2.30	10.90
l	8.4	2.35	10.75
m	9.5	2.04	11.54
n	f	—	—
o	f	—	—

10:30 P.l. faint.

Wed. Feb. 6, 1918

Sc R

10.50

Nova Sag #1

	mc 5611			Pole
	PC			mc 5617
	Sc 2	Sc R		P. 118
5	8.7	8.5	10.10 8.60	8.00
6	9.3	9.5	10.10 9.40	9.10
8	11.5	11.5	0.0 11.50	10.50
9	12.1	12.1	0.0 12.10	11.10
10	12.6	12.5	05.05 12.55	11.45
11	13.1	13.1	0.0 13.10	11.85
12	f			12.50
13				13.20
14				13.55
15				13.9
16				f

Wednesday Feb. 6, 1918

ScR

Nova Sag. No 1

Mc5614 18h 50 -12°.5. alt. corr. -.03

Pc.

	Sct	sc 2	Sc2		Ca magn.	
	7.1					
c	6.8					
	8.9			10,10,00		
e	8.6	9.1	9.0	9.00	~~110~~	~~7.60~~
				0,0		
f		9.5	9.5	9.50		
				05,05		
g		10.1	10.2	10.15		
				0,0		
h		12.2	12.2	12.20		
				25,25		
k		13.1	12.6	12.85		
				0,0		
l		13.6	13.6	13.60		
m		f	f	—		
n				—		

Pole plates discordant
no magnitudes reduced.

Wednesday Feb. 6, 1918

SeR

Nova Sag. #1

Pole | MC 5617

PC

Se z Se 2

	8.1		10,.0
5	7.8	7.9	8.00
			0,0
6	9.1	9.1	9.10
			0,0
8	10.5	10.5	10.50
			0,0
9	11.1	11.1	11.10
			05, 05
10	11.5	11.4	11.45
			05, 05
11	11.9	11.8	11.85
			0,0
12	12.5	12.5	12.50
			0,0
13	13.2	13.2	13.20
			05 05
14	13.5	13.6	13.55
			. a
15	f	13.9	13.9
16	f	f	

11:30

Wednesday Feb. 6, 1918

Sc R. 1" Nova Sag #1

11.45 Mc 5895 Pole

P.C. mc5900 p 121

Sc 4 Sc 2

5	7.9 76	7.9	0 0 790	7.8	05,05 7.85	-1.36	-136
6		8.6		8.2	20,20 8.40	-1.29	-1.29
8		9.9		9.8	05,05 9.85	-1.52 ~~-1.63~~	-1.52
9		10.9		10.9	0,0 10.90	5 ~~-1.88~~	-2.07
10		11.4		11.2	10,10 11.30		-2.28
11		11.8		11.5	15,15 11.65		-2.10
12		12.2		12.1	05,05 12.15		-2.29
13		12.6		12.4	10,10 12.50		-2.20
14		13.0		13.0	0,0 13.00		-2.35
15		13.3		13.4	05,05 13.35		-2.27
16	~~13.6~~	13.6		13.7	05,05 13.65		-2.25

Wednesday Feb. 6, 1918

Copied 9:204

Se R

Nova Sag. #1

MC5899 | 18h50 −12°.5 | alt corr. −13

Nova Sag No 1

P.C.	Sc 1	sc 2		Cu.	magn.
c	6.8 6.5				
e	83 8.0	8.3	0,0 8.30	−1.30	7.00
f		9.0	.	−1.40	7.60
g		9.3	.	−1.47	7.83
h		10.6	.	−1.90	8.70
k		11.5	.	−2.18	9.32
l		12.2	.	−2.25	9.95
m		12.8	.	−2.27	10.53
n		12.5	.	−2.26	10.24

a, b & d not on plate

Wednesday Feb, 6 1918

Se R

Nova Sag no 1

MC 5900 Poles

P.C.

	Se 2
5	7.8
6	8.2
8	9.8
9	10.9
10	11.2
11	11.5
12	12.1
13	12.4
4	13.0
15	13.4
16	13.7

Wednesday Feb. 6 1918

La R

Nova Sag #1

	MC 5920	MC 5925 P124.	Pole	
RC				
	Ra 2			
5	7.8	75	15, 15 7.65	-1.16
6	8,5	8 3	10, 10 8.40	- 1.29
8	10.0	10.0	0, 0 10.00	-1.77
9	11.0 ~~10.8~~	10.9	05, 05 10.95	- 2.12
10	11.3 ~~12.5~~	11.2	05, 05 11.25	- 2.23
11	11.9	11.7	10, 10 11.80	-2.25
12	12.3	12.3	0, 0 12.30	- 2.44
13.	12.7	12.8	05 05 12.75	- 2.45
14	13.0	13.1	05 05 13.05	- 2.40
15	f	13.5	. a 13.5	- 2.42
16	f	f.	f.	

Wednesday Feb 6. 1918

Copied 9:304

LeR. Nova Sag no 1

Mc 5921 | 18h50 | -12°.5 | alt corr. -.13

P.C. Nova Sag #1

	Ser	Ser		cu	magn.
c	7.1 6.8			-1.00?	6.10
e	8.4 8.1	20 8.40	8.4	-137	7.03
f			9.5	-1.69	7.81
g			9.8	-1.77	8.03
h			11.3	-2.20	9.10
k			12.3	-2.39	9.91
l			12.7	-2.42	10.28
m			13.3	-2.41	10.89
n			13.3	2.41	10.89
o			f	-	

~~a, b, & d, not on plate~~.

Wednesday Feb. 6 1918

Sc R

Nova Sag. no 1

Sc.	Mc 5925 Pl. 262	Pole.
5	7.5	
6	8.3	
8	10.0	
9	10.9	
10	11.2	
11	11.7	
12	12.3	
13	12.8	
14	13.1	
15	13.5	
16	f	

12.35

Thursday Feb. 7, 1918.

Sc m — T Pyxidis

Tp. 10 — B46783 — 9^h02 — −31°.0 — T Pyxidis,

	Carte. (O24: 108, 109)			Diff im.			P.C.		
	sc1.	sc2.	Diff BK35:110	sc 2	sc. 2	Diff BK35:110.	sc 2	sc 2	Diff
1	3.7 3.5		4.30	7.8	0 0 7.8 7.80	.0.20	9.0	0,0 9.0 9.00	-1.00
2	4.3 4.1	05.05 4.35 44	4.13	8.3	0 0 8.3 8.30	0.18	f	f.	
3	5.0 4.8	0,0 5.00 5.0	3.78	8.8	10,10 9.0 8.90	-0.12			
4	5.7 5.5	05,05 5.65 5.6	3.75	9.5	0,0 9.5 9.50	-0.10.			
5	6.7 6.5	0 0 6.70 6.7	3.59		f				
6	7.5 7.3	20,20 7.30 7.1	3.56						
7		7.6	3.59						
8		8.1	3.52						
9		8.3	3.41						
10		8.5	3.32						
11		9.2	3.16						
12		9.1	3.36						
13		9.4	3.33						
14		9.4?	3.66?						
15		f.							

Thursday Feb. 7, 1918

Copied 44:151

Le M.

I Pyxidis

B46783 cont. alt. corr. +.00

I Pyxidis					Diff. m					P.C.
	sc1	sc2	cu	magn.	sc1	sc2		cu	magn.	sc2
a	B		.	.	6.7	6.5	10 10 6.60	.	.	8.0
b	4.0 3.8		4.17	8.17	7.7	7.6	05, 05 7.65	0.28	7.93	6.7
c	3.4 3.2		4.37	7.77	7.5 ~~7.8~~	7.5	0,0 7.50	.		8.9
d	3.7 3.5		4.26	7.96	7.8	7.8	0,0 7.80	0.26	8.06	2 9.0
e	4.2 4.0		4.11	8.31	8.3	8.3	0,0 8.30	0.09	8.39	9.9
f	4.4 4.2		4.06	8.46	7 8.6	8.8	05, 05 8.75	-0.03	8.72	
g	~~3.5~~ 5.5 ~~5.5~~		3.77	9.27	9.1	9.0	05, 05 9.05	-0.08	8 9.97	
h	5.9 5.7		3.70	9.60	9.5	9.5	0,0 9.50	-0.11	3 9.49	
k	6.5 6.3		3.61	10.11	9.9	9.9	0,0 9.90	-0.12	9.78	
l	7.0 6.8	0,0 7.00 7.0	3.58	10.58		f				
m	7.5 7.3	0 0 7.50 7.5	3.51	11.01						
n		7.9	3.48	11.38						
o		8.2	3.45	11.65						
p		8.7	3.41	12.11						
q		8.8	3.40	12.20						
r		9.0	3.37	12.37						
s		9.3	3.35	12.65						
t		9.9	3.30e	13.20						

12:10

Friday Feb. 8. 1918

Sc M

T Pyxidis.

9.10 B46808 9:02 -31.0

Carte (D 24, 12, 13)

	sc1	sc2	Diff BK35:110	sc2	sc2	Diff.	Diff. BK35.110	P. C.			
1	3.7 3.5		4.30	7.8	7.8	0.0 7.80	0.20	9.0	9.1	05 05 9.05	-1.05
2	4.4 4.2		4.04	8.5	8.5	0 0 8.50	-0.02	—			
3	5.0 4.8		3.78	9.0	9.0	0 0 9.00	-0.22				
4	5.7 5.5		3.70	9.5	9.4	05 05 9.40	-0.05				
5	6.9 6.7		3.39	9.9	9.8	05 05 9.85	0.44				
6	7.5 7.3	0 0 7.50 7.5	3.36	f	f						
7		7.9	3.29								
8		8.3	3.32								
9		8.3	3.41								
10		8.7	3.12								
11		9.0	3.36								
12		9.2	3.26								
13		9.5	3.23								
14		7 9.5	3.66								
15		10.1	–								

Friday, Feb. 8, 1918

Sc. m

T Pyxidis

B46808 cont.

alt. corr. +.00
Diffr.

	sc 1	sc 2	~~cu magn~~ cu	magn.	sc 2			cu	magn
a	B		.	.	6.5	6.5	0 0 6.50	.	.
b	4.0 3.8		4.13	8.13	7.3	7.5	10 10 7.40	.	.
c	3.4 3.2		4.40	7.80	7.5	7.4	05 05 7.45	.	.
d	3.7 3.5		4.29	7.99	7.9	7.8	05, 05 7.85	0.22	8.07
e	4.7 4.5		3.91	8.61	8.5	8.5	0 0 8.50	-0.05	8.45
f	5.1 4.9		3.80	8.90	8.6	8.7	05 05 8.65	-0.13	8.42
g	5.6 5.4		3.67	9.27	8.7	8.9	10 10 8.80	-0.17	8.63
h	6.1 5.9		3.58	9.68	9.0	9.5	25 25 9.25	-0.15	9.10
k	6.7 6.5	05 05	3.47	10.17	9.7	9.8	05 05 9.75	0.13	9.88
l	7.0 6.8	6.95 6.9	3.41	10.36	10.0	ns.	10.0	0.50	10.50
m	7.4 7.2	05 05 7.45 7.5	3.33	10.78	—	—			
n		7.8	3.30	11.10					
o		7.9	3.29	11.19					
p		8.6	3.25	11.85					
q		9.0	3.25	12.25					
r		9.3	3.27	12.57					
s		9.5	3.30	12.80					
t		9.8	3.34	13.14					

Remeas. Feb. 12, '18
sc. 2
7.6 7.8
8.2
8.8 Rec. O.
No Error in orig meas.
"O" meas. brighter than should be.

Scale does not compare well with these images. V.

B46783, 46808, 49917 - Star m examined by H.S.L. Images differ greatly on the three plates and the discordance in the measures of this star, and also of star o, appear to be accidental. No evidence of variability in either star. H.S.L. Feb. 12, 1918.

