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Book 3.
o Ceti – chart
Nova Aq. No 3 after June 8, 1918

Dorothy W. Block.

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? Doubtful observation.

d Discordant observation rejected on later examination.

e Edge of plate.

f Image extremely faint, near limit of visibility.

i Trails or elongated images.

p. Poor plate.

g. Poor image, good plate.

c.s.d Comparison stars distant.

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Any scale measures recorded ~~made~~ in this book, although arranged in regular order on the page, were ~~observed~~ promiscuously

H. W. Blodgett

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Information for Comparison Stars for
021403. o Ceti

I. Number of Reference Plates.

MC 6328
AC 5706
AD 13090

II. Marked Chart.

021403 Sample Chart.
Enlargement plate E 6502
Enlar — of Durch. Chart.

III. Comparison stars employed — Mags. to tenths

k	3.8	t	5.7	α'	7.6	E	10.3
l	3.8	t'	6.1	α²	7.8	S	10.7
m	3.9	y	6.3	β	8.3	η	10.8
n	4.3	y'	6.7	β'	8.7	θ	11.3
n'	4.5	z	6.6	γ	9.8		
o	5.0	z'	7.4	δ	9.2		
o'	5.2	α	7.5	δ'	9.6		

Comp. stars for transit photometer plates.

marked on M2197

1	Pole	2.8	6 e	5.5			
2	a	3.9	7 f	5.7	11 l	6.6	
3	b	4.6	8 g	6.0	12 m	6.6	
4	c	5.2	9 h	6.1	13 n	6.8	
5	d	5.3	10 k	6.5			

Designations changed to numbers for printer's copy to avoid confusion with regular sequence.

IV Source of mags. ——→

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Wednesday 14
~~Tuesday~~ Nov. ~~13~~, 1917

Comparison Stars for o Ceti on Ad 5429

k 1 l
l 0 m
m 2 n
n 0 n'
n' 2 0
0 3 0'
0' 3 r
r 0 t
t 1 t'
t' 1 w
w 2 x
~~x 3 z~~
x 1 y
y 2 z
z 1 ~~2~~ x
~~y' 2 w~~
z 1 y'
y' 2 u
u 3 z'
z' 0 α
α 1 α'
α' 2 β
β 2 β'
β' 1 δ
δ 2 δ'
δ' 1 γ

The final adopted mags. for the regular sequence is the mean of:—

① Ptg. from Bk 9:34
② Ptg. computed (Extn corrected for Spec.)
③ Rel. mags. from 4 Ad plates.
④ Rel. " " 4 Ae "

It is the mean of columns ~~X~~, XIII, ~~XV~~ & XVI of the double comp. star sheets.

For Transit photometer plates the mags are:— The Extn. mags from H.A. 50+54 corrected for Spec. and further corrected for ~~alt.~~ atmospheric absorption & reduced to alt. of variable.

In the case of α Urs-minoris the mag. used is the mag. for 1s in H.A. 71 part 3 Table 76

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Wednesday Nov. 14, 1917.

Comparison Stars for o Ceti on A.D. 5485

k o m
m 1 l
l 1 n
n 3 n'
n' 1 0
0 2 0'
0' 2 N
N 0 T
T 3 T'
T' 1 W
W 2 X
X 1 Y
Y 1 Z
~~Z 2 Y'~~
Z 1 3
3 1 Y'
Y' 1 W
W 3 3'
3' 2 Δ
Δ 0 Δ'
Δ' 2 B
B 2 B'
B' 1 Γ
Γ 2 Γ'
Γ' 1 Γ

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Wednesday Nov. 14, 1917

Comparison Stars for o Ceti on Ad 3271

k 1 k
k 0 m
m 2 m
m 2 m'
m' 2 0
0 2 0'
0' 1 N
N 1 t
t 3 t'
t' 0 W
W 2 +
+ 3 y
y 1 N
N 1 z
z 2 y'
y' 1 w
w 3 z'
z' 0 α
α 1 α'
α' 3 β
β 3 β'
β' 2 δ
δ 2 δ'
δ' 1 γ

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Wednesday Nov 14, 1917

Comparison stars for o Ceti on A.D. 7074

l 1 k
k 0 m
m 2 n
n 2 n'
n' 3 o
o 2 o'
o' 1 r
r 1 t
t 3 t'
t' o w
w 3 x
x 1 y
y o s
s 2 z
z 2 y'
y' o w
w 3 z'
g' o α
α 1 α'
α' 2 β
β 2 β'
β' 1 δ

δ' + f not seen.

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Wednesday Nov. 14, 1917

Comparison Stars for o Ceti + AC 5-706

b	o	k
k	1	m
m	2	n
n	1	n'	n' poor.
n'	1	o
o	2	o'
o'	1	r
r	1	t
t	2	t'
t'	1	w
w	2	x
x	1	y
y	2	z
z	2	z
z	1	y'
y'	3	w
w	1	z'
z'	2	α
α	1	α'
α'	3	β
β	1	β'
β'	3	δ
δ	2	δ'
δ'	2	γ
γ	3	ε
ε	2	ζ
ζ	1	η
η	1	θ

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Thursday Nov. 15, 1917

Comparison stars for o Ceti on AC 2065 ~~#9~~

l 1 m
m 0 k
k 1 n
n 2 n' n' pour
n' 2 o
o 10'
o' 2 r
r 2 t
t 2 t'
t' o w
w 1 x
x 1 y
y 2 z
z 0 z
z 2 y'
y' 3 u
u 2 z'
z' 1 α
α o α'
α' 2 β
β 2 β'
β' 3 δ
δ 2 δ'
δ' 1 γ
γ 2 ε
ε 1 ζ
ζ 1 η
η 1 Θ

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Thursday Nov. 15, 1917

Comparison stars for o Ceti on AC 2183

l l k	
k o m	
m l n	
n 2 n'	n' poor.
n' o o	
o l o'	
o' 2 r	
r l t	
t 2 t'	
t' o w	
w l +	
x l y	
y 3 z	
z o 3	
3 l y'	
y' δ w	
h 2 3'	
3' l α	
α o α'	
α' 3 β	
β l β'	
β' 3 δ	
δ 2 δ'	
δ' o ϕ	
ϕ 2 ε	
ε o s	
s l η	
η l θ	

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Thursday Nov. 15, 1917

Comparison stars for o Ceti on AC 4630.

l o k
k o w
m 2 w
m 2 w'
w 2 o
o o o'
o' 2 N
p 2 t
t 3 t'
t' o w
w 1 x
x 1 y
y 2 a
a 3 z
z 2 y'
y' 1 a
u 3 z'
z' o a
α 1 α'
α' 2 β
β 1 β'
β' 2 δ
δ 2 δ'
δ' 1 γ
γ 1 ε
ε 1 ζ
ζ 1 η
η 1 θ

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Monday Nov. 19, 1917

o Ceti – Position for comparison star δ.

α 6601 – Mean. with glass plate.

	+ x	+ y	− x	− y	Diff ±	Mean	Diff	Diff y	Mean	Diff y
δ	+465	+2025	+500	−1980	−14.80	−14.82	−14.85	+2.30	+2.32	+2.35
ϕ	−1015	+2255	−985	−1745						
ε	−2755	+1945	−2725	−1965	+17.40	+17.40	+17.40	+3.10	+3.15	+3.20
ϑ	−1930	+3000	−1895	−1000	+9.15	+9.12	+9.10	−7.45	−7.45	−7.45

	α	δ		α 60" = 1 m.m.		δ
δ	2h 16.6m	−8° 25.0′	−0.99 =	−14.82	=−889.2"	+2.32 = 139.2" = +2.3′
ε	2h 14.5m	−8° 25.0′	+1.16 =	+17.40	=+1044.0"	+3.15 = +189.0" = +3.2′
ϑ	2h 12.7m	−3° 27.8′	+0.61 =	+9.12	=+547.2"	−7.45 = −447.0" = −7.4′
	+2.4	+13.′				
	2h 15.0m	−3° 14.8′				

Sec δ = 1 ∴ not needed necessary to mul.

ϕ	2h 15.6m	−3° 22.7′
	2h 15.7m	−3° 21.8′
	2h 15.6m	−3° 22.2′
	2h 15.6m	−3° 22′

Wednesday – Apr. 9, 1919

For + + y of "ϕ" – o Ceti sequence

MC 6328 – Measuring machine.

	V	H	V	H	mean V	mean H	Diff. V	Diff. H
o Ceti	1033	822	1033	822	1033	822		
ϕ	914	842	914	842	914	842	+119	+20

Diff V × 982 = 116"8.2 Diff H × 982 = 19"6.

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Tuesday Jan. 8 1918

~~Tuesday Jan. 5 1918~~

Scale Measures for magnitude of comparison star α^2 of series for o Ceti.

Scale N Plate – AC 5706



	Sc A	Sc A corrected for scale	Sc B	Sc B corrected for scale	mean.	Residual.			Diff.	Curve	mag.
y'	2.6	2.4			2.40	a	.	.	+4.36		
α'	3.3	3.1	3.6	3.2	3.15	1	0	.	4.43		
α^2	3.5	3.3	3.8	3.4	3.35	1	0	.		4.24	7.59
β			5.2	4.8 4.9	4.85	*	0	1	3.43		
β'			5.4	5.0 5.2	5.10	.	1	1	3.55		

Scale N Plate AC 1100

y'	3.2	3.0	3.5	3.1	3.05	0	1	.	3.71		
α'	3.7	3.5	4.4	4.0 4.1	3.87	1	1	2	3.71		
α^2	~~3.5~~ 4.2	4.0	4.4	4.0 4.5	4.17	2	2	3		3.60	7.77
β	4.8	4.6	5.4	5.0 4.8	4.80	2	2	0	3.48		
β'			5.7	5.3 5.6	~~5.~~45	1	~~2~~	2	3.20		

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Tuesday Jan. 8, 1918

Scale measures for α^2 continued.

Scale 7 Plate AD 5429

	sc a	sc B	sc C Corrected for scale	Mean	Residual.		Diff.		
y'		6.2	5.8 6.0	5.90	1	1	0.86		
α'		7.5	7.1 6.9	7.00	1	1	0.58	Curve	mag
α^2		7.6	7.2 ~~6.6~~ 7.4	7.30	1	1		0.56	7.86
β		8.2	7.8 7.7	7.75	0	1	0.53		
β'		8.4	8.0 8.3	8.15	2	1	0.50		

Scale 7 Plate AD 3271

y'	5.7	6.3 5.5	5.40	1	1	1.36		
α'	6.2	5.8 ~~5.6 5.7~~	5.70	1	1	1.88		
α^2	7.3	6.9 6.7	6.80	1	1		1.27	8.07
β	7.8	7.4 7.3	7.35	0	1	.93		
β'	8.3	7.9 7.6	7.75	1	2	.90		

			Residuals
AC 5706	7.59		23
AC 1100	7.77	mean 7.82	05
AD 5429	7.86		04
AD 3271	8.07		25
~~Mean~~	~~7.82~~	~~Residuals~~	

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Wednesday Jan. 9 1918

o Ceti.

10:30

Plate No.	Estimate	Remarks	
AC 1755	7.6		✓
AC 1065	9.0	e.	✓
AM 3185	10.2		✓
AC 1664	7.0		✓
AC 998	5.6	c s d	See list of abbrev. on cover of this book ✓
AM 3155	10.7	Scratched.	✓
AC 691	—	Mul. image.	✓
AM 3142	10.7		✓
AC 1257	10.0	i	✓
AC 5968	4.9?	c s d	✓
AM 3196	10.5		✓
AC 3250	9.6	p. f	✓
AM 943	6.0		✓
AC 5905	5.8	c s d.	✓
AM 710		Holes not cover region.	✓
AM 663	6.0	Iso.	✓
AC 3325	8.6	i	✓
AC 3222	9.7	i	✓
AM 711	7.7	i	✓
AM 3062	9.7		✓
AC 688		Holes not cover.	✓
AC 632	8.4	i	✓
AC 1214	9.7		✓
AM 3047	9.9		✓
AC 1116	9.5	AC 1116 does not cover. AC 1166 examined and estimated 9.5	✓
AC 460	5.5	c s d	✓
AM 2954	9.3		✓

12:30

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Wednesday Jan. 9, 1918

o Ceti

1:50

Plate No	Estimate	Remarks		
AC 6849	9.9	Re-observed July 23, 1919 — 10.4	✓	Reject 9.9 as error.
AC 4372	10.0		✓	
AM 2455	8.5		✓	
AC 6704	11.0	f.	✓	
AC 186	8.0	Badly tracked	✓	
AC 4365	9.9		✓	
AC 6663	10.0		✓	
AM 2293		Does not cover region	✓	
AC 4268	10.2	f. i. q	✓	
AC 149	7.5		✓	
AM 2265	9.0		✓	
AC 61	4.6?	c & d.	✓	
AC 6637	10.5	f	✓	
AC 4247	10.6	f.	✓	
AM 2248	8.8		✓	
AM 1048	7.5		✓	
AC 6597	10.1	f.	✓	
AC 4049	10.1	f.	✓	
AM 2152	8.0		✓	
AM 925	6.0		✓	
AC 6100	5.5?	Too bright. c & d	✓	

3:30

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Thursday Jan. 10, 1918

o Ceti.

10:35

Plate No.	Estimate	Remarks.	
aC 3961	9.5	f.	✓
qC 6859	10.8	f.	✓
aC 4525	8.6		✓
am 2939	9.0		✓
aC 429	5.5	i c s d Iso? Take up record.	✓
aC 4485	9.4	p.	✓
aC 1118	9.1	p.	✓
am 3286	10.1		✓
aC 1108	8.9	i p	✓
am 3218	10.5		✓
aC 1826		does not cover.	✓
am 2862	8.5		✓
aC 419		Nothing on plate "quality 1"	✓
qC 5880	6.0		✓
aC 3192	9.7		✓
am 639	6.0		✓
aC 3161	< 10.3	barely seen & faintest comp. seen fogged	✓
aC 5802	7.9		✓
am 619	5.5?	Too bright.	✓
aC 5641	10.6		✓
qC 3117	10.2	i	✓
qm 596	> 5.7	other comp. Large & distant. Iso? Iso	✓
aC 3093	10.1		✓
am 2144	7.7		✓
aC 5596	10.6		✓
aC 5490	10.7		✓
qC 2921	9.5	p i	✓
am 1698	9.9		✓

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Thursday, Jan. 10, 1918

o Ceti

Plate	Est.	Remarks.	
aC5430	10.9	f. p.	✓
am570	75.7	2co.	✓
aC2840	8.1	p.	✓
am1673	9.5		✓
aC5318	10.7		✓
am308	6.7		✓
aC2753	7.1		✓
am1667		Impl. image	✓
aC5299	10.4	f.	✓
am293	7.0		✓
aC2290	9.7	fogged p.	✓
am1570		Plate too poor - very few stars	✓
aC5281	10.1	f.	✓
am167	75.7		✓
aC2183	10.1		✓
am1531	7.7		✓
aC5256	10.2		✓
am141	75.7		✓
aC2110	10.1	c	✓
am1480	6.0		✓
am97		Too poor.	✓
aC5155	9.5		✓
aC2065	9.8		✓
am1475	6.0		✓
aC4693	75.7		✓
am36	6.2	badly trailed.	✓
aC2018	9.5	p.	✓
12:25			

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Thursday Jan. 10, 1918

o Ceti.

1:20

Plate	Estimate	Remarks.	
aM1069	7.7		✓
aC4630	5.8		✓
aC6887	10.5	Scratched.	✓
aC1857	7.8		✓
aC2011	9.6		✓
aM4682	> 5.7		✓
aC7025		Plate too poor	✓
aC11112	7.1		✓
aM8705	8.5		✓
aC13420	9.4		✓
aC10114		Wrong region.	✓
aC12315		Too badly trailed o Cet faint.	✓
aM6794	7.1		✓
aM9654	7.8	n.s. for plate.	✓
aC8844	6.2		✓
aC7024	10.4		✓
aM3958	10.4		✓
aC7023	10.2		✓
aC11046	6.3		✓
aC10100	6.6		✓
aC9154	6.6		✓
aC12171	9.5		✓
aC13338	8.8		✓
aC10889	> 5.7		✓
aM6770	6.2		✓
aM5218	> 5.7		✓
aM9602	9.7		✓
aM8703	8.5		✓

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Thursday Jan. 10, 1918

o Ceti.

Plate	Estimate	Remarks	
aC 8770	9.0		✓
aM 3948	10.7		✓
aC 6924	10.1		✓
aC 10052	6.4		✓
aC 13659	9.7		✓
aC 12157	8.5		✓
aC 9208	7.2		✓
aM 6758	6.2		✓
aM 727		Cannot be found.	✓
3.15			

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Friday Jan. 11, 1918.

9:50 o Ceti

Plate	Estimate	Remarks	
aC 8737	9.6		✓
aC 11156		Too badly trailed.	✓
am 8737	8.6	i p	✓
aC 7203	6.1		✓
aC 13577	9.7		✓
aC 9169	6.7		✓
am 3854	10.7		✓
aC 9995	6.2		✓
aC 12687		Too badly trailed.	✓
am 7237	6.0		✓
aC 11143	7.4		✓
aC 9807	> 5.7		✓
aC 11898	> 5.7		✓
am 9325	7.7		✓
aC 8243	> 5.7		✓
am 3322	6.6		✓
aC 9933	5.8		✓
aC 11951	6.2		✓
am 6633	> 5.7		✓
am 9381	8.5 ?	p. badly trailed.	✓
aC 8092	> 5.7	Fogged.	✓
aC 14485	9.7		✓
aC 9922	5.9		✓
aC 11928	6.1		✓
am 6620	> 5.7		✓
am 9342	7.8		✓
aC 8015	> 5.7		✓
aC 14414	9.4		✓

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Friday Jan. 11, 1918

o Ceti.

Plate	Est.	Remarks.	
QC 7328	6.5	p.	✓
QC 7878	9.2		✓
QC 14391	9.0	f. i.	✓
QC 9719	6.3		✓
QC 11884	>5.7		✓
QM 5901	>5.7		✓
QM 9281	7.5		✓
QC 7835	9.4		✓
QC 14344	9.0		✓
QC 9695	6.7		✓
QC 11301	8.6		✓
QM 5895	>5.7		✓
QM 9219		Does not cover.	✓
QC 11991	6.6		✓
QM 6708	>5.7		✓
QM 9438	8.9		✓
QM 5509	10.8	f i	✓
QM 8730	9.0		✓
QC 7163	5.8	p.	✓
QC 13557	9.7		✓
QC 7811	9.8		✓
QC 14303	8.5	f p. i	✓
QC 9649	<8.7	n. e.	✓
QC 11275	8.2	Poor exposure.	✓
QM 5833	>5.7		✓
QM 8785	9.5	f.	✓
QC 7746	9.9		✓

11:50

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Friday Jan. 11, 1918

o Ceti.

1:40

Plate	Est.	Remarks.	
aC13760	8.6		✓
aC9212	7.1		✓
aC11224	8.1		✓
aM8752	9.2		✓
aM5805	6.3		✓
aM1034	7.3		✓
aC9107	6.6		✓
aM3969	10.4		✓
aC10164	7.7		✓
aC12681	8.5		✓
aM6825	8.6		✓
aM9655	9.5		✓
aC8983	>5.7		✓
aM3964		Mul. image.	✓
aC13242	7.7		✓
aM7731	6.4	i	✓
aM7714		Too badly trailed.	✓
aC10757	>5.7		✓
aM4446		Too badly trailed.	✓
aM7687	6.0		✓
aM4036	6.2		✓
aM7323	6.6		✓
aC12918	10.0		✓
aM7263	>5.7		✓
aM1458	>5.7		✓
aC10732	>5.7		✓
aM4026	6.7		✓
aC10193	7.7		✓

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Friday. Jan 11, 1918.

o Ceti.

Plate	Est.	Remarks	
am 8642	8.2		✓
am 5251	>5.7		✓
am 4634	8.5		✓
am 7891	8.2		✓
ac 13314	8.6		✓
am 2378	10.2		✓
am 4576	9.5		✓
am 7808	7.5		✓
ac 13297	8.5		✓
am 2285		Hole not covered	✓
ac 13289	8.6		✓
am 7777	7.3		✓
am 4510	10.2		✓
ac 10797	>5.7		✓
am 8698	8.6		✓

3:45

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Saturday Jan. 12, 1918

o Ceti.

10:40

Plate	Est.	Remarks.	
am 5160	8.6		✓
am 6568	>5.7		✓
am 5137		~~Indistinct~~ Mul. image.	✓
am 8490	6.6		✓
am 6488	>5.7		✓
am 7921	8.4		✓
AC 13327	8.7		✓
am 2880	8.5		✓
AC 5923	>5.7		✓
am 3027	9.6		✓
am 590	>5.7	Iso.	✓
AC 7016	10.1		✓
am 1017	7.2	g.	✓
am 234	6.2	e.	✓
am 2347	10.1		✓
am 2963	9.4		✓
am 358	8.0	e	✓
am 977	7.1	g	✓
am 216	5.9		✓
am 3233	10.1		✓
am 2892	8.6		✓
AC 6624	<9.6	p. n.p.	✓
AC 6947	10.2		✓
am 728	8.5		✓
am 197	5.9		✓
AC 7017		too faint	✓
am 1095	Est. on P. 46 of this book		✓
AC 5706	9.9		✓

11:40

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Monday Jan. 14, 1918.

o Cet.

9:30

Plate	Est.	Remarks	
ac 1100	9.1		✓
ad 5429	>5.7		✓
ad 349	8.9	f.	✓
ad 1673	<7.6	n.e.	✓
a d 1112		Does not cover	✓
ad 2698	<7.8	fogged. ✱. n. e.	✓
ad 3176	10.0	f.	✓
ad 4523	<8.7	f.	✓
ad 339		i. Too poor	✓
ad 1666	<9.2	✱. n. e	✓
ad 930		too poor.	✓
ad 2663	<8.3		✓
ad 3145	10.1	f.	✓
ad 4429		Badly fogged	✓
ad 852		Too poor	✓
ad 1602	<7.8	p. f.	✓
ad 315	8.0	f. f.	✓
ad 2635	<8.7	n. e. p.	✓

10:45

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Monday Jan. 14, 1918.

o Ceti.