Friday Feb. 8 1918

Sc. m.

T Pyxidis

B49917 9^h05^m -30.2

Carte (Ld 54:86)

	sc1	sc2		Diff. BK35:110	diffr sc2	sc2		Diff. BK35:110	
1	5.0 4.6			3.00	7.5 ~~7.1~~ 8	7.6	05 05 7.55	0.05	diffraction image —
2	5.7 5.6			2.78	7.9	8.1	10 10 8.00	.048	second color very
3	6.0 5.8			2.78	8.6	8.7	05 05 8.65	0.23	poor & extremely
4	65 6.3	6.5	0.0 650	2.90	9.2	9.3	05 05 9.25	0.15	difficult
5	7.0 6.8	7.0 ~~6.6~~	00 7.00	3.29	10.0	10.2	10 10 10.10	0.19	
6		7.5		3.36					
7		7.8		3.49					
8		8.0		3.62					
9		8.2		3.51					
10		8.5		3.32					
11		8.9		3.46					
12		9.2		3.26					
13		9.5		3.23					
14		9.8		3.$\overset{5}{4}$6					
15		10.2		—					

Friday, Feb. 8 1918

Copied 44:151.

Scale M.

T Pyxidis

B49917 cont. alt corr +.06

		se1	se2		cu	magn	Differ se1	se2		cu	magn.
	a	3.5 3.3 ~~4.7~~			.	.	6.5	t.p.	ɑ. 6.5	.	.
	b	4.0 8.8 poor.			.	.	?t.p.	t.p.		.	.
	c	4.6 4.4			.	.	7.5	7.5	0,6 7.50	0.23	7.73
	d	4.9 4.7			~~2.95~~	~~7.85~~	7.8	7.8	0,0 7.80	0.21	8.01
	e	5.3 5.7			2.87	~~8.17~~	8.1	t.p.	ɑ. 8.1	0.21	8.31
	f	6.0 5.8			2.84	8.84	8.5	8.8	15 15 8.65	0.19	8.84
	g	5.9? 5.7? poor			2.85	8.75?	9 8.0	9.4	20 20 9.20	0.18	9.38
	h	6.4 6.2			2.91	9.37	9.1	t.p.	ɑ. 9.1	0.18	9.28
Remeas. Feb. 12 '18	k	6.8 6.6	6.8	0,0 6.80	3.12	9.92	m?	10.0	ɑ 10.0	0.16	10.16
se2 7.0	l	6.9 6.7	7.1	10 10 7.00	3.19	10.19					
7.2	m	7.2 7.0	?7.0	10 10 7.10	3.23	10.33					
7.6 no error in orig. meas	n	7.6			3.39	10.99					
Rec. O.	o	8.1			3.45	11.55					
	p	8.5			3.43	11.93					
	q	8.8			3.40	12.20					
	r	9.0			3.37	12.37					
	s	9.3			3.28	12.58					
	x	9.9			3.14	13.04					

11:35

Saturday Feb. 9, 1918

Nova Aquilae No 1.

Scale R

9:50 MC5900 Pole.

	P.C	Bs. MC5906 Sc = p.133.		
5	7.7	7.5	10, 10 7.60	- 1.11
6	8.6	8.4	10, 10 8.50	- 1.39
~~7~~				
8	10.0	10.0	00, 00 10.00	- 1.77
9	10.5	10.5	00, 00 10.50	- 1.67
10	10.9	10.8	05, 05 10.85	- 1.83
11	11.4	11.5	05 00 11.45	- 1.90
12	11.9	12.1	10 10 12.00	- 2.14
13	12.5	12.5	00, 00 12.50	- 2.20
14	18.0	12.8	10 10 12.90	- 2.25
15	13.3	13.5	10 10 13.40	- 2.32
16	f	13.9	· a 13.9	- 2.50

1917phae.proj.1172Y

Sat. Feb. 9, 1918

Copied 9:215

Scale R

Nova Aquilae No 1

MC5905 19ʰ09 0°.0 alt. corr +.02

P.C.		cu	magn
a	7.5	-1.15	6.35
b	10.2	-1.72	8.48
c	10.1	-1.67	8.43
d	10.6	-1.80	8.80
e	10.8	-1.84	8.96
f	11.6	-2.00	9.60
g	12.2	-2.14	10.06
h	~~12.7~~ 13.0	-2.28	10.72
k	f	.	.
l	13.7	2.40	11.30
m	—		
n	-		

Sat. Feb. 9, 1918

Sc. R

Nova Aquilae No 1.

MC 5906 Pole

Pl

sec z,

5	7.5
6	8.4
8	10.0
9	10.5
10	10.8
11	11.5
12	12.1
13	12.5
14	12.8
15	13.5
16	13.9

Saturday, February 9, 1918

Se R

Nova Aquilae No 1

MC 10959 Pole ~~alt. corr +.05~~

PC P.C MC10965 -

Se 2 P. 136

5	9.2	9.0	10,10 9.10	-2.61
6	10.1	9.9	10,10 10.00	-2.89
8	11.5	11.5	00,00 11.50	-3.27
9	12.1	12.0	05,05 12.05	-3.22
10	12.5	12.4	05,05 12.45	-3.43
11	13.1	13.0	05,05 13.05	-3.50
12	13.4	13.6	10 10 13.50	-3.64
13	13.9	14.0	05,05 13.95	-3.65
14	f	f		
15				
16				

Saturday Feb. 9, 1918

Se R Nova Aquilae No 1 Copied 9:215.

MC 10961 19^h.09 -1°.3 alt. corr. +.05

BC

Oc 2	Cu	Magn.
a 9.0	-2.58	6.42
b 11.7	-3.29	8.41
c 11.5	-3.25	8.25
d 12.1	-3.37	8.83
e 12.3	-3.40	8.90
f 13.1	-3.52	9.58
g 13.9	-3.65	10.25
h f		
k f		
l —		
m —		

Saturday, Feb. 9. 1918

Se.R. Nova Aquilae No 1

+ MC 10965 Pole

P e

Se 2

5	9.0
6	9.9
8	11.5
9	12.0
10	12.4
11	13.0
12	13.6
13	14.0
14	f
15	f
16	f

11:00.

Monday Feb. 25, 1918

3.00 Wolfs Nova

Scale R MC14539 Pole

	sc1	sc2	P.C.		Diff	
5	3		10.2 ~~8.9~~	10.2	9.9	9.8
6	5.4		10.8	10.8	10.5	10.5
8	6.8		12.5	12.5	11.3	11.4
9	7.7		13.0	13.0	11.7	12.0
10	8.2	8.4	13.4	13.5	12.1	12.3
11		8.9	f	f	12.5 ~~12.4~~	12.8
12		9.4			13.0	13.1
13		9.9			13.5	13.6
14		10.3			f	f
15		10.8				
16		11.3				
17		11.6 ~~11.3~~				
18		12.1				
19		12.5				
20		12.8				
23		13.3				
25		13.6				
26		13.9				
27		f				

Monday, Feb. 25, 1918

Wolf's Nova

Scale R

This page Rejected. Light Changing.

MC14538 7 22 -6.5

set set

a	B	Cu.	
a'	5.4 5.1 ~~B~~	1.56	6.96
b	B	.	.
b'	B	. –	. .
c	B	.	.
d	B	.	.
e	5.8 5.5	1.41	7.21
e'	8.1 7.8	0.69	8.79
e²	6.8 6.5	1.08	7.88
e³	8.1 7.8	0.69	8.79
f	6.1 5.8	1.31	7.41
g	7.1 6.8	1.00	8.10
g'	7.8 7.5	0.78	8.58
h	7.6 7.3	0.84	8.44
k	8.3 8.0 8.2 8.25 1 0	0.64	8.89
l	8.5 8.2 8.6 8.55 L 0	0.54	9.09
m	9.2 8.9 9.2 9.20 0 0	0.41	9.61
n	9.4 9.1 9.4 9.40 0 0	0.35	9.75
n'	11.1	_0.04	11.06
n²	10.5	0.10	10.60
o	10.1	0.18	11.28
p	10.7	0.05	10.75
q	11.1 ~~10.8~~	_0.04	11.06
s	10.6	0.06	10.66
o	~~+0.1~~ 10.3	0.15	10.45
t	11.2	_0.07	11.13
u	+1. 11.5	_0.12	11.38

Monday Feb. 25 1918

This page rejected.

MC 14538 Cont.

	sc r		
w	12.3	– 0.14	12.16
x	12.5	– 0.11	12.39
y	12.8	– 0.05	12.75
z	13.1	0.04	13.14
α	13.2	0.09	13.29
β	13.5	0.21	13.71
γ	13.7	0.32	14.02
δ	f	'	'
ε	f	,	'

4:10 Too dark to continue

1917phae.proj.1172Y

Tuesday, Feb. 26, 1918

Scale R

Wolf's Nova

9:20	MC 14539			Pole			Dpfn			
	sc1		sc2	Diff.	P. C.	Diff.				Diff.
5	B.			.	9.1	-2.61	9.7	9.7	00.00 9.70	-3.21
6	5.6 5.3			1.51	10.8	-3.69	10.5	10.3	10.10 10.40	3 -~~2~~.29
8	7.3 7.0			0.93	12.1	-3.87	11.2	11.2	00 00 11.20	-2.97
9	8.1 7.8			0.73	13.1	-4.27	12.1	12.1	00.00 12.10	-3.27
10	8.6 8.3	10.10 8.50	8.4	0.52	13.7	-4.68	12.5	12.5	00.00 12.50	-3.48
11	9.1 8.8	00,00 9.10	9.1	0.45	14.0	-4.45	12.9	13.0	05.05 12.95	-3.40
12			9.6	0.26			13.3	13.6	10.10 13.40	-3.54
13			10.1	0.20			13.7	13.8	05.05 13.75	-3.45
14			10.5	0.15			f			
15			11.0	0.08						
16			11.5	-0.10						
17			11.8	-0.17						
18			12.2	-0.14						
19			12.5	-0.08						
20			12.8	-0.07						
23			13.3	0.04						
25			13.5	0.37						
26			13.9	0.43						
27			f							

Tuesday Feb. 26, 1918

Scale R

Copied 38:10

altcorr -.03

mc 14538 Wolf's Nova

~~+.19~~

		sc1	sc2			P.C.		
2̄	a	B	,			980 00 9.8 9.8	-3.08	6.72
7=	a'	5.5 5.2	1.45	6.95		1075 1 0 10.7 10.8	-3.51	7.24
3=	b	B		,		980 00 9.8 9.8	-3.08	6.72
4=	b'	B		,		1025 0 1 10.2 10.3	-3.29	6.96
5=	c	4.1 3.8		.		1020 00 10.2 10.2	-3.29	6.91
6 ~~2~~	d	4.5 4.2		.		10.95 1 0 10.9 11.0	-3.59	7.36
8=	e	5.8 5.5	1.41	7.21		11.05 2 1 11.2 10.9	-3.62	7.43
15=	e'	7.8 7.5	0.78	8.58		1265 0 1 12.6 12.7	-4.14	8.51
-10=	e²	7.1 6.8	1.00	8.10		1205 0 1 12.0 12.1	-3.98	8.07
13=	e³	8.2 7.9	0.66	8.86		1295 2 1 12.8 13.1	-4.23	8.72
9=	f	6.1 5.8	1.31	7.41		1165 0 1 11.6 11.7	-3.84	7.81
11=	g	7.2 6.9	0.96	8.16		12.15 1 0 12.1 12.2	-4.00	8.15
12=	g'	7.8 7.5	0.81	8.61		12.55 0 1 5 12.6 12.4	-4.11	8.44
14=	h	8.0 05.05 7.7 7.95 7.9	0.73	8.68		127000 12.7 12.7	-4.16	8.54
16=	k	8.4 05.05 8.1 8.35 8.3	0.61	8.96		13.20 1 1 13.1 13.3	-4.30	8.90
17=	l	8.9 00.00 8.6 8.90 8.9	0.49	9.39		f f	,	
18=	m	9.7	0.28	9.98				
19=	n	10.1	0.19	10.29				
25=	n'	11.1	-0.04	11.06				
22=	n²	10.6	0.06	10.66				
20=	o	10.3	0.14	10.44				
24=	p	10.7	0.05	10.75				
26=	q	11.4	-0.10	11.30				
23=	r	11.0	-0.02	10.98				
21=	s	10.6	0.06	10.66				
27=	t	12.0	-0.16	11.84				
28=	u	11.5	-0.12	11.38				

29=	W	12.2	-0.15	12.05
30=	x	12.5	-0.12	12.38
31=	y	13.1	0.04	13.14
32=	z	13.5	0.21	13.71
33=	α	13.0	0.02	13.02
34	β	13.5	0.21	13.71
✓	γ	13.8	0.37	14.17

~~δ~~

~~ε~~

~~ζ 13.3~~

a & d edge

Tuesday Feb. 26, 1918

Copied 38.10

Scale R.