11:40

Plate	Est.	Remarks	
AO 3134	< 9.2	p n.s	✓
AO 4414	< 7.8	p. n.s	✓
AO 300	7.2	p 2eo	✓
AO 1592	< 9.6	p n.s	✓
AO 766		Fogged.	✓
AO 2172		Few stars.	✓
AO 743	8.6	p. f.	✓
AO 3108	< 9.8		✓
AO 4359	< 9.6	n.s.	✓
AO 1560	< 8.7	p. n.s.	✓
AO 289		p + trailed	✓
AO 2112	> 5.7		✓
AO 3098	< 9.2	p. n.s	✓
AO 4313	< 9.8	p. n.s	✓
AO 737	9.0	f	✓
AO 1526	< 7.8	p n.s	✓
AO 2716	< 8.3	p. n.s.	✓
AO 3196	9.4	f. p	✓
AO 4539	8.7		✓
AO 1518	< 7.8	n.s.	✓
AO 711	< 9.2	n.s. p.	✓
AO 3070	< 7.8	n.s. p.	✓
AO 2060	6.0		✓
AO 4140		Dual. l.	✓
AO 113	9.7	f	✓
AO 1456		Poor.	✓
AO 680	< 9.6		✓
AO 1965	< 7.8	n.s.	✓

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Monday Jan. 14, 1918

o Eta.

Plate	Est.	Remarks.	
AD 3019	< 9.6	n. r.	✓
AD 63	8.9	R. f.	✓
AD 663	< 9.6	n. r.	✓
AD 4129		Dupl. 1.	✓
AD 3250	9.0	f.	✓
AD 4577	6.5		✓
AD 2792		Too poor.	✓
AD 3263	8.7	f.	✓
AD 4611	5.9		✓
AD 451	< 9.2	R.	✓
AD 1722	< 9.8	n. r.	✓
AD 1336		too poor.	✓
AD 2765	< 9.2	n. r.	✓
AD 252		Few stars.	✓
AD 2086	> 5.7		✓
AD 3081	< 9.8	n. r.	✓
AD 4175		Too poor.	✓
AD 148		Too poor.	✓
AD 379		too poor.	✓
AD 1692	< 9.2	n. r.	✓
AD 1325		Too poor.	✓
AD 2761		Does not cover	✓
AD 3206	< 9.8	n. r.	✓
AD 4568	6.9	R.	✓
AD 371	8.7	f.	✓
AD 1683	< 9.2	n. r. R.	✓
AD 1272		Too poor n. r.	✓
AD 536	< 7.6		✓

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Monday Jan. 14, 1918

o Ceti.

Plate.	Est.	Remarks.	
AO 2839	69.2	n.e	✓
AO 3364	75.7		✓
AO 4677	75.7	i.	✓
AC 115	75.7		✓
2:10			

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Tuesday Jan. 15. 1918

Rather Dark Hazy — Snow.

o Ceti.

9:15

Plate	Est.	Remarks.	
AD 514		Im badly trailed	✓
AD 1739	< 9.2	n. r	✓
AD 1305		Does not cover	✓
AD 2806	< 9.2	n. r	✓
AD 3287	7.5		✓
AD 4646		n. r. poor plate	✓
AD 485	< 9.8	n. r.	✓
AD 1730	< 9.6	n. r.	✓
AD 1341		does not cover	✓
AD 3541	> 5.7		✓
AD 614	< 8.7	n. r.	✓
AD 1836	< 7.8	n. r.	✓
AD 1433		Dual. l.	✓
AD 2970		Too poor.	✓
AD 3501	> 5.7	p	✓
AD 5170	< 7.8	p. n. r.	✓
AD 1827	< 8.7	n. r.	✓
AD 596	10.0 ?	i	✓
AD 2947	9.7	f.	✓
AD 3404	> 5.7		✓
AD 4763	6.0		✓
AD 1395		Too poor.	✓
AD 1816	< 9.2	n. r.	✓
AD 569	9.9 ?	f.	✓
AD 2941	< 7.8	n. r.	✓
AD 3395	> 5.7		✓
AD 4736	5.9	p.	✓
AD 1345		Dual l.	✓

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Tuesday Jan. 15, 1918

O Ceti.

Plate	Est	Remarks.	
AO 1806	<8.3	n.s.	✓
AO 4114		too poor.	✓
AO 1955	9.3	i	✓
AO 4099		Too poor.	✓
AO 1902		Too poor	✓
AO 4070	<7.8	n.r.	✓
AO 1887	<8.1	n.r.	✓
AO 1869	<9.2	n.r.	✓
AO 646	9.1	i	✓
AO 1858	9.1	f.	✓
AO 4056	<8.3	n.r.	✓
AO 5192	<8.3	n.r.	✓
AO 1851	<9.2	n.r.	✓
AO 634	<9.2	n.r.	✓
AO 2978		Too poor.	✓
AO 4121		Too poor.	✓

10.25

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Wednesday Jan. 16, 1918

o Ceti.

8:50

Plate	Est.	Remarks.	
AD 11093		Too poor.	✓
AD 6098		Too poor.	✓
AD 8449	7.7		✓
AD 9600	<8.3	i n.r.	✓
AD 8694	<9.2	n.r.	✓
AD 5633		Dual. l.	✓
AD 8668	<9.2	n.r.	✓
AD 11777	<9.2	n.r.	✓
AD 8645	<9.2	n.r.	✓
AD 5530	>3.8		✓
AD 8559	9.5		✓
AD 11756	<8.7	n.r	✓
AD 8548		i Too poor.	✓
AD 5459	4.1 ?		✓
AD 8527	8.4		✓
AD 11722	<9.2	n.r.	✓
AD 5437	4.7 ?		✓
AD 6253	4.6 ?		✓
AD 11713	9.0		✓
AD 6246	4.8 ?	p.	✓
AD 8515	8.1	i	✓
AD 10138	7.1		✓
AD 5353	8.5		✓
AD 8150	5.3?		✓
AD 9582	<9.2	n.r.	✓
AD 5270	<7.8	n.r. p.	✓
AD 8059	4.6?		✓
AD 10601	10.1	f.	✓

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Wednesday Jan. 16, 1918

o Ceti.

Plate	Est.	Remarks.	
aD 6060	<7.6	n.v.	✓
aD 8428	7.6		✓
aD 9573	9.7	f.	✓
aD 5218	<9.2	n.v.	✓
aD 8049	4.6 ?		✓
aD 11699	8.8		✓
aD 6217		Too poor.	✓
aD 8507	8.3		✓
aD 10068	6.2		✓
aD 5335	8.7		✓
aD 8140	5.2		✓
aD 11688	<8.3	n.v.	✓
aD 6145	6.7		✓
aD 10167	7.7		✓
aD 7998	4.7 ?		✓
aD 10389		Dual.	✓
aD 8173	5.3?		✓
aD 8287	6.0		✓
aD 9380	7.8		✓
aD 10160	7.5		✓
aD 10505	9.7		✓
aD 6021	<7.6	n.v. f.	✓
aD 8404	7.5	10:50	✓
aD 9550	9.4	11:10	✓
aD 8274	6.0		✓
aD 8038		Too poor	✓
aD 10477	<9.2	n.v.	✓
aD 6004		Too poor	✓

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Wednesday Jan. 16, 1918

o Ceti

	Plate	Est.	Remarks.	
	AD 8354	7.1		✓
	AD 9512	9.3		✓
	AD 8266	6.0		✓
	AD 8019		Too poor.	✓
	AD 5281	<8.3	n. v.	✓
	AD 8076	4.5?		✓
	AD 11086	7.7	f. p.	✓
	AD 6090	<8.3	n. v.	✓
	AD 8440	7.5		✓
	11:40			
1:40	AD 9169	5.8		✓
	AD 8495	<8.7	n. v.	✓
	AD 10100	6.7		✓
	AD 8095	4.7?		✓
	AD 11108	7.8		✓
	AD 6125		Too poor.	✓
	AD 8485	7.7		✓
	AD 10061	6.1		✓
	AD 5306	<8.7	n. v.	✓
	AD 8077	4.7?		✓
	AD 10350	9.5		✓
	AD 7045		Too poor.	✓
	AD 7365	6.6		✓
	AD 9371		Too poor.	✓
	AD 7250	5.7		✓
	AD 7440	7.6		✓
	AD 10337	9.4		✓
	AD 7026	5.7		✓
	AD 9151	5.9		✓

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Wednesday, Jan. 16, 1918

o Cetí.

Plate	Est.	Remarks.	
AD 7329	6.2		✓
AD 11814	10.1		✓
AD 7242	6.0	p	✓
AD 7422	7.0	fogged.	✓
AD 10405	<8.3	n. s.	✓
AD 5680	5.5?		✓
AD 8341	7.1		✓
AD 9479	8.6		✓
AD 10209	8.0		✓
AD 8007		Sual. 1	✓
AD 10416	<9.2	n. s.	✓
AD 8190	5.3		✓
AD 8294	6.2		✓
AD 9423	8.1		✓
AD 6384	5.6 ?		✓
AD 11767	9.4		✓
AD 7205	5.6 ?		✓
AD 9231	6.5		✓
AD 9284	6.7		✓
AD 6554	7.7		✓
AD 6377	5.6?		✓
AD 11784	9.4		✓
AD 7200	5.6 ?		✓
AD 10297	9.0		✓
AD 6979	6.9?	f. p.	✓
AD 7304	6.2		✓
AD 11730	<7.6	n. s.	✓
AD 7213	5.5?		✓

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Wednesday Jan. 16, 1918

o Ceti!

Plate	Est.	Remarks	
AD 7368	Does not cover.		✓
AD 10219	8.5		✓
AD 6944	< 7.8	M. N.	✓
AD 10323	< 8.3	M. N.	✓
AD 6998		Too poor.	✓
AD 7320	6.3		✓
AD 11742	9.4		✓
AD 7224	5.9		✓
AD 7397	6.7		✓
AD 7444	7.7		✓
AD 9160	5.6 ?		✓
AD 9299	7.1		✓
AD 6521	7.2		✓
AD 6370	5.5 ?		✓
AD 7285	5.9		✓
AD 7168	5.4 ?		✓
AD 9130	5.1 ?		✓
AD 6315	4.7 ?		✓
AD 9250	6.6		✓
AD 7150	4.8 ?		✓
AD 7271	6.1		✓
AD 9123	4.8 ?		✓
AD 6468	6.6		✓
AD 9241	6.6		✓
AD 6398	6.0		✓
AD 6272	4.7		✓
AD 7254	5.9		✓
AD 7112	4.7 ?		✓
AD 8165	4.8 ?	3:55	

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Thursday Jan. 17, 1918

o Ceti.