MC 14538 cont

	Diffr.			
a	Ip +p	– ~~3~~	.	x .
	10.00 00			
a'	10.0 10.0	-323	6.77	y .
	9.10 1 1			
b	9.2 9.0	.	.	z .
	9.60 1 1			
b'	9.7 9.5	-3.30	6.30	α .
	9.15 1 0			
c	9.1 9.2	.	.	β .
d	Ip Ip	.	.	γ .
	10.15 1 0			
e	10.1 10.2	-3.19	6.96	δ .
	12.00 00			
e'	12.0 12.0	-3.25	8.75	
	11.70 1 1			
e²	11.6 11.8	-3.14	8.56	
	12.50 00			
e³	12.5 12.5	-3.40	9.10	
	10.20 00			
f	10.2 10.2	-319	7.01	
	11.45 0 1			
g	11.4 11.5	-309	8.36	
	11.80 00			
g'	11.8 11.8	-3.18	8.62	
	12.15 0 1			
h	12.2 12.1	-3.30	8.85	
	12.55 0 1			
k	12.6 12.5	-3.41	9.14	
	12.90 00			
l	12.9 12.9	-3.49	9.41	
	13.30 00			
m	13.3 13.3	-3.50	9.80	
	13.65 1 0			
n	13.7 13.6	-351	10.14	
n'	f f	.	.	
n²				
	13.90 00			
o	13.9 13.9	-4.00	9.90	
	13.95 1 0			
p	13.9 14.0	.	.	
q	f f		.	
r				
s				
t				
u				
w	12.0			

Wednesday Feb. 27 1918

Deale m

Nova Monocerotis (Sheets 1–38 Stars – All near position of Nova.)

9:50 AC 18228 7° 0.0

Carte 7h – 2°.5

	sc 1		sc 2	B1c 32p12s Diff.
1	4.7 4.5			2.06
2	5.8 5.6			1.38
3	6.2 6.0			1.40
4	6.7 6.5	05,05 6.75	6.8	2.08
5	7.1 6.9	00,00 7.10	7.1	2.13
6			8.2	2.07
7			8.0	2.45
8			9.0	2.24
9			9.4	2.20
10			f	

Diff.	D.M.	sc 1		sc 2
2.66 K	–9° 1965	7.5 7.3	00,00 7.50	7.5
1.94	–4° 1908	5.3 5.1		
2.91 K	–10 1991	7.3 7.1	00,00 7.30	7.3
2.35 K	–4 1915	7.4 7.2	00,00 7.40	7.4
2.18	–4 1918	6.2 6.0		
2.51	–10 2081	7.0 6.8		
2.81	–9 2087	6.8 6.6		
2.59	–9 2090	6.7 6.6		
2.56	–9 2094	6.4 6.2		
1.85	–5 2173	6.7 6.5		
2.80 K	–4 2013	7.1 6.9		
2.79	–7 2082	4.3 4.1		
2.00	–4 1926	6.0 5.8		
2.16	–9 2091	6.4 6.2		
2.90 K	–4 1950	6.5 6.3		
3.18	–4 1970	5.0 4.8		

1917phae.proj.1172Y

Wednesday Feb. 27 1918

Scale m

AC 18228 (Cont) Nova Monocerotis

Comparison Star Sheet Ptg.

Dm stars

Carte 7.2 5-0

AC 2

		AC 1 AC 2	Diff.	Curve	a	magn.	magn.	Dm ~~Extra~~ Bright stars in Sequence
a	2	2.7 2.5	2.89	2.89	277	5.59	5.47	30 908
a^2	1	2.5? 2.3	2.57 K	2.93	2.72	5.50	5.22?	
b	3	3.5 3.3	2.61	2.68	2.71	6.18	6.21	
b'	4	3.7 3.5	2.72	2.61	2.68	6.31	6.38	
c	5	3.7 3.5	2.79	2.61	2.68	6.31	6.38	
d	6	4.0 3.8	2.70	2.52	2.56	6.52	6.56	
a'	7	4.4 4.2	2.24	2.40	2.38	6.80	6.78	
e	8	4.9 4.7	2.12	2.25	2.20	7.15	4.10 ~~2.20~~	
f	9	5.1 4.9	~~2.28 K~~	2.20		7.30		
e^2	10	5.5 5.3		2.10		7.60		
g	11	5.9 5.7		2.04	1.36	7.94	Carte 7.2 5 8.26	
g'	12	6.1 5.9		2.06	1.50	8.16	7.60	
e^3	13	6.2 6.0	2.78K	2.12	1.58	8.32	7.78	
h	14	6.5 6.3		2.26	1.77	8.76	8.27	
e'	15	6.4 6.2		2.24	1.71	8.64	8.11	
k	16	6.8 ~~6.80~~ 0000 6.6 6.8 6.80 00,00		2.46	1.94	9.26	8.74	
l	17	7.0 ~~7.00~~ 00 6.8 7.0 7.00 00,00		2.56	2.05	9.56	9.05	
m	18	7.2 7.0 7.2 7.20 00,00		2.69	2.12	9.89	9.32	
n	19	7.4 7.2 7.5 7.45 05 05			2.19		9.64	
o	20	7.7 7.5 7.8 7.75 05,05			2.26		10.01	
s	21	8.2			2.30		10.50	
n^2	22	8.3			2.30		10.60	
r	23	8.5			2.30		10.80	
p	24	8.2			2.30		10.50	
n'	25	8.7			2.30		11.00 ~~11.00~~	
q	26	9.0			2.28		11.28	
t	27	8.8			2.29		11.09	
u	28	9.5			2.20		11.70	
11.10 v	29	9.7						

Wednesday Feb. 27, 1918.

Scale ~~R~~ M

Nova Monocerotis

11:20 AC 18442 1 0.0

Carte 7h - 2°.5

D. Bir 32 p125

	sc1	sc2		Diff
1	4.7 4.5			2.06
2	5.7 5.5			1.48
3	6.2 6.0			1.40
4	7.0 6.8			1.83
5	7.4 7.2	7.5	05 05 7.45	1.88
6		8.0		2.27
7		8.2		2.25
8		8.6		2.64
9		9.2		2.40
10		9.7		2.46
11		f		

Sheets 1-3 Stars in H.A. 54 near position of Nova (Aty.)

DM Bright Stars

Diff		sc1	sc2	
2.46K	-9° 1965	7.7 7.5	00.00 7.70	7.7
2.14	-4 1908	5.1 4.9		
2.71K	-10 1991	7.5 7.3	00.00 7.50	7.5
2.60K	-4 1915	7.1 6.9	05 05 7.15	7.2
2.58	-4 1918	5.8 5.6		
2.30	-4 1926	5.7 5.5		
2.36	-9 2021	8.6? 8.0		
3.40K	-4 1950	6.0 5.8		
3.78	-4 1970	4.4 4.2		
2.81	-10 2081	6.7 6.5		
3.11	-9 2087	6.5 6.3		
2.59	-9 2090	6.7 6.5		
2.66	-9 2094	6.3 6.1		
2.55	-5 2173	6.0 5.8		
3.00K	-4 2013	7.0 6.8	10 10 6.90	6.8
3.09	-4 2082	4.0 3.8		

DM Stars - zones 9 + 10°

poor

8

Wednesday Feb 27 1918

Scale M

Comparison star sheet Ptg

ac 18442 Nova Monocerotis

		sc1	sc2	Diff.	DM stars cw	DM stars magn	carte $7^h - 2^{\circ}5$ cu	carte magn DM stars in sequence
2 ✗		2.5 2.3		3.09	2.95	5.45	3.03	5.53
1 ✗	2	2.2? 2.0?		2.77×	2.99	5.19	292	5.12?
b	3	3.3 3.1		2.81	2.82	6.12	2.99	6.29
b'	4	3.7 3.5		2.72	2.77	6.47	2.81	6.51
c	5	3.2 3.0		3.29	2.85	6.05	3.02	6.22
6 ✗		3.7 3.5		3.00	2.78	6.48	2.81	6.51
a'	7	3.9 3.7		2.74	2.75	6.65	2.70	6.60
e	8	4.8 4.6		2.22	2.61	7.41	2.22	7.02
f	9	4.2 4.0 ~~3.6~~		.	2.71	6.91	2.56	6.76
e²	10	4.6 4.4		.	2.67	7.27	2.33	6.93
g	11	5.0 4.8			2.57	7.57	carte $7^h - 2^{\circ}5$	
g'	12	5.8 5.6			2.49	8.29	4 1.92	7.22 ~~7.72~~
e³	13	5.5 5.3		3.38 K	2.50	8.00	~~1.92~~	.
h	14	5.7 5.5			2.48	8.18	4 1.90	7.60
e'	15	6.0 5.8			2.51	8.51	4 1.95	4 7.95
k	16	6.1 5.9			2.52	8.62	1.50	7.60
l	17	6.5 6.3		!	2.57	9.07	1.60	8.10
m	18	7.0 6.8	00,00 7.0 7.00		2.64	9.64	1.77	8.77
n ~~m~~	19	7.2 7.0	00,00 7.2 7.20		2.68	9.88	1.85	9.05
o	20	7.4 7.2	05 05 7.5 7.45		2.72	10.17	1.93	9.38
s	21		7.8		2.76	10.56	2.09	9.89
n²	22		8.0		.	,	2.18	10.18
r	23		8.2				2.23	10.43
p	24		8.4				2.30	10.70
n'	25		n.s.?				.	.
q	26		9.1				2.52	11.62
t	27		8.9				2.47	11.37

	sc2	cu	magn
28	9.5	2.63	12.13
29	f	.	,
30	9.9	2.72	12.62

12.20

Wednesday Feb. 27, 1918

Scale M Nova Monocerotis

2:40 ac 11445 8, 0.0

Carte 8–9.5′

	sc 1	sc 2	D. Bk 32 p 138 Diff
1	6.5 6.3		2.06
2	6.7 6.5		2.18
3	70 ~~7.0~~ 6.8	00,00 7.00 7.0	2.13
4		7.6	2.33
5		8.2	2.36
6		9.0	2.33
7		10.0?	1.48?
8		f	
9			
10			
11			

Diff D Sheets 1–3 HA 54 near
Stars in position of nova Plg.