10:05

Plate	Est.	Remarks	
aD 5485	4.1?		✓
aD 7074	4.7?		✓
aD 3271	8.6		✓
aD 15142	7.7		✓
aD 13303	6.6		✓
aD 12920	10.1		✓
aD 14137	9.4	i	✓
aD 15413	4.5?		✓
aD 16312	5.1?		✓
aD 15130	7.7	r	✓
aD 13265	7.6		✓
aD 12915	9.5	f. i	✓
aD 14125	9.4	f i	✓
aD 13375	5.5?		✓
aD 15666	6.6		✓
aD 13440	5.4?		✓
aD 15626	6.0		✓
aD 13340	5.4?	p.	✓
aD 13406	4.9?		✓
aD 15593	6.2		✓
aD 13334	5.5?		✓
aD 15554	5.8		✓
aD 13397	5.4		✓
aD 16493	5.4		✓
aD 14263	7.7		✓
aD 15489	5.5		✓
aD 13324	5.9		✓

10:55

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Friday, Jan. 18, 1918.

o Ceti.

11:15

Plate	Est.	Remarks.	
Ad 16355	5.2?		✓
Ad 14561	5.9		✓
Ad 13720	8.1		✓
Ad 12876	9.7		✓
Ad 14041	8.9		✓
Ad 15295	5.2?		✓
Ad 16235	5.1		✓
Ad 14525	4.9		✓
Ad 13193	8.9		✓
Ad 12875	too poor —		✓
Ad 14034	<8.3		✓
Ad 15283		too poor.	✓
Ad 15384	5.2?		✓
Ad 16305	4.6		✓
Ad 8165	>5.7 p		✓

12:15

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1917phae.proj..703B

Monday Jan. 21, 1918

o Ceti.

11:00

Plate	Est.	Remarks.		
aD 15106	7.9	i		✓
aD 13242	7.7	i		✓
aD 12903	<9.6			✓
aD 14081	9.1			✓
aD 15352	4.8 ?			✓
aD 16295	4.7			✓
aD 12879	10.1 ?	f.		✓
aD 14050	<9.2			✓
aD 15318	4.8			✓
aD 16270	4.9?			✓
aD 14192	8.6			✓
aD 15458	5.3			✓
aD 13310	6.6			✓
aD 15160	6.7			✓
aD 14147	9.4			✓
aD 15423	4.8			✓
aD 16479	4.9 ?			✓
~~aD 14243~~				

12:45

aD 14243	7.9			✓
aD 15475	4.8 ?			✓
aD 13316	6.✓			✓
aD 16459	5.5			✓
aD 16428	4.9 ?			✓
aD 15197	6.✓			✓
aD 14589	6.0			✓
aD 13230	8.1			✓

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Monday Jan. 21, 1918.

o Ceti.

Plate	Est.	Remarks.	
AD 13007	10.1	f.	✓
AD 15743	6.7	c	✓
AD 14423	4.6 ?		✓
AD 11925	10.0		✓
AD 12843	<9.2		✓
AD 13532	5.8	p.	✓
AD 12997	10.1		✓
AD 12128	8.3		✓
AD 14406	4.2 ?		✓
AD 16212	5.9		✓
AD 14516	5.3		✓
AD 13176	<8.7	9.2 m. s. oleti sem.	✓
AD 12866	<8.7	m. s.	✓
AD 14001		Cannot identify.	Ident. of 22h ?

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Tuesday, Jan. 22, 1918

o Ceti.

10:45

Plate	Est.	Remarks.	
AD 15245	4.7?		✓
AD 16171	8.0?	i	✓
AD 14469	4.6?		✓
AD 13134	9.7		✓
AD 12865		Wrong region.	✓
AD 13996	9.4?	f. i	✓
AD 15218	5.5	i	✓
AD 16137	<7.8	n. e.	✓
AD 14446	4.7?		✓
AD 13109	10.1		✓
AD 12859	10.0		✓
AD 13982	<7.6	n. e. p.	✓
AD 13017	10.1		✓
AD 11891	<9.2	n. e.	✓
AD 12828	<9.2	n. e.	✓
AD 13099	10.1	p. i	✓
AD 12989	<9.2	n. e.	✓
AD 12124	8.5		✓
AD 14366	4.6		✓
AD 11872	9.7	i	✓
AD 12774	<8.7	n. e.	✓ Sequence Marked.
AD 13090	9.4		
AD 12978	<9.2	n. e.	✓
AD 12088		Too badly trailed	✓
AD 14358	4.7		✓
AD 11881	9.9		✓
AD 15764	7.5	p.	✓
AD 14434	4.7	p.	✓

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1917phae.proj...703B

Tuesday Jan. 22, 1918

o Ceti.

Plate	Est.	Remarks.	
AD 11936	10.1		✓
AD 12851	9.9 ?		✓
AD 13972		Glass not cover.	✓
AD 12936	<7.4	n. r. f.	✓
AD 13071	9.9		✓
AD 12762	<8.7	n. r.	✓
AD 12066		Too badly trailed	✓
AD 14354	4.8		✓
AD 11859	10.0		✓
AD 12752	<8.7	n. r.	✓
AD 13066	<9.2	n. r.	✓
AD 12928	<8.7	n. r.	✓
AD 12052		Too badly trailed	✓
AD 14343	5.2 ?	i	✓
AD 11848	10.1		✓
AD 12747	9.7		✓
AD 13058	<8.3	n. r.	✓
AD 12977		Dual. 1.	✓
AD 12010	<8.7	n. r.	✓
AD 14331	4.8 ?		✓
AD 13044	<7.8	n. r. f.	✓
AD 11823	<9.2	n. r.	✓
AD 12968	9.7	f i	✓
AD 14282	7.2		✓
AD 11957	10.0		✓
AD 12153	7.9		✓

12:20

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Wednesday, Jan. 23, 1918

o Ceti.

11:10

Plate	Est.	Remarks.	
am 1095	8.0	e	✓
ac 5156	9.3	e	✓
am 2407	10.0	e	✓
am 2223	8.6	e	✓
ac 7015	10.1	e	✓
am 1014	7.2	e i	✓
am 229	6.0		✓
am 2338	10.1		✓
am 2921	9.0	p.	✓
am 341	7.4		✓
ac 7014	10.1		✓
ac 6882	10.5		✓
am 689	7.0		✓
am 86	6.1?	i	✓
am 2232	9.0		✓
am 2464	6.2	p.	✓
ac 5794	8.1		✓
ac 6662	<7.8		✓
am 612	75.7		✓
am 58	6.2		✓
ac 589	7.3		✓
am 3207	10.4		✓
ac 2271	9.9		✓
ac 7062	9.4		✓
am 1138		Too badly Trailed	✓
ac 5319	10.2		✓
ac 476	75.7		✓
am 3123	10.4		✓

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Wednesday Jan. 23, 1918

o Ceti

Plate	Ext.	Remarks.	
aC 2256	10.1		✓
aC 7018		Qual. 1.	✓
aM 1123	<9.2		✓
aC 5315	10.2		✓
aM 2421	9.7		✓
aM 3070	10.1		✓
aC 2233	9.7		✓
aC 1072		Fogged. Iso.	✓
aM 3256	<9.2		✓
aC 3015	10.1		✓
aC 7064		Too poor.	✓
aM 1600	8.6		✓
aC 5468	10.7		✓
12;45			
1:50			
aC 679	9.2		✓
aC 7128	6.2		✓
aM 1627	8.9		✓
aC 5693	9.9		✓
aC 1148	<8.3	i	✓
aM 3878	10.3		✓
aC 3069	<9.8	i	✓
aC 7164		Does not cover.	✓
aM 1615	9.0		✓
aC 5608	10.7		✓

Turned two pages by mistake

Continued P.50

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See P. 50

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Wednesday Jan. 23, 1918

o Ceti.

Plate	Est.	Remarks.	
am 2168		Too badly trailed	✓
ac 3990	9.7		✓
ac 1771		Hole not cover.	✓
am 4024	6.3		✓
ac 4495	9.4		✓
ac 4344	10.0		✓
ac 2024	9.6		✓
ac 4260	10.4		✓
ac 4414	9.7		✓
ac 4238	10.2		✓
ac 1837		Hole not cover.	✓
ac 4227	10.3		✓
ac 4396	9.8		✓
ac 7763	10.2	p.	✓
am 3249	10.2		✓
ac 2861	9.0	"	✓
ac 7063	9.2	"	✓
am 1514	7.1		✓
ac 5456	10.1	"	✓
ac 1231	10.0	"	✓
am 3932	10.2		✓
ac 3106		Dual 1.	✓
ac 7290	6.2		✓
am 1740	10.1		✓
ac 3263	<8.7		✓
ac 1720		Too poor.	✓
am 3996	9.4		✓
ac 1681	6.9		✓

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Wednesday Jan. 23, 1918

o Ceti

Plate	Est.	Remarks.	
am 1660	9.5		✓
AC 3228	9.5	pc.	✓
AC 7236	5.9?		✓
AC 2133	10.1		✓
AC 4607	5.9?		✓
AC 2064	9.5		✓

2:50

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Thursday Jan. 24, 1918

o Ceti

9:50

Plate	Est.	Remarks.	
aC 11390	9.5		✓
aC 8926	>5.7		✓
aC 8825	6.7		✓
aM 8714	8.6?	p.	✓
aC 12694	8.5		✓
aM 5219	>5.7		✓
aC 14486	10.0		✓
aC 10986	>5.7		✓
aC 8771	8.9?	f.	✓
aM 8557	6.9		✓
aC 12614	8.1?	p.	✓
aC 14405	9.5		✓
aC 10835	>5.7		✓
aC 8192	>5.7		✓
aM 7967	<9.2		✓
aC 12595	7.6		✓
aM 4647	8.5		✓
aC 14392	9.4		✓
aM 5174	7.6?	p. i	✓
aC 14448	9.7	i	✓
aC 10936	>5.7		✓
aC 8738	9.5?	f.	✓
aM 8437		Too badly trailed.	✓
aC 12706	8.6		✓
aM 5261	>5.7		✓
aC 14496	9.9?		✓
aC 11013	5.9?	p.	✓
aM 6806	7.5		✓

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Thursday Jan. 24, 1918

o Ceti.

10:30

Plate	Est.	Remarks.	
aC 9725		Too badly tracked	✓
aC 10079	7.1	p.	✓
aC 8166	> 5.7		✓
aM 7927	8.5		✓
aC 12286	10.1		✓
aM 4629	8.5		✓
aC 14363	< 8.7	9.2 n.s. Dso?	Yes. in Dso. ✓
aC 9996	6.0?		✓
aC 8057	> 5.7		✓
aM 7911	8.5?		✓
aC 12219	8.9	Badly fogged.	✓
aM 4504	10.1		✓
aC 12602	7.7	i	✓
aM 4700	> 5.7		✓
aC 9689	6.7?		✓
aC 7828	9.5		✓
aM 7299	6.2?		✓
aC 13720	8.5	i	✓
aC 9932	5.9?	Badly trailed	✓
aC 7901	< 7.6	Finger print in region	✓
aM 6752	6.2?	i	✓
aM 4469		Broken, piece thrown away.	
aC 13681	8.9	i	✓
aC 9773	> 5.7		✓
aM 7809	7.5		✓
aM 6688	> 5.7		✓
aM 4103		Too poor.	✓

10:55

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Friday, Jan. 25, 1918

o Ceti.