Bright DM stars

Diff			sc 1	05 05	sc 2
2.41K	−9°	1965	7.7 7.5	7.75	7.8
2.04	−4°	1908	5.2 5.0		
2.71K	−10	1991	7.5 7.3	00,00 7.50	7.5
2.55K	−4	1915	7.2 7.0	00,00 7.20	7.2
2.28	−4	1918	6.1 5.9		
2.40	−4	1926	5.6 5.4		
2.46	−9	2021	6.1 5.9		
2.70K	−4	1950	6.7 6.5		
2.48	−4	1970	5.7 5.5		
2.41	−10	2081	7.1 6.9		
2.91	−9	2087	6.7 6.5		
2.39	−9	2090	6.9 6.7		
2.56	−9	2094	6.4 6.2		
1.85	−5	2173	6.7 6.5		
2.60K	−4	2013	7.3 7.1		
1.49	−7	2082	5.1 4.9		

Wednesday, Feb. 27 1918

Scale M

Nova Monocerotis –

Comparison star sheet.

Dimstars in Sequence Carte 8h–9.5

		ae 11445 e	ae 21.		Diff.	cw	magn	cu	mag
2		3.4 3.2			2.19	2.10	5.50		
1		3.1 2.9?			1.97 x	2.02	5.12?		
b	3	4.0 3.8			2.11	2.25	6.25		
b'	4	4.2 4.0			2.22	2.21	6.41		
c	5	4.0 3.8			2.49	2.25	6.25		
\	6	4.7 4.5			2.00	1.93	6.63		
a'	7	5.0 4.8			1.64	1.72	6.72		
e	8	5.2 5.0			1.82	1.62	6.82		
f	9	5.7 5.5							
e^2	10	6.0 5.8							
g	11	6.2 6.0							
g'	12	6.4 6.2						2.07	8.47
e^3	13	6.2 6.0			3.78 K				
h	14	6.4 6.2						2.07	8.47
e'	15	6.6 6.4						2.10	8.70
k	16	6.8 6.5	6.8	00.00 6.80				2.18	8.98
l	17	7.1 6.9	7.1	00.00 7.10				2.22	9.32
m	18	7.4 7.2	7.4	00.00 7.40a				2.25	9.65
n	19		7.6					2.27	9.77
o	20		7.9					2.31	10.11
s	21		8.1					2.32	10.42
n^2	22		8.3					2.33	10.63
r	23		8.5					2.33	10.83
p	24		8.4					2.33	10.73
n'	25		8.8					2.32	11.12
q	26		9.1					2.30	11.40
t	27		9.0					2.31	11.91
u	28		9.7						
w	29		10						

3:45

Thursday, Feb. 28, 1918

Scale 11
9^00^

Nova Monocerotis

AC 15724 Dk 82, 138

8h 0°.0

carte 8h - 9.5

	sc 1	sc 2	Diff.
1	63 6.1		2.26
2	6.5 6.3		38 2.~~63~~
3	~~6.~~ 70 6.8	05,05 6.9 6.95	1 2.88
4	7.5 7.3	00,00 7.5 7.50	2.43
5		8.0	2.56
6		8.8	2.53
7		9.5	1.98
8			
9			
10			

Bright DM Stars

Diff (sheet 1-3 HA 54 stars Pg 5)			sc 1	sc 2
2.86K	-9°	1965	7.3 7.1 e	0.0 7.30 7.3 e
2.24	-4	1908	5.0 4.8	
2.86K	-10	1991	7.3 7.1 e	05 05 7.35 7.4 e
2.85K	-4	1915	6.9 6.7	0.0 6.90 6.9
2.38	-4	1918	6.0 5.8	
2.00	-4	1926	6.0 5.8	
2.86	-9	2021	5.7 5.5 e	
.x	-4	1950		
2.68	-4	1970	5.5 5.3	
2.81	-10	2081	6.7 6.5	
3.11	-9	2087	6.5 6.3	
2.49	-9	2090	6.8 6.6	
2.36	-9	2094	6.4 6.2	
2.05	-5	2173	6.5 6.3	
2.50x	-4	2013	7.4 7.2	0.0 7.40 7.4
1.69	-7	2082	5.4 5.2	

Thursday, Feb. 28, 1918

Scale M Nova Monocerotis

AC 1574 cont.

Comparison star about.

		Se1	Se2	Diff.	DM Stars in sequence cw	magn	Carte 8h–9°.5 cw	magn	Se2	Cw	magn.
a²	1	3.3 3.1		2.77K	2.70	6 ~~7~~.00			29	f	. .
a	2	3.7 3.5		2.47	2.47	6.17			30	9.9	. .
b	3	4.0 3.8		2.11	2.29	6.29					
b'	4	4.2 4.0		2.22	2.18	6.38					
e	5	4.4? 4.2?		2.29	2.07	6.47					
d	6	4.8 4.9		1.90	1.87	6.67					
u'	7	5.0 4.8		1.64	1.80	6.80					
c	8	4.75 4.9		3.32	1.90	.					
f	9	5.5 5.3		~~1.88~~K	1.75	7.25					
e²	10	5.7 5.5		.	.	.					
g	11	6.0 5.8		.	.	.	.	.			
g'	12	6.4 6.2		.			2.25	8.45			
e³	13	6.2 6.0		2.78K			20 2.~~32~~	40 8.~~52~~			
h	14	6.2 6.0					20 2.~~32~~	40 8.~~52~~			
e'	15	6.35 ~~8.1~~					2.27	8.77			
k	16	6.7 6.5					2.29	8.99			
l	17	6.9 6.7	6.9	0,0 6.90			2.31	9.21			
m	18	7.3 7.1	7.2	05, 05 7.25			2.38	9.63			
n	19		7.5				2.41	9.91			
o	20		8.0				2.47	10.47			
s	21		7.9				2.46	10.36			
n²	22		8.2				2.50	10.70			
r	23		8.2				2.50	10.70			
p	24		8.3				2.51	10.81			
n'	25		8.5				2.52	11.02			
q	26		9.0				2.58	11.58			
t	27		8.7				2.54	11.24			
k	28		9.4								

Reject because of distance from center.

9h.30

Friday March 1, 1918

Scale W. Nova Monocerotis YELLOW

10.10 M.F 2361 ~~Dr~~ $7.\overset{7}{4}$ - 6°5 Diffr.

	sc1	sc2		sez	
a^x	B			6.7	6.9 e
a^1	3.0 2.9		3.3	7.5—	7.4
a^2	B			5.7 e	5.6 e
b	3.0 2.9 ~~4.4~~ 4.0		3.1	7.3	7.3
b^1	3.9 ---		3.8	7.9—	7.7 7.3
c	3.0 3.1			7.2—	~~7.3 4~~
d	4 4.4 3.3			8.2	8.5 p
e	5.1 5.2 ~~4.8~~			9.0	~~8.8~~
e^1	4.9 4.8			8.9	8.8
e^2	5.4 5.3			9.2	9.2
e^3	5.9 5.8				9.5—
f	3.2 3.1			8.1	8.0
g	6.7 6.6				
g^1	6.3 6.2				
h	6.9 6.8				
k	7.5 00,00 7.4 750	7.5			
l	7.9 00,00 7.6 7.70	7.7			
m	7.0 7.1				
n	8.2 05,05 8.1 08.15	8.1			
n^1		8.3			
n^2		8.4			
o		8.2			
p		9.0			
q		y			
r		8.8			
s		8.6			
t		9.9?			
u					

Diffr poor.

Friday, March 1, 1918

YELLOW

Scale W. Nova Monocerotis

MF 2360 Pole

		Sec.1		sec2	Diff.	Diffr sec 1		sec 2	Diff.
	1	B			.	6.2	10,10 6.30	6.4	−1.8~~4~~6
	3	2.6 2.5			3.02	7.4	.05,.05 7.35	7.3	−1.73
	4	3.1 3.0			2.76	7.9	.05,.05 7.85	7.8	− 1.99
	5	4.3 4.2			2.13	8.6	00,00 8.60	8.6	−2.17
wrong star measured	~~6~~	4.2 ~~4.1~~			~~2.78~~	~~8.5~~	10,10 ~~8.60~~	~~8.7~~	−1.62
	8	7.4 7.3			0.63				
	9	7.4 7.3			1.34				
	10	7.9 7.8			0.98				
	11	8.3 8.2	.05.05 8.25	8.2	1.11				
	12			8.0	1.58				
	13			8.5	1.58				
	14			9.1	1.14				
wrong star measured	~~15~~			~~8.9?~~	~~1.74~~				
	16			f					

Copied 31, p 180

YELLOW

YELLOW

YELLOW

Friday, March 1, 1918

Scale W

Nova Monocerotis

MF 2361 7.4 - 6°.5 - alt corr. -01

		se 1	se 2			Cu	magn	Cu	magn	Differ		se 2
	a	B		.	.	.	.	-1.90	5.30	7.1	10 10 7.20	7.3
	a'	3.3 3.2		3.0	15.15 3.15	3 2.7~~9~~	88 5.94 ~~4.03~~	-1.93	47 5.~~33~~	7.4	00 00 7.40	7.4
	a²	B		.	.	.	.	.	.	5.3	05 05 5.35	5.4
	b	3.1 3.0		30	.05 .05 3.05	80 2.7~~3~~	85 5.7~~3~~	-1.93	5.47	7.5	10, 10 7.40	7.3
	b'	3.8 3.7		4.0	10 10 3.90	35 2.~~44~~	25 6.~~34~~	-2.01 ~~-1.99~~	4 6.0~~6~~	8.0	05 05 8.05	8.1
	c	3.2 3.1		3.1	05 05 3.15	3 2.7~~9~~	88 5.94	-1.92	5.43	7.4	05 .05 7.35	7.3
	d	4.3 4.2		4.1	10, 10 4.20	20 2.~~39~~	40 6.~~59~~	2.04 ~~-1.97~~	51 6.6~~3~~	8.5	10. 10 8.60	8.7
	e	4.8 4.7		5.2	20 .20 5.00	78 1.~~83~~	78 6.83	.	.	9.0	0, 0 9.00	9.0
	e'	5.2 5.1		4.9	15 15 5.05	76 1.~~80~~	81 6.85	~~-1.95~~	~~6.95~~	8.9	0, 0 8.90	8.9
	e²	5.4 5.3		5.4	00, 00 5.40	5 1.5~~9~~	5 6.9~~9~~	.		9.1	0, 0 9.10	9.1
	e³	5.9 5.8		5.9	00, 00 5.90	34 1.~~02~~	0 7.2~~4~~	.		9.4	05. 05 9.35	9.3
Mar 5 1918 3.3 3.2	f	4.0 3.9	measures discordant	R 3.2	05 ~~40~~, ~~40~~ 25 05 3.~~60~~	2.77	6.02	2.04 ~~-1.99~~	1 6.1~~6~~	8 7.2	05. 05 8.15	8.1
Mar 7. 1918	g	6.9 6.8		6.7	10, 10 6.80	9 1.0~~6~~	3 7.8~~6~~	.				
6.3	g'	67 6.6		6.3	~~6.50~~ 20, 20							
very poor image difficult	h	73 7.2		6.9 7.10	6.50	09 1.~~13~~ 1.00	7.59 ~~6.63~~ 8.10					
	k	76 7.5		7.50	05 05 7.55	1.06	8.61					
	l	7.8 7.5		7.70	05 05 7.75	1.10	8.85					
	m	7.1 7.0		7.1	00, 00 7.10	1.00	8.10					
Mar 5, 1918	n	8.2 .05 05 8.1 8.15	8.1	8.15	00, 00 8.15	19 1.~~12~~	34 9.~~17~~					
8.4	n'		~~8.4~~	8.3	~~d~~ 05 05 8.35	1.25	9.60					
	n²		8.3	8.4	05 05 8.35	1.25	9.60					
	o		8.5	8.2	15. 15 8.35	1.25	9.60					
	p		8.9	9.0	02, 05 8.95	1.44	10.39					
	q		f	.	.	.	.					
Mar 5, 1918 9.0	r		9.4	8.8	~~30, 30~~ 10, 10 8.90	1.42	10.32					
	s		8.7	8.6	05, 05 8.65	1.33	9.98					
	t		10.0	9.9	05, 05 9.95	.	.					
	w		f	.	.							

g' > g observed
g' > h for order.

order same

2361, 2362, 2364

11.40

Diffr. images poor.

Saturday, March 2, 1918

Scale R.

2,45

Nova Monocerotis Comparison Star Seq-

MC 14558 Pole

	Rc1	sc2	Diff	P C sc1	sc2			Diffr. sc2	sc2		
5	B.		.	7.9 ~~7.9~~	00,00 7.90	7.9	-1.41	B	.		
6	B.		.	8.7	05 05 8.75	8.8	-1.64	B	'		
8	4.5 4.2		3.73	10.8	05 05 10.75	10.7	-2.52	9.6	0 0 9.60	9.6	-1.37
9	5.5 5.2		333	11.7	00,00 11.70	11.7	-2.87	10.5	05 05 10.55	10.6	72 -1.77
10	6.0 5.7		3.02	12.2	05 05 12.25	12.3	-3.23	11.1	00,00 11.10	11.1	-2.08
11	6.5 6.2		3.05	13.0 f	00,00 13.00	13.0	-3.45	11.7	00,00 11.70	11.7	-2.15
12	7.0 6.7		2.86	13.5	00,00 13.50	13.5	-3.64	12.1	00,00 12.10	12.1	-2.24
13	7.6 7.3		2.66	/				12.7	00,00 12.70	12.7	-2.40
14	8.1 7.8	05,05 8.05 8.0	2.15					13.2	05 05 13.25	13.3	-2.60
15	8.6 8.3	05 05 8.65 8.7	2.43					f	f		
16	9.1 8.8	00,00 9.10 9.1	2.30								
17		9.5 ~~10.0~~	2.13								
18		10.0	2.06								
19		10.6	1.82								
20		11.1	1.63								
23		12.3	1.04								
25		12.8	1.07								
26		13.1	1.23								
27		13.6 f	1.09								
28			.								
29			.								
30											
31											
32											
33											
34											
35											

Saturday March 2, 1918

copied ~~30~~ 38/12

Scale R

Nova Monocerotis Comparison Stars.

MC 14557 $7^h 22^m - 6°.5$

	Sc1		sc2	cu	magn	P.C sc1 78		sc2	alt corr. .09	cu	magn.
a	B			.	.	7.5				-1.40	6.40
a¹	B			.	.	89 8.6	~~15, 15~~ 8.75	8.9	00, 00 8.90	-1.74	7.16
a²	.			.	.	.	.			.	.
b	B			.	.	8.0 7.7				-1.45	6.55
b¹	B			.	.	8.2 7.9				-1.50	6.70
c	B			.	.	8.1 7.8				$-1.5\overset{2}{8}$	6.58
d	B			.	.	9.1 8.8	~~10~~ 10 8.~~1~~0	9.0	05, 05 9.05	-1.80	7.25
e	B			.	.			9.1		-1.82	7.28
e¹	5.8 ? 5.5 ?			3.27	9.07 ?			11.5		-2.83	8.67
e²	B			.	.			10.7		-2.47	8.23
e³	5.9 5.6			3.23	9.13			11.8		-2.98	$8.\overset{8}{2}2$
f	B			.	.			9.9 ~~11.8~~		-2.14	7.76
g	5.1 4.8			3.50	8.60			10.8		-2.52	8.28
g¹	5.3 5.2			3.34	8.84			11.1		-2.65	8.45
h	5.8 5.5			3.27 ~~2.90~~	9.07 ~~8.70~~			11.6		-2.88	8.72
k	6.1 5.8			3.15	9.25			12.0		-3.05	8.95
l	6.4 6.1			3.04	9.44			12.2		-3.13	9.07
m	7.0 6.6			2.86	9.86			13.2		-3.53	9.67
n	7.2 6.9			2.80	10.00			13.5 p.f.		-3.63	9.87
n¹		.	8.9	2.30	11.10			.			
n²	8.3 8.0	05, 05 8.25	8.2	2.49	10.74			.			
o	8.2 7.9	05 05 8.15	8.1	2.50	10.65						
p	8.5 8.2	00, 00 8.50	8.5	2.40	10.90						
q	8.8 8.5	05 05 8.85	8.9	2.32	11.17						
r	8.4 8.1	05, 05 8.35	8.3	2.47	10.82						
s	8.1 7.8	05 05 8.05	8.0	2.54	10.59						
t			9.3	2.20	11.50						
u			9.0	2.29	11.29						

Sat, March 2, 1918.

Nova Monocerotis cont.

MC 14557 cont.

	pe 2	cu	magn
w	10.5	1.82	12.32
x	11.0	1.65	12.65
y	11.4	1.50	12.90
z	11.9	1.27	13.17
α	12.3	1.17	13.47
β	12.7	1.10	13.80
γ	13.0	1.11	14.10
δ	12.9	1.10	14.00
ε	13.5	1.14	14.64
33'	10.2	1.93	12.13
34'	11.3	1.52	12.82
35'	11.7	1.37	13.07
36.	12.2	1.18	13.38
37	12.8	1.10	13.90

Sat. March 2, 1918

Nova Monocerotis cont

Differ Im. MC 14557 Cont–

	sc 2		sc 2	Cu	Magn
a	B			.	.
a'	B			.	.
a²	,			.	.
b	B			.	.
b'	B			.	.
c	B			.	.
d	B		.	.	.
e	7.8	00 00 7.80	7.8	.	.
e'	10.3	05, 05 10.25	10.2	-1.64	8.61
e²	9.6	10 10 9.70	9.8	-1.41	8 8.29
e³	10.0	10 10 10.10	10.2	-1.58	8.52
f	7.9	05, 05 7.85	7.8	.	.
g	9.2	10 10 9.30	9.4	.	.
g'	10.0	00.00 10.00	10.0	-1.54	8.$\overset{4}{\cancel{3}}$6
h	10.8	05 05 10.75	10.7	-1.86	8.89
k	10 9.9	05 05 10.95	11.0	-1.94	9.01
l	11.1	10 10 11.20	11.3	2.03 -2.~~31~~	17 9.~~89~~
m	11.8	10 10 11.90	12.0	-2.23	9.67
n	12.5	00, 00 12.50	12.5	-2.40	10.10
n'	.	• e 13.5	13.5	,	.
n²	13.1	05, 05 13.05	13.0	.	.
o	13.5	00, 00 13.50	13.5	,	.
p	13.7	00, 00 13.70	13.7	.	.
q	.	.			
r					
s					

4:00 T

Monday March 4, 1918

δ Ursae Majoris remeasures

4
~~8~~:20

d 15300

g 3 v 4.66 } 9.58
v 1 g' 9.51

ac 2747

h 2 v 10.40 } 10.47
v 1 h 10.54

ac 7381

h 1 v 10.30
~~v 2 h~~

4:40

Wednesday, March 6, 1918

S~~cale~~ R — Nova Monocerotis Comparison stars

2:00 MC 14562

	ref	P.C.		Diff	cu	magn.
a	B	6.1e 5.8e		-0.51	-0.05	6.05 ~~5.75~~
a'	B	7.3 7.0		-0.52	-0.29	7.01
d²	.	.		.	.	.
b	B	6.2 5.9		-0.09	-0.08	6.12
b'	B	6.5 6.2		-0.08	-0.12	6.38
c	B	6.3 6.0		+0.19	-0.09	6.21
d	B	7.2 6.9		-0.34	-0.27	6.93
e	B	7.5 7.2		-0.42	-0.33	7.17
e'	B	.	9.8	-1.19 ~~-0.12~~	-1.17	8.63
e²	B	8.5 0.0 8.2 8.50 8.5		-0.40	-0.60	9.90
e³	B	.	9.6	-0.93	-1.03	8.57
f	B	7.9 7.6		-0.44	-0.43	7.47
g	B	8.8 0.1 8.8 8.85 8.9		-0.68	-0.70	8.15
g'	B	.	9.5? very	-1.06?	star -1.00	8.50?
h	B	.	10.2 P.C. very near	-1.60	star -1.37	mag 8.83
k	B		9.9?	-1.00	-1.20	8.70?
l	B		10.2?	-0.88	-1.37	8.83?

	P.C.	Diff	cu	magn.		Diff	cu	magn
m	4.4 4.1	5.25	5.08	9.48	11.4 g	-1.75	-1.77	9.63
n	5.1 4.8	4.81	4.80	9.90	11.7 g	-1.79	-1.80	9.90
n¹	7.1 6.8	3.97	4.10	11.20	t.p.	,	,	,
n²	6.3 6.0	4.21	4.32	10.62	t.p.	,	,	,
o	6.1 5.8	4.38	4.40	10.50	t.p.	,	,	,
p	6.8 6.5	3.93	4.18	10.98	.	,	,	,
q	7.1 6.8	4.06	4.10	11.20	.	,	,	,
r	6.5 6.2	4.26	4.27	10.77	t.p.	,	,	,
s	6.2 5.9	4.31	4.38	10.58	13.0	2.49 ~~1.44~~	,	,
t	7.2 6.9	4.36	4.08	11.28	,			
u	7.5 0.0 7.2 7.50 7.5	4.10	4.00	11.50				
v	8.3 8.0 8.30 8.3	3.93	3.77	13.07				

P.C. of fainter stars large hazy not at all comparable with scale images..

Wed - Mar. 6, 1918

MC 1456 r cont.

Scale R

	sc 2	Diff	Cu	~~Magn~~ Magna Monocerotis comp stars—
x				
y	9.5	3.45	3.37	12.87
z	9.7	3.51	3.30	13.00
α	10.2	3.18	3.12	13.32
β	10.8	3.02	2.90	13.70
γ	11.1	2.90	2.74	13.84
δ	11.4	2.56	2.6~~5~~3	14.0~~5~~3
ε	11.9 gr	2.58	2.~~54~~40	14.~~44~~30
ζ	12.6 gr	2.00	2.17	14.77
η	13.0 difficult very near bright nova	2.14	2.09	15.09
θ	13.2	2.01	2.08	15.28
κ	13.3 difficult	2.15	2.07	15.37
33	8.1	3.86	3.85	11.95
34	9.6	3.18	3.32	12.92
35	9.9	3.24	3.23	13.13
36	10.4	3.00	3.03	13.43
37	11.5	2.38	2.54	14.04

Wednesday mar 6, 1918

Scale R Nova Monocerotis comp stars

~~x~~	Diff	m		MC 14562		Cent
	sc 2		sc 2			
a	B		.			
a'	B		.			
a²	.		.			
b	B		,			
b'	B		,			
c	B		,			
d	B		,			
e	B		,	Diff	cu	magn.
e'	8.2	2,1 8.35	8.5	0.26	0.30	8.65
e²	B		,	.	.	.
e³	7.9	1,2 8.05	8.2	0.62	0.44	8.49
f	B		.	.	.	.
g	B		.	.	.	.
g'	7.8	0,0 7.80	7.8	0.64	0.60	8.40
h	8.5	1,0 8.55	8.6	0.05	0.18	8.73
k	9.1	1,0 9.05	9.0	-0.15	0.00	9.05
l	9.3	0,0 9.30	9.3	0.02	-0.04	9.26
m	9.7	0,0 9.70	9.7	-0.05	-0.13	9.57
n	10.2	0,0 10.20	10.2	-0.29	-0.28	9.92
n'	11.5	0,0 11.50	11.5g	-0.33	-0.33	11.17
n²	11.2	10.90 ?	10.6	-0.39	-0.51	10.49
Q	11.1	0,0 11.10	11.1	-0.62	-0.60	10.50
p	11.8	2,1 11.65	11.5g?	-0.92	-0.80	10.85
q	12.1	1,0 12.15	12.2	-0.99	-0.99	11.16
r	11.6	1,1 11.50	11.4	-0.74	-0.75	10.75
s	11.1	1,0 11.15	11.2	-0.64	-0.61	10.54
t	12.5		t.p.	-0.94	-1.00	11.50
u	12.2?		t.p.	-0.60	-0.91	11.29?