11:15

Plate	Est	Remarks	
am 6788	6.6	~~f~~ g, e.	✓
ac 7965	5.9		✓
am 7772	7.2		✓
am 6651	>5.7	g.	✓
am 4082	>5.7	g.	✓
am 6803	7.3	gr	✓
ac 9871	>5.7	g.	✓
am 7736	6.6	Badly trailed	✓
am 6646	>5.7	g.	✓
am 4073	6.1?	g.	✓
am 9217	6.7		✓
ac 12744	9.4		✓
am 5747	9.5		✓
ac 14602	9.8		✓
ac 11244	8.5	i	✓
ac 8901	>5.7		✓
am 8780	<9.2	n. e.	✓
ac 12715	8.6	i	✓
am 5266	6.2?	g	✓
ac 14513	9.5		✓
ac 11053	6.5		✓
ac 8857	>5.7	p.	✓
am 8758	9.5?	f.	✓
ac 8959	>5.7		✓
am 9327	7.7		✓
ac 12774	9.5		✓
am 5834	5.9	p	✓

12:20

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Friday Jan. 25, 1918

o Ceti.

12:20

	Plate	Est.	Remarks.	
	aC 14672	<8.7	n. e	Iso. ✓
	aC 11914	>5.7	g	✓
	aC 8951	>5.7		✓
	aM 9270	7.6		✓
	aC 12759	9.5		✓
	aM 5761	8.5		✓
	aC 14643	<9.2	n. e.	✓
	aC 12875	10.2		✓
	aM 5918	>5.7		✓
	aC 14738	8.6	i	✓
	aC 11992	6.6	g.	✓
	aC 8967		Iso.	✓
12:45	aM 9362	8.6		✓
1:30	aC 12784	9.8		✓
	aM 5876	>5.7		✓
	aC 14701	9.4		✓
	aC 11964	6.5 ?	g	✓
	aC 12032	6.7	g.	✓
	aC 9066	>5.7		✓
	aM 9421	8.6		✓
	aC 13339	8.7		✓
	aM 5933	6.5	g.	✓
	aC 14773		Too poor. Iso.	✓
	aC 12019	6.7	g	✓
	aC 9014	>5.7		✓
	aM 9401	8.6		✓
	aM 9652	9.5	f.	✓
	aM 9596	<9.2	n. e.	✓

2:00

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Friday Jan. 25, 1918

o Ceti.

2:00

Plate	Est.	Remarks.	
AC 13578	9.6		✓
AM 6513	>5.7		✓
AM 6519		"Completely smeared"	✓
AC 12123	8.3		✓
AC 9108	6.2?	f.	✓
AM 9482		Wrong region	✓
AC 13431	9.4	e.	✓
AM 6460		Too black.	✓
AC 14725	7.9	Iso.	✓
AM 9574	9.6	f.	✓
AC 9251	7.5		✓
AM 9547	9.4?	f.	✓
AC 9234	7.7	f.	✓
AM 6596	>5.7		✓
AC 13660	9.1		✓
AC 12260	9.4		✓
AC 9186	6.7		✓
AM 9495	9.4?	f.	✓
2:35 AM 10989	9.8		✓

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Saturday Jan. 26, 1918

o Ceti.

9:20

	Plate	Est.	Remarks.
✓	B 8772	8.1 p.c	i
✓	B 39632	6.2	
✓	B 14123	8.4	
✓	B 8389	6.4	i
✓	B 38271	6.4	i e. Image t. pr
✓	B 34828	9.5	
✓	B 6934		Stars not Cover.
✓	B 34745	9.4	
✓	B 42146	8.9	i
✓	B 34747	9.5	
✓	B 2854	>6.1	
✓	B 26562	6.4	i e.
✓	B 26528	7.6	
✓	B 42029	6.4?	e.
✓	B 17757	8.0?	
✓	B 25893	>6.3	6.1 off plate e.
✓	B 17497	9.7	
✓	B 37181	10.2	
✓	B 25884	>6.1	
✓	B 18644	6.3	
✓	B 30633	8.8	
✓	B 36968	10.3	
✓	B 18520	>6.1	
✓	B 18003	6.4	
✓	B 30441	>6.3	6.1 off plate e.
✓	B 36640	10.1	i
✓	B 18363	76.1	
10:50 ✓	B 29065	10.2	

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Saturday Jan. 26, 1918

11h05

~~10:56~~

o Ceti.

	Plate	Est.	Remarks.	
✓	B28389	>6.3	6.1 off plate e.	Reject — near edge.
✓	B35124	10.5	i	
✓	B18337	6.2?		
	~~B24457~~		Broken slide — see	somewhere scattered plates.
✓	B39791	>6.1		
✓	B35024	10.3		
✓	B14329	9.4	e i	
✓	B26537	7.8?	i	
✓	B40986	>6.3 p.c.	6.1 off plate e.	
✓	B19982	9.7		
✓	B31088	10.1	i	
✓	B28070	6.4?		
✓	B39799	>6.3	e. i 6.1 off plate	
✓	B 19756	10.0		
✓	B 30811	9.2		
✓	B 26729	8.1		
✓	B 25985	6.4		
✓	B19625	10.0		
✓	B30674	8.5		
✓	B14472	9.8		
✓	B30960	9.4		
✓	B 29019	10.2		
✓	B16465	9.0		

11:35

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Monday Jan. 28, 1918

o Ceti.

12:40

Plate	Est.	Remarks.
✓ B 36992	10.5	i
✓ B 39637		Does not cover.
✓ B 12430	10.1	e. i
✓ B 34986	10.1	i. e.
✓ B 39636	> 6.3	
✓ B 36720	10.2	
✓ B 11949	< 8.3 > 9.2	8.7 m. Off plate. e. Estimated 8.5
✓ B 32 842	10.2	
✓ B 37213	10.1	
✓ B 35061	10.8	
✓ B 11833	< 7.5	Comparison stars Off Plate.
✓ B 34507	8.4	
✓ B 33022	9.1	
✓ B 38298	> 6.3	other comp. stars N.R.
✓ B 17230	9.7	
✓ B 26360	> 6.3	comp. stars Off Plate
✓ B 33021	9.1	i
✓ B 34619	8.5	e. i.
✓ B 16993	9.4	
✓ B 14719	10.1	
✓ B 32489	8.9	
✓ B 30805		Does not Cover.
✓ B 16818	9.5	
✓ B 28 143	> 6.3 ?	6.1 Off Plate Reject near edge.
✓ B 30602	8.5	
✓ B 42051	6.4 ?	
✓ B 16335	8.5	
✓ B 32568	8.6	

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Monday Jan. 28, 1918

o Ceti.

Plate	Est.	Remarks.
✓ B30428	6.2	
✓ B42050		does not cover.
✓ B11925	7.9?	
✓ B32416	8.8	
✓ B28386	7.5?	
✓ B17302	10.1	
✓ B26540	8.4	e.

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Tuesday Jan. 29, 1918

o Ceti.

11:30

Plate	Est.	Remarks.
✓ MC 11970	>6.3	
✓ MC 6328	9.7 p.c.	
✓ MC 13383	>6.3	
✓ MC 6432	9.7 p.c.?	
✓ MC 11733	>6.3	
✓ MC 7250	7.7? p.c.	
✓ MC 6497	10.1 p.c.	
✓ MC 12117	6.4? p.c.	
✓ MC 13247	7.3? p.c.	
✓ D 10331	9.4	
✓ D 2140	7.5?	
✓ D 29869	9.7	
✓ D 9292	~~7.2~~ 7.4?	
✓ D 10315	9.5	
✓ D 5637	9.4?	
✓ D 31967		Disks not cover.
✓ D 7525	9.7	
✓ D 10460	8.6	i e
✓ D 5382	9.8	
✓ D 28320	10.1?	
✓ D 14311		Spectrum
✓ D 9394	7.6?	
✓ D 5117	9.4	
✓ D 28306	9.9	
✓ D 19955		Does not cover.
✓ D 13823		" " "

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Tuesday. Jan. 29, 1918

o Ceti

Plate	Est.	Remarks.
✓ ☌ 3039	9.9	
✓ ☌ 29296		Holes not cover.
✓ ☌ 18909		" " "
✓ ☌ 13949	9.4	
✓ ☌ 15943		Holes not cover.
✓ ☌ 11895	10.2	
✓ ☌ 4636		Spectrum.
✓ ☌ 32120		Holes not cover.
✓ ☌ 11603		" " "
✓ ☌ 11880		" " "
✓ ☌ 4452	6.7?	i
✓ ☌ 29567	10.1	
✓ ☌ 10341	9.4	
✓ ☌ 10346	9.2	
✓ ☌ 2767	9.0	
✓ ☌ 29738	10.2	i
✓ ☌ 9451	8.5	i e
✓ ☌ 16039		Holes not cover.
✓ ☌ 10160	9.5	
✓ ☌ 4921	9.1	
✓ ☌ 24559	9.4?	e, i
✓ ☌ 13690		Holes not cover.
✓ ☌ 10,155	9.5	
✓ ☌ 4697	8.0	
✓ ☌ 22076	6.6?	
✓ ☌ 18785		Holes not cover.
✓ ☌ 10183	9.5	
✓ ☌ 4675	8.0	

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Tuesday Jan. 29, 1918

o Ceti.

Plate	Est.	Remarks.
✓ D 25762		Hole not cover.
✓ D 4741	8.4?	i e.
✓ D 10226	9.5	
✓ D 2141		Hole not cover.
✓ D 19090		Dso.
✓ D 5418		Hole not cover,
✓ D 10200	9.7	p.
✓ D 369	8.4	p.
✓ D 14107		Useless
✓ D 16287		Hole not cover,
✓ D 10174	9.5	
✓ D 1794		Useless.
✓ D 23905	>6.3	d.c.
✓ D 13684	10.1	
✓ D 7562	9.4	e. i
✓ D 2595		Too nr. ledge.
✓ D 21477	>6.3	e. p.
✓ D 2379	7.9	p.
✓ D 21476		Hole not cover.
✓ D 5402	9.5	e. i.
✓ D 7472	9.4	e. i, fogged.
✓ D 441	8.5	e. i. p.
✓ D 26425		Hole not cover,
✓ D 5263	9.5	i e p.
✓ D 10293	9.5	
✓ D 358		Too badly trailed. Does not cover.
✓ D 15920	9.8	
✓ D 5455	10.1?	i e.

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Tuesday Jan 29, 1918
o Ceti

Plate	East	Remarks.
✓ D 9605	9.4	e i f.
✓ D 5414	9.5	e i
✓ D 21583		Does not Cover.
✓ D 4877	8.7?	i e
✓ D 7895	10.3	i
✓ D 2701	8.8?	
✓ D 21781		Does not cover.
✓ D 3205	9.7?	i
✓ D 10236		Nebulae.