~~[illegible]~~ [illegible] other images very near } k, l

Diffi. on fainter stars poor and very difficult lower images – majority of stars apparently fainter & less well defined than the upper.

3:20 10 t.p.

Wednesday ~~Tuesday~~ March 13, 1918

Scale R

Nova Monocerotis comparison stars

9:50 MC 14570 Pale

	sc1		sc2	Diff	PC sc2		sc2	Diff	Diffr Im- sc2 ~~B~~ B		sc2 ~~3~~ B	Diff
5	B			,	2 ~~9.0~~	0,1 9.15	9.1	-2.66				
6	B			,	10.0	0,0 10,00	10.0	-2.89	8.6	0,0 8,60	8.6	-1.49
8	5.3 5.0			2.93	11.5	0 0 11.50	11.5	-3.27	10.5	0,0 10,50	10.5	-2.27
9	6.2 5.9			2.63	12.5	0,0 12.50	12.5	-3.67	11.5 ~~11.9~~	0.0 11.50	11.5	-2.67
10	6.7 6.4			2.32	13.2	0,0 13,20	13.2	-4-18	11.9	1,0 11.95	12.0	-2.93
11	7.2 6.9			2.35	13.7	0,0 13,70	13.7	-4-15	12.8	0,1 12.75	12.7	-3.20
12	7.4 7.4			2.16	f		f		13.2	1,1 13,10	13.0	2 -3.34
13	8.3 8.0	0 0 8.30	8.3	2.00					13.5	0,0 13,50	13.5	-3.20
14	8.9 8.6	1 0 8.95	9.0	1.70								
15			9.5	1.58								
16			10.0	1.40								
17			10.6	1.03								
18			11.0	1.06								
19			11.6	0.82								
20			12.1	0.63								
23			12.7	0.64								
25			13.3	0.57								
26			13.7	0.63								
27			13.9	0.79								
28			f.									

copied 38!2

Wed. March 13, 1918

Scale R. Nova Monocerotis Comparison stars.

MC 14571 7h22 -6°.5 alt. corr. -.04

	sc1		sc2	cu	magn	P.C sc2	cu	magn
a	B					8.1e	.	.
a'	B					9.2	-2.63	6.57 ~~63~~
a²	.					.		.
b	B					8.5	-	.
b'	B					8.8	,	.
c	B					8.6e	,	
d	B					9.6e	-2.74	6.86
e	B					9.9	-2.83	7.07
e'	5.8 5.5			2.75	8.55	12.4	-3.67	8.73
e²	.					11.5	-3.33	8.17
e³	.					12.3	-3.63	8.67
f	.					10.7	-3.08	7.62
g	.					11.7	-3.41	8.29
g'	5.9 5.6			2.72	8.62	12.1	-3.55	8.55
h	6.2 5.9			2.63	8.83	12.2 difficult near st.	-3.60	8.60
k	6.5 6.2			2.54	9.04	12.5	-3.71	8.79
l	6.8 6.5			2.43	9.23	f		
m	7.3 7.0			2.29	9.59			
n	7.5 7.2			2.21	9.71			
n'	9.3 9.0	1,1 9,40	9.5	1.58	10.98			
n²	84 8.1	0.1 8.45	8.5	1.90	10.35			
o	8.3 8.0	0,0 8,30	8.3	1.95	10.25			
p	8.8 8.5.	0 0 8,80	8.8	1.78	10.58			
q			8.9	1.75	10.65			
r			8.6	1.85	10.45			
s			8.7	1.80	10.50			
t			10.1	1.34	11.44			

Wed. Mar. 13. 1918

Scale R.

Nova Monocerotis

MC 14571 cont- alt corr -.04

	sc2	cu	magn.	
u	9.6	1.50	11.10	
w	11.1	$0.\overset{9}{4}8$	12.08	
x	11.9	0.72	12.62	
y	12.6	0.59	13.19	
z	13.6?	0.65	14.25	Reject. Image defective March 15, 1918.
α	12.9	0.58	13.48	
β	f	.		
25'	8.1	2.00	10.10	
33'	10.8	1.08	11.88	
34'	12.1	0.68	12.78	
35		.		
36	.	.		
37	.	.		
γ	13.3	0.60	13.90	
δ	.			

Images all poor and misshapen elongated.

Wed-March, 13, 1918

Scale R

Nova Monocerotis.

11:15 Diffr-Inc. MC 14571 Cent- alt corr -.04

				Ce	Magn.
a	.				
a'	.				
a²	.				
b	.				
b'	.				
c	.				
d	.				
e	.		.	.	.
e'	11.0	0,0 11.00	11.0	-2.49	8.51
e²	10.2	0,0 10.20	10.2	-2.14	8.06
e³	11.2	1,1 11.10	11.0	-2.53	8.57
f'	8.8	0,1 8.75	8.7	-1.57	7.18
g	10.1	0,0 10.10	10.1	-2.10	8.00
g'	10.6	2,1 10.75	10.9	-2.~~45~~39	8.~~30~~36
h	11.1	1,0 11.05	11.0	-2.51	8.54
k	11.7	1,0 11.75	11.8	-2.79	8.96
l	12.0	0,1 12.05	12.1	-2.92	9.13
m	12.2	0,0 12.20	12.2	-2.99	9.21
n	12.8	1,1 12.90?	13.0?	-3.21	9.69?
n' p	.		.		.
n² p	13.5	1,0 13.55	13.6	-3.20	10.35
o q	13.8	0,1 13.75	13.7	-	-
p r					
q o			.		
r t			.		
s		13.4	13.4	-3.22	10.~~2~~18
t					
u					

Tuesday March 19, 1918

Scale R Nova Monocerotis Comp-Stars-

10 00 Mc 14590 Pole P.e. Diffr

	sc1		sc2	Diff	sc2	sc2			sc2	sc2	
						8.00 1 1 p.e.1	8.1				
5	B			.	8.0	7.9	7.8	-1.51	B	R	,
						8.88 10	8.8				
6	B			.	8.8	8.9	8.5	-1.74	B	B	,
						10.20 00 sc.2					
8	B			.	9.9	10.2	10.2	-1.97	9.5	B	-1.27
	44					11.05 01			10.35 12		
9	4.1			4.43	10.7	11.0	11.1	-2.22	10.5 ? g	10.2	-1.52
	55					11.55 1 0	6		10.80 00		
10	5.2			3.52	11.2	11.5	11.8	-2.53	10.8	10.8	-1.78
	62					12.10 00			11.30 00		
11	5.9			3.35	11.8	12.1	12.1	-2.55	11.3	11.3	-1.75
	6.8					12.55 1 0			11.80 00		
12	6.5			3.06	12.3	12.5	12.6	-2.69	11.8	11.8	-1.94
	7.4					13.10 00			12.30 00		
13	7.1			2.90	12.8	13.1	13.1	-2.80	12.3	12.3	-2.00
	7.9					13.50 00					
14	7.6			2.75	13.4	13.5	13.5	-2.85	12.9	f.p.	-2.25
	84	8.35 0 1				13.80 00			13.25 1 0		
15	8.1		8.3	2.73	13.8	13.8	13.8	-2.72	13.3	13.2	-2.17
	8.8	8.80 00							13.55 1 0		
16	8.5		8.8	2.60	f		f	.	13.5	13.6	-1.95
									13.95 0 1		
17			9.3	2.33					14.0	13.9	-2.32
18			9.8	2.26					f	f	,
19			10.2	2.22							
20			10.7	2.03							
23			11.3	2.04							
25			12.2	1.67							
26			12.5	1.83							
27			13.0	1.69							
28			13.7	1.41							
29			14.0	1.66							
30			f	;							

Tuesday March 19, 1918

Copied 38:1.2

Scale R.

Nova Monocerotis

MC 14591 $7^{h}21^{m}$ $-6^{\circ}.5$ alt corr -.02

	sc 1	sc 2			P.C. sc 1	sc 2		
a	'				7.3 7.0		.	.
a'	,				8.1 7.8	8.10 00 8.1	-1.51	6.59
d²	,				.	.	.	.
b	,				7.5 7.2		.	.
b'	,				7.8 7.5		.	.
c	,				7.4 7.1 q		.	.
d	,					8.2	-1.55	6.65
e	,					8.6	-1.64	6.96
e'	,					11.2	-2.30	8.90
e²	,					10.0	-1.97	8.03
e³	,					11.0	-2.24	8.76
f	,					9.2	-1.77	7.43
g						10.1	-1.99	8.11
g'	,					10.5	-2.09	8.41
h	,					star in near. 10.7	-2.15	8.55
k	,					11.1	-2.27	8.83
l	5.8 5.5		3.50	9.30		11.9	-2.48	9.42
m	6.1 5.8		3.36	9.46		12.3	-2.59	9.71
n	6.8 6.5		3.12	9.92		12.8	-2.73	10.07
n'	8.3 8.0	8.30 00 8.3	2.66	10.96		f	,	,
n²	7.5 7.2		2.89	10.39		f	,	.
o	7.8 7.5		2.81	10.61		star in superposed		
p	8.1 7.8	8.05 10 8.0	2.73	10.78				
q	8.6 8.3	8.60 00 8.6	2.58	11.18				
r	8.0 7.7	7.95 01 7.9	2.76	10.71				
s	7.6 7.3		2.85	10.45				
t		9.1	2.46	11.56				

Tuesday March 19, 1918

Copied 38!2

Nova monocerotis cont

mC14591 Cont.

alt corr. −.02

	sc2			
u	9.3	sc1	2.41	11.71
w	9.8		2.27	12.07
x	10.2		2.18	12.38
y	11.0		2.01	13.01
z	11.3		1.95	13.25
α	11.8		1.86	13.66
β	12.2		1.80	14.00
γ	12.5		1.75	14.25
δ	12.3		1.78	14.08
25'		7.0 6.8	3.04	10.04
33'	9.5		2.35	11.85
34'	10.5		2.11	12.61
35	11.1		1.99	13.09
36	11.8		1.86	13.66
37	12.3		1.78	14.08

Tuesday March, 19, 1918 — copied 38.12

Scale R Nova Monocerotis

~~12:00~~				mc 14591	cont.		alt. corr.' -.02	
	g		h				g	h -12.2 10.28
a	.		.			25'	st ~ .	12.3
a'	.		.			33'	f	f
a²	.		.					
b	.		.					
b'	.		.					
c	.		.					
d	.		.					
e	.		.					
e'	10.0	995 01	9.9	-1.46	8.49			
e²	~~9.8~~ 9.2	910 11	9.0	.	.			
e3	9.8	980 00	9.8	-1.41	8.39			
f	7.5	7.50 00	7.5	.	.			
g	9.3	925 10	9.2	.	.			
g'	9.5 7	975 10	9.8	-1.39	8.36			
h	10.0	10.00 00	10.0	-1.47	8.53			
k	10.5	10.55 10	10.6	-1.61	8.94			
l	11.0	11.00 00	11.0	q -1.71	9.29			
m	11.5	11.50 00	11.5	-1.83	9.67			
n	11.8	11.80 00	11.8	-1.91	9.89			
n'	13.0	13.00 00	13.0	-2.13	10.87			
p²	12.4	12.45 01	12.5	-2.06	10.39			
o	12.0	12.10 11	12.2	-1.98	10.12			
p	12.6	1270 11	12.8	-2.10	10.60			
q	13.3	13.30 00	13.3	-2.15	11.15			
r	stm ~ near		13.1	-2.14	10.96			
s	12.9	12.40 11	12.5	-2.16	10.24			
t	13.7 ?	13.75 10	13.8	-2.15	11.60			
12:00 u	14.0	13.90 11	13.8	-2.15	11.75			

Saturday, March 23, 1918

11:30 AC6956 Superposed on B 13409 = AC4417
12.20 30 blocks observed –

2:00 – 2:20′ 10 blocks

March 25 8:50 to 9:20 = 50 blocks observed –
Completed

Friday May 3 1918

3:00 Examination of Suspected variables from ac 4417

ac 9160 1 ns?
4 faint

ac 9711 1 ns

ac 11~~04~~6 318 1 ~~Normal~~

ac 12691 17 ~~the~~ on 4417

ac 14635 5 bright
6 faint

ac 4771 5 ns

ac 4428
" 4279
" 3939
" 3904
" 3888
" 4872
" 3751
" 4771
13408
14635
15098

3:45

Saturday, May 17, 1918

Nova Geminorum No 1

9:45 MC 4834 Pole

MC4840 P176 PC

	Se 1		se 2	MC 4840 P176			← Diff	Diff →		Se 1	se 2	
5	B							-0.61	0 0 7.0	7.1 6.8		7.1
6	B							-1.04	0 1 8.15	8.2 7.9		8.1
8	5.1 4.8			4.4	3.4 4.8	3.4 4.75	3.48	-1.62	0 1 9.85	~~9.8~~	9.8	9.9
9	6.1 5.8			5.5	3.3 5.8	3 3 5.80	3 3.08	-1.87	1 1 10.70	~~10.6~~	10.6	10.8
10	6.2 5.9			5.7	2, 3 6.0	2, 3 5.95	3.07	-1.88	1 1 10.90		10.8	11.0
11	6.5 6.2			6.8	1 2 6.6	1 2 6.65	2.90	-2.10	1 2 11.65		11.8	11.8
12	6.8 6.5			7.2	7.00	2 2 7.00	2.86	-2.19	1 2 12.05		11.9	12.2
13	7.3 7.0			7.8		3, 2 7.55	2.75	-2.25	1 0 12.55		12.5	12.6
14	7.8 7.5			8.15		2, 2 7.98	2.67	-2.50	0 1 13.15		13.2	13.1
15	8.2 7.9			8.4		1 1 8.30	2.78	-2.42	.6 13.5			13.5
16	8.6 8.3	0.1 8.55	8.5	8.9		1, 2 8.72	2.68					
17			8.9	9.4		3, 2 9.15	2.48					
18			9.6	9.8		1 1 9.70	2.36					
19			10.1	10.3		1, 1 10.20	2.22					
20			10.6	10.8		1, 1 10.70	2.03					
23			11.5	11.2		1, 2 11.35	1.99					
25			12.4	12.0		2, 2 12.20	1.67					
26			12.8	12.5		2, 1 12.65	1.68					
27			13.1	12.9		1 1 13.00	1.69					
28			13.5	13.1		2, 2 13.30	1.81					
29			13.9	13.5		2, 2 13.70	1.96					
30			14.2	13.8		2, 2 14.00	2.04					
31												

Saturday May 17, 1918

Diffr. Nova Aql. 1

mc 48,34 cent -

	g	h		← mc 4840 p 176		
5	B		B	.	mean	Diff.
6	7.9	1. 7.9	B	8.05	1.0 7.98	− .87 + ~~1.19~~
8	9.4	1,1 9.30	9.2	9.30	0 0 9.30	− 1.07
9	10.3	1,1 10.20	10.1	10.20	0,0 10.20	−1.37
10	10.6.	0 1 10.55	10.5	10.60	0,0 10.58	−1.56
11	11.2 ~~10.2~~	0,1 11.25	11.3	11.25	0 0 11.25	−1.70
12	11.8 ~~10.6~~	0.0 11.80	11.8	11.75	0.0 11.78	−1.92
13	12.2	0.0 12.20	12.2	12.25	0.0 12.22	−1.92
14	12.7	1 0 12.75	12.8	12.50	1 1 12.62	−1.97
15	12.9	1,1 13.00	13.1	12.80	1,1 12.90	−1.82
16	13.6	0 1 13.55	13.5	13.25	15, 15 13.40	− 2.00
17	14.0	0,1 13.95	13.9	13.60	1,2 13.78	− 2.15 − ~~1.72~~
18	f		f	f		
19						
20						
23						
25						
26						
27						
28						
29						
30						
31						

Saturday May 17, 1918

Copied 9:86

Nova Gem no 1

Pt corr. +.21

MC 4837 6h 40m + 30°.0

PC

	AC1		SC2	a	~~Magn~~	1 21	a	~~P.C.~~ Magn
a	B			:	.	8.~~1~~	-1.05	7 ~~6~~.15
b	B							
c	B			.	.	b 9.2	-1.40	7.80
						c 9.5	-1.51	7.99
d	5.4 5.1			3.19	8.59	10.4	-1.~~84~~	8.60
e	5.9 5.6			3.08	8.98	11.1	-1.98	9.12
f	6.1 5.8 7.6			3.05	9.15	11.4	-2.0~~8~~4	9.36
f'	7.3 65			2.76	10.36	12.5	-2.30	10.20
g	6.2			2.96	9.46	11.7	-2.12	9.58
h	~~6.9~~ Double			.	:	Double	.	,
h'	6.9 7.2			2.82	10.02	12.1	-2.21	9.89
k ~~l~~	7.9 7.6			2.70	10.60	12.7	-2.33	10.37
l ~~k~~	7.7 7.4			7.4 2.~~67~~	44 10.~~37~~	12.9	-2.37	10.53
m	8.2 7.9			2.67	10.87	?		.
n	8.5 8.2	1,0 8.45	8.4	2.61	11.06			
o			9.1	2.49	11.59			
p			9.3	2.45	11.75			
q			9.6	2.36	11.96			
r			10.3	2.18	12.48			
s			10.7	2.07	12.77			
t			10.5	2.11	12.61			
u			11.1	1.95	13.05			
w			11.6	1.80	1~~4~~3.40			
x			12.0	1.72	13.72			
y			11.8	1.77	13.57			
z			12.2	1.68	13.88			
α			12.4	1.67	14.07			
β			12.7	1.67	14.37			
γ			12.9	1.69	14.59			
δ			13.2	1.75	14.95			
ε			13.9	2.01	15.90			

Saturday May 17, 1918

Differ Nova Gem no 1

mc 4837 cont

	g		h	~~Cu~~	magn.
a	B		B		
b	9.0	0,0 9.00	9.0	-1.10	7.90
c	9.8	1,1 9.70	9.6	-1.30	8.40
d	10.4	0 0 10.40	10.4	-1.52	8.88
e	10.9	1 0 10.85	10.8	-1.62	9.23
f	11.2	0 1 11.15	11.1	-1.71	9.44
f'	12.3	1,0 12.25	12.2	-1.90	10.35
g	11.5	0,0 11.50	11.5	-1.80	9.70
h	Double			1	
h'	11.8	0 0 11.80	11.8	-1.84 im	9.96 peculiar
l	12.5	0 0 12.50	12.5	-1.93	10.57
k	12.2	0 1 12.25	12.3	-1.90	10.35
m	13.0	0 1 12.95	12.9	-1.98	10.97
n	13.2	0 0 13.20	13.2	-1.98	11.22
o	13.5	13.5	f.p.	-1.99	11.51
p	13.8	13.8	stain	2.00	11.80
q	ff				
r	u				
s					
t					
u					

Saturday May 17, 1918

	mc 4840		Pole	Differ		
	2C1	8C2	9C	g	h	
5	B		7.1	B	B	
6	B		8.1	8.0 0,1 8.15	8.1	0 1 8.05
8	4.4 4.1		9 ~~8~~.9	9.3 0 0 9.30	9.3	0 0 9.30
9	5.5 5.2		10.8	10.2	10.2	0 0 10.20
10	5.7 5.4		11.0	10.5	10.7	1 1 10.60
11	6.9 6.5		11.8	11.2	11.3	0 1 11.25
12	7.2 6.9		12.2	11.7	11.8	0 1 11.75
13	7.8 7.5		12.6	12.2	12.3	0 1 12 25
14	8.3 1,2 8.0 8.15	8.0	13.1	5 12.~~8~~	12.5	0 0 12.50
15		8.4	13.5	12.8 ~~13.5~~	12.8	0 0 12.80
16		8.9	f	13.3	13.2	1 0 13.25
17		9.4		13.5	13.7	1 1 13.60
18		9.8		f	f	
19		10.3				
20		10.8				
23		11.2				
25		12.0				
26		12.5				
27		12.9				
28		13.1				
29		13.5				
30		13.8				
31		f				

1:05

Friday, June 7, 1918

A Calc M.   Nova Aquilae No 1

9.45	am 12072	am 12392	am 12096	am 11957	
	ac 2				
a	5.5	5.~~4~~2 q	5.5	5.4	~~5.48 0 3 1 0~~
a'	6.1	6.8	6.3	6.2	~~6.20 1 0.1 0~~
a²	6.5	6.6	6.7	6.6	~~6.60 1 0 1 0~~
b	7.5	7.3	7.5	7.5	~~7.45 1 1 1 1~~
c	7.4	7.2	7.4	7.4	~~7.35 0 2 0 0~~
d	7.6	7.5	7.8	7.8	~~7.78 1 2 4~~

10:20

	Diff				mean	Resid
~~a~~						
~~a'~~	~~0.6~~ ~~6~~	~~10~~	~~8~~	~~8~~	~~.80~~	
~~a²~~	~~0.4~~	~~4~~	~~4~~	~~4~~	~~.40~~	
~~b~~	~~1.0~~	~~7~~	~~8~~	~~9~~	~~.85~~	
~~c~~	~~0.1~~ ~~1~~	~~1~~	~~1~~	~~1~~	~~.10~~	
~~d~~	~~0.2~~	~~3~~	~~4~~	~~4~~	~~.32~~	

	12072	12392	12096	11957	mean	Resid	Sums Diff	en magn		
a	.	.	,	.	.	. . .	0.00	6.71	6.71	6.71
a'	6	10	8	8	.80	2 2,00	0.80	.	7.63	7.43
a²	4	4	4	4	.40	0 0 0 0	1.20	.	6.60	7.80
c	9	6	7	8	.75	1, 2, 1, 0	1.95	6.51	6.51	8.46
b	1	1	1	1	.10	0, 0, 0, 0	2.05	6.40	6.50	8.55
d	1	2	3	3	.22	1 0, 1, 1	2.27	6.53	6.49	8.76

Tuesday, June 11, 1918

Scale R Nova Aquilae No 3

11:00 MC P 5782 Pole.