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Wednesday Jan. 30, 1918

o Ceti

11:25

Plate	Est.	Remarks.	
AC 19249	>5.7		✓
AC 15446	10.2		✓
AC 14569	9.7		✓
AM 11311	9.4		✓
AC 16804	9.4	i	✓
AM 12451	8.2	p. e.	✓
AC 15913		Hole not cover.	✓
AC 19669		" " "	✓
AC 17894	8.3		✓
AM 11274	9.5		✓
AM 12438	8.5	p. e.	✓
AC 15882	7.7		✓
AC 19557	6.2?	e. g.	✓
AC 17841	9.0		✓
AC 16747		Hole not cover.	✓
AM 11489		" " "	✓
AC 15794	9.5	Fogged.	✓
AM 12518	7.7	g. e.	✓
AC 16033	>5.7		✓
AC 16743	<9.2	n. e.	✓
AC 19078		Hole not cover.	✓
AM 12785	>5.7		✓
AC 16682	<8.7	n. e.	✓
AM 12737	>5.7		✓
AC 17129	>5.7		✓
AC 15456	9.8		✓
AC 19394	~~X~~	Hole not cover.	✓
AC 14601	9.7		✓

12:10

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Wednesday Jan. 30, 1918

o Ceti.

12:10

Plate	Est.	Remarks.	
aC 17189		Holes not cover.	✓
aC 18337	>5.7	e. g.	✓
aC 18043	>5.7		✓
aM 11371	9.1		✓
aC 16874	8.6		✓
aM 12482	8.1?	e. g.	✓
aC 15995	>5.7		✓
aC 18263	>5.7	e.	✓
aC 17990	6.6		✓
aM 11354	9.3		✓
aC 16863	8.6		✓
aM 12472	8.1?	g. e.	✓
aC 15972	>5.7		✓
aC 17956	7.6		✓
aM 12786	>5.7		✓
aC 19197		Holes not cover.	✓
aM 12794	>5.7		✓
aM 12803	>5.7		✓
aC 16617		Hole not cover.	✓
aC 19062	7.4?	g. e.	✓
aC 18247		Too poor qual.	✓
aM 12680	>5.7		✓
aC 17051		Holes not cover.	✓
aM 12660		Hole not cover.	✓
aC 16209		Too few stars region does not come out.	✓
aM 12812		Hole not cover.	✓
aC 18504	6.4	g. e.	✓
12:55 aM 12649	>5.7	Seems about equal to 5.7	✓

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Thursday Jan. 31, 1918

o Ceti.

11.05

Plate	Ext.	Remarks.	
aC 17024		Does not cover.	✓
aC 18088	>5.7		✓
aM 11462	7.0		✓
aC 16988		Does not cover.	✓
aM 12530	7.5	e	✓
aC 18391		Does not cover.	✓
aC 18079	>5.7		✓
aM 11417	8.2		✓
aC 17157	>5.7		✓
aC 18522	6.6?	Very black + pnn	✓
aC 19142	>5.7		✓
aC 18298	>5.7		✓
aC 19294	>5.7	e. g.	✓
aC 19416	>5.7		✓
aC 15507	10.1		✓
aM 10287	9.5		✓
aC 14671	<8.7	n. e. i p Iso.	✓
aC 17283	5.9?	e. g.	✓
aC 16948	8.1		✓
aC 15470	7.6?	e p i	✓
aC 19436		Does not Cover	✓
aC 14612	9.7		✓
aC 14723	9.4	i	✓
aC 17858		Does not cover.	✓
aC 17037	>5.7		✓
aC 19450	>5.7		✓
aC 15544	9.5	i	✓
aM 10314	6.7	i	✓

12.00

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Thursday Jan. 31, 1918

o Ceti.

12:00

	Plate	Est.	Remarks.	
	aC 14687	9.5	i	✓
	aC 17290	>5.7		✓
	aC 15388	9.5		✓
•	aC 18051	>5.7	l. g.	✓
	aC 17156	>5.7		✓
	aC 19668	7.0	g.	✓
	aC 17170	>5.7		✓
	aC 19160	>5.7		✓
	aC 18409	6.2		✓
	aC 19226	>5.7		✓
	aC 14550	<8.3	n. e.	✓
	aC 15774	9.7	e	✓
	am 11109	9.5		✓
	aC 15373	9.4		✓
	aC 17976	7.0	g e	✓
	aC 17144	>5.7	Irregd.	✓
	aC 19584	5.9		✓
	aC 14798	7.6		✓
	aC 17907		Does not cover.	✓
	aC 17067	>5.7		✓
	aC 19459	>5.7	nearly equal to 5.7	✓
	aC 15601	9.7		✓
12:55	aC 18154		Does not cover.	✓
1:50	aC 17268		" " "	✓
	aC 16844	9.3		✓
•	aC 15581	<7.6	n. e. very black Also	✓
	am 10325	>5.7		✓
	aC 17193	>5.7		✓

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Thursday Jan. 31, 1918

o Ceti.

2:00

Plate	Est.	Remarks.	
AM 10988		Var. just off plate	✓
AC 15959		Hole not cover.	✓
AM 11297		" " "	✓
AC 15400	9.7		✓
AC 18089		Hole not cover.	✓
AC 17169	>5.7		✓
AC 19679	6.9		✓
AM 11266	9.4	e g.	✓
AC 17825	9.3		✓
AC 16692	9.7		✓
AM 11433	7.7	e g.	✓
AC 15748	10.1		✓
AC 17374	6.6	"	✓
AM 11126	9.2		✓
AC 15984	>5.7		✓
AM 11373		Hole not cover.	✓
AC 17284	5.9?		✓
AM 11010		Var. just off plate	✓
AC 15973	>5.7		✓
AM 11364		Hole not cover.	✓

2:35

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Friday Feb 1, 1918

o Ceti.

12:00

	Plate	Ext	Remarks.
	✓ AM 3772	10.1	
	✓ AM 6543		Smashed in Transit.
	✓ AC 5706	9.9	See p. 28 of this book.
	✓ MC 6328	9.5	" " 61 " " "
	✓ AC 5429	4.7	
12:20	✓ AC 13090	9.5	See p. 44 of this book
	✓ AC 476	5.9	
12:30	✓ AC 7985	>5.7	
12:35	✓ AM 4682	>5.7	See p. 22 of this book
1:45	✓ AM 10376		Does not cover.
	✓ AC 10871	>5.7	
	✓ B 8500		Does not cover.
	✓ B 34960	10.1	e i
	✓ AC 11947		Mended plate, region just on crack.
	✓ AM 5700	9.8	
	✓ AC 5322	9.1	
	✓ AM 1720	10.2	
	✓ B 28 452	7.6	
	✓ AC 4382	9.9	
	✓ AM 2325	10.0	
2:20	✓ AC 1326	< 9.2	Badly fogged

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Saturday Feb. 2, 1918

o Ceti.

	Plate	Exte	Remarks
✓	B 49420	6.4?	
✓	B 44252	9.7?	e. g
✓	AC 402		Iso. super. on a cKoy
✓	AM 151		cannot be found

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Monday Feb. 11, 1918

o Ceti. Transit Photometer.

3:10

Plate No.	Est.	Remarks.	
M 2297	5.4		✓

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Wednesday Feb. 13, 1918

o Ceti Transit Photometer.

Plate No.	Test	Remarks.	
M 2745	6.6	F. p. Fogged.	✓
M 3175		Fogged by moonlight.	
M 4190		Too poor.	
M 1498	< 5.7 m.s.		✓
M 3376		Badly fogged.	
M 3262	?		Re-examine
M 4195		Too poor.	
M 3189	< 6.6	seen	✓
M 3322	?		Re-examine.
M 2681	5.1		✓
M 1239	m.s.	fogged by moonlight.	
M 328	< 6.5 m.s.	fogged.	✓
M 3318	< 6.6		✓
M 508	~~5.6~~ ↓	useless.	
M 1883	5.2		✓
M 1868	5.3		✓
M 313		Too poor.	
M 2619	4.8		✓
M 2703		Too poor.	
M 3104	5.7		✓
M 309		Useless.	
M 2645		Too badly fogged.	
M 2735		Badly fogged by moon —	
M 4210		Too poor.	
M 311		Few stars. poor.	
M 1526	6.5		✓
M 1515		Fogged & stained.	
M 4276		Too poor.	

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Wednesday Feb. 13, 1918

o Ceti Transit Photometer

Plate.	Est.	Remarks.
M 3195		Too poor.
M 3211		" "
M 289		Fogged by moon.
M 4270		

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Friday Feb. 15, 1918

o Cati. Deanit Photometer

Plate	Ext.	Remarks.	
M3213	6.6		✓
M4223		too poor.	
M639		" "	
M2677	5.0		✓
M628		Fogged by moon.	
M170		Badly fogged.	
~~M~~ M326	6.6 M. N.		

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Saturday Feb. 16, 1918

o Ceti Transit Photometer

Plate No.	Est.	Remarks.	
M4202		Too poor.	
M173		Badly fogged.	
M 2669	4.9		✓
M3198	< 6.6 n. v		✓
M258	< 6.6 n. v.		✓
M1453	< 6.6 seen 6.8?		✓
M1747		Badly fogged.	
M3167	6.5?		✓
M 262	< 6.6 n. v.		✓
M3219	6.6		✓
M226		Too poor.	
M191	n. v.	Poor	
M1492	< 6.6 near.		✓
M 3170	< 6.6 n. v.	Fogged comparator 6.6 seen.	
M204		Too poor.	
M3228		Badly fogged - Moon.	
M 229	not seen		
M188	not seen		
M1877	4.9		✓
M4235		Holes not cover.	
M3800		Too poor.	

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Monday Feb. 18, 1918

o Ceti Transit Photometer.

10:45

Plate	Est.	Remarks	
M 1897	5.3		✓
M 810		Does not cover.	
M 1890	5.1		✓
M 644	n. r.		
M 318	n. r.		
M 3257	n. r.		
M 2204	6.3		✓
M 1507	n. r.		
M 164	n. r.	poor.	
M 286	n. r.	fogged	
M 609		too poor	
M 3883	n. r.		
M 284	n. r.		
M 608	n. r.		

11:50

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Tuesday Feb. 19, 1918

Cele Transit Photometer

11:00

Plate	Test.	Remarks.	
M1841	N.R.		
M3725		Too poor.	
M 1837	4.9?		✓
M277	N.R.	Poor	
M601		Fogged.	
M 1835	N.R.		
M 271	N.R.	poor	
M1847	N.R?		
M 658		Badly fogged	
M 613		Poor	
M 815		Edge.	
M 1256		Black.	
M268	N.R.		
M 1907		Black	
M655	N.R.		
M610	N.R.		
M4238		Badly fogged - Moon	
M819		Poor - Edge	
M1244	N.R.		
M324	N.R.		
M2615		Too poor	
M3315	6.3?		✓
M3253	N.R.		
M2627		Plate not cover	
M2324	N.R.?		
M2611	Too poor		

12:15

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Tuesday Feb. 19, 1918

o Ceti Transit Photometer.