	SC 1		SC 2		From P.180	Mean	Res.	Diff	P.C.	From P.180	Mean	Res.	Diff.
5	B								9.1	9.2	9.15	05 05	-2.66
6	B								10.1	10.2	10.15	05 05	-3.04
8	5.6	5.9		5.90	6.00	5.95	05 05	2.28	12.1	12.1	12.10	00 00	-3.87
9	6.5	6.8		6.80	6.90	6.85	05 05	1.98	12.9	12.9	12.90	00 00	-4.07
10	6.8	7.1		7.10	7.20	7.15	05 05	1.87	13.2	13.1	13.15	05 05	-4.13
11	$\overset{6}{7.8}$	7.9		7.90	8.20	8.05	15 15	1.50	13.7	9f.			
12	8.4	8.7	8.6	8.65	8.80	8.72	07 08	1.14	-				
13			9.1	9.10	9.15	9.12	02 03	1.18					
14			9.7	9.70	9.60	9.65	05 05	1.00					
15			10.3	10.30	10.10	10.20	10 10	0.88					
16			10.7	10.70	10.60	10.65	05 05	0.75					
17			11.0	11.00	10.90	10.95	05 05	0.68					
18			11.5	11.50	11.40	11.45	05 05	0.61					
19			11.9	11.90	11.90	11.90	00 00	0.52					
20			12.3	12.30	12.40	12.35	05 05	0.38					
23			12.8	12.80	12.80	12.80	00 00	0.54					
25			13.2	13.20	13.30	13.25	05 05	0.62					
26			13.9f	13.90	13.80	13.85	05 05	0.48					
27			no										
28			no										
29			no										
30			no										

Tuesday, June 11, 1918 copied B38:15

Nova Aquilae No 3 alt. Corr. +.06 Alt Corr Included

MC 5786 18h 37m 0°.0

	SC 1	SC 2		Cu.	Mag.	sc1 P. C sc2	Cu.	Mag.
e	B					7.5 7.8	e	e
g	B					8.6	e star img	e near
h	B					~~8.6~~ 4	e	e
k	B					8.9	e	e
l	B					~~8.4~~	–	–
n	B					10.7	−3.30	7.46 ~~.06~~
o	5.0	5.3		e	e	11.1	−3.45	7.71
p	5.9	6.2		2.18	8.44	11.5	−3.60	7.96
q	6.2	6.5		2.08	8.64	star in	~~ti~~ near	–
r	6.7	7.0		2.03	9.09	12.8	−4.06	8.80
s	7.2	7.5		1.75	9.31	13.2	−4.16	9.10
t	7.7	8.0		1.53	9.59	13.6	e	–
u	8.2	8.5	8.5	1.35	9.91	~~f~~	~~e~~	–
w			8.9	1.24	10.20			
x			9.5	1.04	10.60			
y			9.7	0.98	10.74			
z			10.0	0.90	10.96			
α			10.6	0.74	11.40			
β			10.9	0.68	11.64			
γ			11.3	0.60	11.94			
δ			11.7	0.55	12.31			
ε			12.1	0.52	12.68			
ζ			12.5	0.51	13.07			
μ			12.9	0.52	13.48			
Q			13.5 g	0.54	14.10			

Alt. corr. included

Tuesday, June 11, 1918

Nova Aquilae No 3

MC 5787 Pole

	sc1		sc2		P.C.
5	B				9,2
6	R				10.2
8	5.7	6.0		6.00	12.1
9	6.6	6.9		6.90	12.9
10	6.9	7.2		7.20	13.1
11	7.9	8.2		8.20	+
12	8.5	8.8		8.80	
13	8.9	9.2	9.1	9.15	
14			9.6	9.60	
15			10.1	10.10	
16			10.6	10.60	
17			10.9	10.90	
18			11.4	11.40	
19			11.9	11.90	
20			12.4	12.40	
23			12.8	12.80	
25			13.3	13.30	
26			13.8	13.80	
27			+		
28					
29					
30					

12:00

Tuesday June 11, 1918

Scale M Nova Aquilae No 3

2:46 AC19972 Relative Magnitudes (Re-reduced with diff. mags. for scale)

	sc 1	sc 2	Diff	Cu	Magn	Diff.	Cu.	Mag.
A	edge				β			
B	not on plate:				γ			
C	edge				δ			
a	1.5 1.6	Bright	2 2.42	2.00	3.50	2.22B	2.00	~~4.22B~~ 3.50B
b	1.7 1.5		1.8 2.23	2.06	3.76	1.83	2.04	3.74
c	edge							
d	2.1 1.9?		1 2.34	2.14	4.24	—	2.13	4.23
e	2.7 2.5 g		2 2.42	2.22	4.92	2.22	2.27	4.97
f	3.0 2.8		6 2.80	2.25	5.25	2.60	2.35	5.35
g	3.5 3.3		1 2.38	2.30	5.80	2.18	2.46	5.96
h	3.9 3.7 e		1.9 2.10	2.31	6.21	1.90	2.52	6.42
k	3.9 3.7 g		3 2.56	2.31	6.21	2.46	2.52	6.42
l	4.2 4.0		5 2.78	2.30	6.50	2.60	2.52	6.72
m	4.7 4.5					2.65	2.50	7.20
n	5.2 5.0					2.39	2.46	7.66
o	5.5 5.3					2.40	2.42	7.92
p	6.0 5.8					2.35	2.37	8.37
q	6.4 6.2					2.27	2.33	8.73
r	6.7 6.5	6.70°° 6.7				2.34	2.30	9.00
s	7.1 6.9	7.10°° 7.1				2.22	2.25	9.35
t		7.6				2.18	2.21	9.81
u		7.9				2.15	2.20	10.10
w		8.3				2.02	2.18	10.48
x		8.6				2.13	2.19	10.79
y		8.8				2.18	2.20	11.00
z		9.0? g				2.24?	2.20?	11.20?
&		9.2?				2.41?	2.22?	11.42?

· The fainter stars of · sequence are not · comparable with the scale though ~~that~~ they are easily · seen in the plate

3:10

Wednesday, June 12, 1918

Scale N — Nova Aquilae No 3

10:45 — A D13896 for Relative Magn. $18^{h}00$ $0^{\circ}0$

(Re-reduced with different mags for scale

	A		B		C	Diff	Cu	Mags	Diff.	Cu.	Mag.
A	Too near edge								.	.	
B	1.6 1.8		.		.	0.68	1.03	2.63	0.68	0.94	2.54
C	1.9 2.1		.		.	1.12	1.00	2.90	1.12	0.95	2.85
Aquilae γ	Edge distorted.										
" ε	3.7		4.1		.						
Ophiuchi 72	3.5		4.0		.						
" 70	4.3		4.8		4.4						
" β	3.5		3.9		.						
" 74	5.5		5.9		5.4						
Scuti β	5.2 g		5.5		5.0						
a	2.8 3.2		3.2 g		.	0.92	0.85	3.65	0.92	0.92	3.72
b	3.0 3.6 g	2.90^{11}	2.8 3.2 g		.	0.63	0.83	3.73	0.63	0.91	3.81 ~~3.91~~
c	3.2 3.4	3.30^{11}	3.4 3.8		.	1.12	0.74	4.04	1.12	0.85	4.15 ~~4.05~~
d	3.4 3.6	3.50^{11}	3.6 4.0		.	0.74	0.68	4.18	.	0.82	4.22
e	4.9 5.1	4.83^{070303}	4.8 5.2		4.8	0.09	0.29	5.12	0.09	0.40	5.23 ~~5.30~~
f	.		5.1 5.5	5.15^{10}	5.2	0.45	0.22	5.37	0.46	0.33	5.43
g	.		5.4 5.8	5.45^{01}	5.5	0.23	0.18	5.63	0.23	0.26	5.66
h	.		5.7 6.1	5.75^{10}	5.8	0.05	0.16	5.91	0.05	0.19	5.89
k	.		6.1 6.5	6.10^{00}	6.1	0.16	0.13	6.23	0.26	0.14	6.24
l			6.7 7.1	6.60^{11}	6.5	0.18	0.14	6.74	0.20	0.10	6.80
m			7.4 7.8	7.35^{01}	7.3	.			0.00	0.05	7.45
n			.								

o Images fainter than n are small
p very black ∴ they are not easily
q comparable with the scale.
r
s

11:10

Thursday, June 13, 1918

Scale N Nova Aquilae No 3

9:30 a.d. 14014 18^{oo} 0°.0 For Rel Magn. Re-reduced with diff. mags fur scale

		A		B	C	Diff	Cu	Magn	Diff.	Cu.	Mag.
	A	Q		.					.		
	B	1.7 1.9		.	.	0.58	1.08	2.78	0.58	0.93 ~~0.95~~	2.63
	C	1.9 2.1		.	.	1.12	1.05	2.95	1.12	0.90 ~~0.92~~	2.80
Aquilae	γ	c		.	.	.				.	
"	ε	3.6		3.9							
Ophiuchi	72	3.8		4 3.1							
"	70	4.5		5.1	4.6						
"	β	3.6		4.2							
"	74	5.5		6.0	5.5						
Scuti	β	5.3		5.8	5.4						
	a	2.7 2.9	2.65^{10}	2.6 3.0?	.	1.07	0.87	3.52	1.07	0.77 ~~0.77~~	3.42
	b	2.9 3.1	3.00^{11}	3.1 – 3.5	.	0.53	0.77	3.77	0.53	0.71 ~~0.71~~	3.71
	c	3.4 3.6	3.60^{22}	3.6 4.2	.	0.82	0.60	4.20	0.82	0.56 ~~0.55~~	4.16
	d	3.4 3.6	3.50^{11}	3.6 4.0	.	0.74	0.64	4.14	.	0.61	4.01
	e	4.9 5.1	$4.97^{07\,0303}$	5.0 5.4	5.0	−0.05	0.23	5.20	−0.05	0.23 ~~0.20~~	5.20
	f			5.3 5.7 $5.45^{2\;10\;\cancel{11}}$	5.2	0.35	0.16	5.41	0.35	0.16 ~~0.13~~	5.41
	g			5.6 6.0 5.60^{00}	5.6	0.08	0.10	5.70	0.08	0.07 ~~0.05~~	5.67
	h			5.93 6.3 5.85^{10}	5.8	−0.05	0.05	5.90	−0.05	0.03 ~~−0.03~~	5.88
	k			6.4 6.8 6.25^{21}	6.1	0.01	−0.03	6.22	0.11	−0.03 ~~−0.13~~	6.22
	l			6.9 7.3 6.90^{00}	6.9	−0.12	−0.14	6.76	−0.10	−0.07 ~~−0.30~~	6.83
	m			7.4 7.8 7.40^{00}	7.4				−0.05	−0.05	7.35
	n			.							

9:35

Thursday, June 13, 1918

Scale M

Nova Aquilae No 2

10:00 ad 10981 $20^{h}00^{m}$ 0°.0 For Rel. Magn

Re-reduced with new mags for scale

		a		b	Diff		Cu magn	Diff. Cu.	Mag.
	A	1.0 1.2		6	0.03			0.03	
	B	e		.				.	
	C	1.9 2.1		.	1.12			1.12	
Aquilae	γ	3.8		4.2					
"	ε	3.6		4.0					
Ophiuchi	72	e							
"	70	e							
"	3	e							
"	74	e							
Scuti	β	.							
	a	3.0 3.2	3.05^{01}	3.1 3.5	0.67	0.58	3.63	0.67	
	b	3.0 3.2	3.05^{01}	3.1 3.5	0.48	0.58	3.63	0.48	
	c	e		.				.	
	d	3.4 3.6	3.40^{00}	3.4 3.8	0.84	0.89	4.29	.	
	e	e						.	
	f	4.2 4.4	4.20^{00}	4.2 4.6	1.40	1.42	5.62	1.40	
	g								
	h								
	k								
	l								
	m								
	n								
	o								
10:10	p								
	q								

Thursday, June 13. 1918

Scale N — Nova Aquilae No 3

10:15 A D10988 $20^{h}00$ 0.0 For Rel. magn.

		a	b	c Diff	Cu magn	Diff. Cu. Mag.
	A	0.9 1.1	β	0.13		0.13
	β	.	,			.
	C	1.9 2.1	β	1.12		1.12
Aquilae	γ	3.6	3.9			
	ε	3.5	3.8			
Ophiuchi	72	.	.			
	70	,	.			
	β	.	.			
	74	,	.			
Scuti	β	4.8	5.0			
	a	3.0 3.10^{-11} 3.2	3.2 3.6	0.62 0.65	3.75	0.62
	b	2.9 3.00^{-11} 3.1	3.1 3.5	0.53 0.56	3.56	0.53
	c	.				.
	d	3.3 3.35^{-10} 3.5	3.4 3.8	0.89 0.87	4.22	.
	e	.				.
	f	4.1 4.15^{-10} 4.3	4.2 4.6	1.45 1.40	5.55	1.45
	g	,	,			

Re-reduced with new mags for scale

Sequence on both A D10981 & 10988 was near the edge of the plate so, only those stars, ~~were measured~~ which had good images comparable with the scale were measured

n.w.z.

10:20

16
11
27