2:00

Plate	Est.	Remarks	
M 3247	< 6.6		✓
M 2320	6.5?		✓
M 3091		Fogged.	
M 2773	n.r	Edge	
M 2609		Too poor	
M 2318	6.0		✓
M 2606	4.2		✓
M 3293		Too poor	
M 2630	4.1		✓
M 2317	6.0		✓
M 3162	n.r		
M 3289	n.r		
M 4248		Does not cover.	
M 2311	5.9		✓
M 3159		Too poor	

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Wednesday Feb 20, 1918

o Ceti. Transit Micrometer

10:40

	Plate	Est.	Remarks.
✓	ac 8131	>4.3	
✓	ac 4346	<8.7	
✓	ac 5362		too poor.
✓	ac 8107	>4.3	
✓	ac 1147		Hole not cover.
✓	ac 7164		Hole not cover.
✓	ac 1837		" " "
✓	ac 1771		Badly fogged, Hole not cover
✓	ac 8093	>5.7	
✓	am 2985	9.5	
✓	ac 1826		Hole not cover.

11:00

11:40

m 2763	n.r	
m 3284	Badly fogged.	
m 3279	" "	
m 2307	5.2	✓
m 2688	Badly fogged, moon	
m 2761	n.r	
m 248	n.r	
m 3232	n.r	
m 2753	n.r.	
m 3139		too poor.
m 244	n.r	Fogged.
m 3266	6.6	✓

12:15

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Wednesday Feb 20, 1918

o Cett. Transit Photometer.

1:30

Plate	Est	Remarks.	
M 2685	5.4		✓
M 2163		Streaked in region.	
M 558		Too poor.	
M 2624	4.1		✓
M 541	n.r	poor	
M 2160	n.r		
M 546		Badly fogged.	
M 2153	n.r.		
M 2555	5.6		✓
M 1595	5.0		✓
M 2664	4.9		✓
M 563	n.r.		
M 566	n.r.		

2:10

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Friday Feb. 22, 1918

o Ceti Transit Photometer.

11:40

Plate No.	Est.	Remarks.	
M2181	<6.6		✓
M3844	n.r.		
M2135	<6.6		✓
M1173		Badly fogged, Moon.	
M1764	n.r.	Pr. not among stars.	
M2217	4.9		✓
M3118		too poor, fogged, Moon.	
M2713		edge, n.r.	
M2173	n.r.	Good plate	
M2131	n.r.	Fogged, Moon	
M2769	n.r.	" "	
M1761	n.r.		
M2215		Too poor, scarcely any stars.	
M3108	6.6?		✓
M2712	5.9		✓
M2147	n.r.		
M2171	<6.6	near	✓
M2127	n.r.	Fogged, Moon	
M1565	5.6		✓
M2210	5.6?		✓
M2708	5.8		✓
M1128		Very poor plate	
M2177	n.r.		
M3136		Poor plate.	
M2285	5.4		✓
M2118	n.r.		

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Friday Feb. 22, 1918

o Ceti Transit Photometer.

Plate	Est	Remarks.	
M 1560	6.1		✓
M 2156	n. s.		
M 2280	5.4		✓
M 2115	n. s.		
M 3847	n. s.		
M 2139	n. s		
M 1176		Badly fogged.	
M 1767	n. s.	Fogged.	
M 2220	5.0		✓
M 3122	n. s.		
M 2718	n. s.		
M 2167	n. s		
M 2233	4.7		✓
M 3124	5.7?		✓
M 2185	<6.6		✓
M 3374		Fogged.	
M 569	n. s.		
M 2124	n. s.		
M 2634		Date not Cover.	
M 1573	5.6		✓

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Saturday Feb. 23, 1918

o Ceti Transit Photometer.

10:30

Plate No	Est.	Remarks.	
M3357	m.a?		
M1150		Edge.	
M2636	4.5		✓
M2120		Does not cover.	
M3353	6.0?		✓
M2276	5.0		✓
M1131		Edge, Poor.	
M3346	6.6?		✓
M2575	4.4		✓
M 543	m.a	Fogged.	
M535	m.a.		
M552	m.a.		
M2549		Too poor.	
M2582	4.7		✓
M2557	5.5		✓
M2551	5.9		✓
M2660	5.0		✓
M1591	5.0		✓
M1549		Too poor	
M1233	m.a.		
M1123	m.a?	Edge, poor	
M2271		Does not cover	
M3129	6.3?		✓
M2728	m.a.		
M2113		Useless Badly fogged.	
M3855		Edge.	
M1543		Edge, Poor.	
11:30 M1552	m.a.		

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Saturday Feb. 23, 1918

o Ceti Transit Photometer.

	Plate No	Est.	Remarks.	
11:50	M 1117	n. e.	Poor.	
	M 2261	n. e.		
	M 3125	< 6.1		✓
	M 2724		Too poor.	
	M 2188		Edge, fogged.	
	M 2150	< 6.1		✓
	M 1136		Very poor.	
	M 1770	n. e.	Fogged, Moon	
12:10	M 2197	6.1	marked ✓ Comp. star	

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Monday ✗ Feb. 25, 1918

9:30

o Eti Transit Micrometer.

Plate No	Est.	Remarks.
M 3852	n.e?	
M 2567	n.e?	Not sure of identification
M 1569		Cannot identify.
M 1505		Does not identify
M 627	n.e	
M 4266	n.e.	
M 3208	n.e	
M 3887		edge, does not identify
M 632		does not identify
M 2293		" " "
M 3832		" " "
M 4226		Poor, " " "
M 3923		Cannot identify
M 1236	<6.6	
M 3798		Does not identify
M 4230		" " "
M 322	n e	
M 648		Cannot identify
M 3931		" "
M 811		" "
M 3759	n.e.?	
M 3914	n.e?	
M 802		Does not identify
M 3793	n.e	
M 1496	n.e?	
M 2675	n.e	Edge not seen
M 181	n.e	Poor

10:50

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Monday Feb. 25, 1918

Cele Transit Photometer

2:15

Plate	Est.	Remarks
M4243		Cannot identify.
M1903	n.r.	Poor
M3933	n.r.?	
M3705		Does not identify.
M555		Cannot identify.
M1152	n.r.	
M3822		Cannot identify
M3093		Poor. Few stars
M3824	<6.6	✓
M2702	n.r.	
M3095	n.r.	
M649	n.r.	
M1741		Cannot identify
M222	n.r.	poor.
M3216	n.r.?	Edge.
M.297	n.r.	
M3941		Cannot identify
M3730		" "
M3901		" "
M166		Poor Few stars
M1750		Cannot identify
M316	n.r.	
M3905		Cannot identify.
M3895		" "
M3899	<6.6	✓
M1739		Cannot identify.
M1853	6.1?	✓

3:35

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Tuesday, Feb. 26, 1918

o Ceti Transit Micrometer.

10:00

Plate No.	Est.	Remarks.	
M 1445		Does not identify.	
M 333		Badly fogged.	
M 292	n. s.		
M 1857		Does not identify.	
M 3738	5.3?		✓
M 3944		Cannot identify.	
M 3781		Fogged.	
M 3769		Cannot identify.	
M 3789		Does not identify.	
M 4220		Very poor.	
M 314	n. s.		
M 1755		Cannot identify.	
M 636	n. s.		
M 2207		Cannot identify.	
M 3829	n. s.		
M 4216	n. s.?		
M 3949		Cannot identify.	
M 3751	6.4?		✓
M 3910	n. s.		
M 3795	<6.6		✓
M 3802	n. s.?		
M 3786	6.7?		✓
M 1886	5.2		✓
M 3917	n. s.	fogd.	
M 3322	n. s.		
M 3262	n. s.		
M 596	n. s.	poor.	

11:15

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Tuesday, Feb 26, 1918

o Cet. Transit Photometer.

11:25

Plate No.	Cent.	Remarks.
M 3722	n. R.	
M 3762	n. R	
M 616	n. R?	
M 4250		Cannot identify.
M 3871		" "

11:45

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1917phae.proj..703B

Wednesday, Feb. 27, 1918

2:20

o Ceti Transit Photometer.

Plate	Est.	Remarks.
M 3766		Very faint?
M 620	m. s.	
M 605	m. s.	
M 4254	m. s.	
M 280	m. s	
M 3329		Cannot identify
M 3878	m. s.	
M 1501		Cannot identify.
M 2586	m. s.?	
M 572		p. Cannot identify.
M 2642		Fogged. cannot identify
M 2748		Cannot identify.
M 3278		Does not identify.
M 3146	5.1?	✓
M 251	m. s.	
M 3807	m. s.	
M 3150	m. s.	
M 4246		Extreme edge
M 2691	m. s.	
M 2765	m. s.	
M 3240	m. s.	
M 3813		Does not cover.
M 2698	m. s.?	
M 2767	m. s.	
M 3237	< 6.6	✓
M 3815		Fogged, Cannot identify.
M 2771		Fogged, Edge, " "

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Wednesday Feb. 27, 1918

o Ceti Transit Photometer.

Plate	Est.	Remarks.
M3083	N. R.	
M3243	N. R.	
M2244		Does not identify
M3819	N. R.	
M3309	N. R. ?	
M3361	N. R.	
M2722		Cannot identify.
M3858	N. R.	
M3133	N. R.	
M3337	N. R.	
M3341	N. R. ?	
M3107	N. R.	
M1758		Cannot identify.
M2262		poor. Cannot identify.
M3836	N. R.	
M3839	N. R.	
M623	N. R.	
M4261	N. R.	
M3333	N. R.	
M[illegible]58	N. R.	
M1587		poor. Edge
M2656	N. R.	
M2621	N. R.	
M2626	N. R.	
M2579	N. R.	
M2780		Broken, not mended.
M1243		No plate in cover.
M3732		Cannot identify.

3:30

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1917phae.proj..703B

Wednesday Feb. 27, 1918

o Cetti Transit Micrometer

3:45

Plate	Ext.	Remarks
M1529		Too badly fogged.
M265		" " broken.
M255	N. R.	
M3740	N. R.	

3:50

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Saturday Mar. 2, 1918

Re-measure - o Ceti Transit Plot -

11,40

Plate	Ext.	Remarks.
M2619	n. e.	Edge smudged — must have
M1526	6.5	fogged — estimated b^2
M1453	n. e.	must have identified
M3167	n. e.	" incorrectly.
M1492	n. e.	Estimated b^2?
M1837	n. e.	
M3315	6.5-	
M3108	3. e.	
M3353	6.3?	not sure of identification
M3346	<6.6	6.8?
M3129	3. e.	

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1917phae.proj..703B

Monday Mar. 4, 1918

o Ceti Transit Micrometer

10:00

Plate No.	Cat	Remarks
M 7681	n.e.	
M 7985	Edge.	
M 6802	Too poor.	
M 7209	does not cover.	

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Tuesday Mar. 5, 1918

o Ceti Transit Photometer.

12:35

Plate	Cat	Remarks.
M 7674		Cannot identify.
M 8005	n. r.	Fogged, moon.
M 6395		Badly fogged. Moon.
M 7983	n. r.	
M 7672		Corner broken.
M 7207	<6.6	✓
M 8002		Badly fogged.
M 7670		DO poor.
M 7203		Does not identify.
M 7664		Does not cover.
M 7264	n. r.	
M 7556		Does not identify.
M 7655		Badly fogged.
M 7134		Fogged & tracked.
M 7553	n. r.	
M 7261		Fogged.
M 7652	n. r.?	Fogged.
M 7195	n. r.	Fogged.
M 7549	n. r.?	
M 7131	n. r.	
M 7645		Badly fogged.
M 7257	n. r.	
M 7545		Edge n. r.
M 7190		Fogged.
M 7643	n. r.	Fogged.

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1917phae.proj..703B

Wednesday, Mar. 6, 1918

o Ceti Transit Photometer.

11:30

Plate No	Est.	Remarks.
M 6405	n. s.	
M 6850		seen very faint
M 8040	n. s.	
M 7235 + 7243		Barely seen?
M 7914		Dots not cover.
M 6848	4.0	✓
M 6403	n. s?	Very badly stained
M 7229	n. s?	
M 8035	n. s?	edge
M 6799		Too poor.
M 7227		Cannot identify
M 8028	n. s.	Poor
M 7226	n. s.	poor.
M 7223	n. s.	
M 8023	n. s.	
M 6831		Too poor.
M 8018		Cannot identify.
M 7692	n. s.	Badly fogged.
M 7999	n. s.	
M 6829		Too poor.
M 7220	n. s.	Fogged

12:00

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1917phae.proj...703B

Thursday Mar. 7, 1918

o Cet Transit Photometer.

10:00

Plate No.	Est.	Remarks.
M 5286		Too faint.
M 4750		Does not cover.
M 6452		Fogged.
M 4747	n. s.	
M 6446		Fogged.
M 4730	n. s.	
M 4742		Does not cover.
M 4727	n. s.	
M 7962		Does not identify.
M 7600	n. s.	
M 6440	n. s?	Edge
M 7596	n. s?	
M 4740		Badly fogged.
M 7593	Faint.	
M 7959	Edge. n. s	
M 7589	n. s.	
M 6436	n. s.	
M 7580	n. s.	
M 7575	n. s.	
M 4737		Cannot identify
M 6435		Poor.
M 5871		partially in cover.
M 7570	Edge.	Poor.
M 5866		Poor.
M 7955	n. s	
M 5856	< 5.5 ?	n. s. ✓
M 6433	< 5.2	n. s. ✓

11:00

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1917phae.proj..703B

Thursday Apr. 7 1918

o Ceti Transit Photometer.

1:30

Plate No	Est.	Remarks.	
M 7568		Badly fogged Edge.	
M 7951		Fogged, Moon	
M 7250	< 5.5	n.e.	✓
M 6870		900 poor.	
M 7563		900 poor.	
M 7929		Hole not Covers.	
M 6860		900 poor.	
M 6419	< 5.2?	900 poor.	✓
M 7245	< 5.5		✓
M 7560		900 poor.	
M 6857	< 6.6	6.7?	✓
M 7925		Cannot identify.	
M 7243	Sec 72 35	p. 104	
M 6410		Cannot identify	
M 6854		Cannot identify	
M 7558	< 5.2		✓
M 7239		No plate in cover.	
M 8008			

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1917phae.proj...703B

Thursday Mar. 14, 1918

o Ceti Transit Photometer

12:30

Plate No.	Est.	Remarks.	
M7689		Bad - Fogged.	
M7213		Edge - Blisters - poor.	
M6815		Too poor. — " —	
M7685		Broken in region.	
M6818		Cannot identify	
M7680		Visible But not comp. star.	
M7249		Too poor.	
M5855	m. v. < 6.0		✓
M7989	5.3?	poor.	✓
M7994	Too poor.		
M 6822	m. v. < 4.6		✓

1:00

1:45

M7216	5.4		✓
M8015	5.9		✓
M8008	m. v. < 5.5	Fogged.	✓
M6839	4.1		✓
M7198		Black. — Broken	
M7209		Does not come.	
M6802		Fractured.	
M7985		Too poor.	
M7681		Poor Cannot identify	
M7128	5.4?		✓
M7254	< 6.0 m. v.		✓
M7639	6.1?		✓
M7185	4.4?		✓
M7635	< 5.5 m. v.		✓
M7540	5.6?		✓

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Thursday Apr. 14, 1918

9 Cets Trans. Plots.

2:25

Plate No.	Est.	Remarks.	
M7702	<5.2 n.n	Fogged	✓
M7631		Does not cover.	
M7179	4.9		✓
M7626		Too poor.	
M7121		Does not cover.	
M7537	5.7?		✓
M7697		Too poor.	
M7623		Cannot identify.	
M7176		Too poor.	
M7538	<5.5 n.n		✓
M7119	5.9		✓
M7532	5.9		✓
M7980	<5.2 n.n		✓
M7617		Too poor	
M7171	Too poor		
M7529	<6.0 near		✓
M7116	<6.0 near		✓

3.00

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1917phae.proj..703B

Friday Mar. 16, 1917.

o Ceti Transit Photometer.

9:15

Date No.	Est	Remarks.	
M 7611	5.7		✓
M 7979		Too poor.	
M 7524	<6.0	clear.	✓
M 7168	4.7		✓
M 7607	5.6		✓
M 7110	<6.0	clear.	✓
M 7521	n. s.	P.	
M 7976	<4.6	5.2 n. s. var. clear.	✓
M 7603		Object off corner	
M 7165		Edge.	
M 7153	4.8		✓
M 7106	<6.0	clear. faint.	✓
M 7518	n. s.		
M 7973		Cannot identify.	
M 7151	~~<6.0~~	" "	
M 7164	4.9		✓
M 7516	n. s.		
M 7107		Too poor.	
M 7149		Fogged - moon	
M 7971		Cannot identify	
M 7513		Fogged	
M 7161	5.0		✓
M 7147	4.9		✓
M 7098		Fogged.	
M 7510		T. P.	
M 7968		Edge.	
M 7141	5.0		✓
M 7507	n. s.	Poor.	

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1917phae.proj..703B

Friday. Apr. 15, 1916

o Cet

Transit Plot. —

10:15

Plate No.	Est.	Remarks	
M7156		Cannot identify	
M7096		F.P.	
M7138	5.1		✓
M7964		Neb. faint <6.0 Poor	✓
M6905		Fogged – edge	
M7126		Cannot identify	
M7543		" "	
M8012	6.2?		✓

10:50

2:00.

M7239	No plate in cover.		
M~~6854~~ 7558	>3.9	3.7? "a" near edge, slide not neb.?	✓
M7558		Cannot identify.	
M7243		No plate.	
M6857	3.5?	"a" ur. edge.	✓
M7560	5.1		✓
M7245	6.3?		✓
M6419	< 4.6 n.e.	"c" not seen ✓ few stars.	
M6860		Badly fogged.	
M7250	n.e <6.0		✓
M7951		Badly fogged	
M7568	5.1?		✓
M6433	n.e.	few stars.	
M5454	n.e.?		
M7955		Cannot identify.	
M5866	F.p.		
M7570	t.p.		

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Friday Apr. 15, 1918

o Ceti Trans-Plut.

2:30

Plate No.	Exp.	Remarks.
M6435		Fogged — Edge.
M4737		Cannot identify
M7575		T.p.
M7580		Edge — Fogged
M6436		— Few stars
M7589	5.5	✓
M7959		Cannot identify.
M7593		" "
M4740		T.p.
M6848	3.7?	✓

2:45

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Saturday Mar. 16, 1918

o Cti. Transit Obst.

10:15

Plate No.	Est -	Remarks.	
M7220		n.s.	
M6829		t.p.	
M7999	5.6		✓
M7692		n.s. fogged.	
M8018	Cannot identify.		
M6831		t.p.	
M8023	n.s.		
M7223	n.s	t.p.	
M7226	<6.0?		✓
M8028		Hole not identified	
M7227		" " "	
M8035	<6.0	scm.	✓
M7229	<6.0	scm.	✓
M6403		n.s. Badly stained.	

10:50

11:05

M7235+7243	<6.0	n.s.	✓
M8040	<6.0	n.s.	✓
M6850	3.5?		✓
M6405		t.p.	
M7643		Badly fogged. Dayton.	
M7190		" "	
M7545		Cannot identify.	
M7257	<6.0	scm.	✓
M7645	n.s.	Badly fogged.	
M7131	5.1		✓
M7549	5.6		✓
M7195		Badly fogged.	
M.7652		" " Dayton	

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Saturday Apr. 16, 1918

o Cet - Phot.

11:30

Plate No.	Est.	Remarks.	
M7261		Badly fogged.	
M7553		Few stars.	
M7134		Does not identify	
M7655		Edge Badly fogged.	
M7556		Does not identify	
M7264	m. r. 6.0		✓
M7207	5.6		✓
M7983	5.2		✓
M8005	5.8?		✓

12:00

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1917phae.proj..703B

Tuesday Mar. 19, 1918

Cell Transit Shot.

Plate.	Exp.	Remarks.
M9655		Badly fogged — Moon.
M9656		" " "
M9666	<6.0 m.s.	

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Friday Apr. 27, 1917

Transit Obst. — δ Cet.

Plate	Est	Remarks.
M 9676		Cannot identify.
M 9672		" "
M 9667	m. r.	
M 9663		Cannot identify.
M 9661	m. r	Poor.
	M 4661 in cover	
M 6874		Too poor.
M 6845	— M 6846 in cover.	
M 6834		Too poor.
M 6826	g. p.	
M 6421	g. p.	
M 6399	(M 3399?)	Fogged. - Moon
M 5881		Edge - Fogged.
M 5875		Edge - Fogged.
M 5443		Does not cover.
M 5289		Fogged - Edge.

Re-Measures.

M 1526	6.4?	✓
M 3129	6.4?	✓
M 3346	6.5?	✓
M 3353	5.9?	✓
M 3108	6.5	✓
M 3315	< 6.5	✓
M 1837	m. r < 6.6	✓
M 1492	< 6.6 m. r	✓
M 3167	6.5	✓
M 1453	6.4? Confused — reject.	✓
M 2619	4.5? Edge	✓

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Saturday Mar. 23, 1918

o Ceti - Chart Plates.

10:30

Plate No.	Est.	Remarks.	
aC 18616	7.5	Fogged.	✓
aC 17897	8.6		✓
aD 16671	6.4		✓
aC 18152	>5.7		✓
aD 16667	6.3	Fogged.	✓
aC 18164	>5.7		✓
aD 16644	5.9		✓
aC 18457	5.9	e.	✓
aD 16611	5.9		✓
aC 19183	>5.7		✓
aD 16599	6.0		✓
aM 12648	5.9 e.g.		✓
aC 19108	>5.7		✓
aM 12631	5.8 e.g.		✓
aD 16588	5.6		✓
aM 11334	9.3		✓
aC 19077	6.7		✓
aC 17049	5.9 e.g.		✓
aD 16576	5.5		✓
aC 16987	7.1?		✓
aC 19382	>5.7		✓
aC 16735	9.4		✓
aD 16566	t.p.		✓
aC 17239	t.p.		✓
aC 19473	5.8?	e.	✓
aC 17857	8.9		✓
aD 16554	t.p.		✓
aM 11481	See 8, 109 ——→		

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Saturday Apr. 23, 1918

o Ceti

Plate No	Ext	Remarks	
AM11481	> 5.7		✓
AM11296	9.5		✓
AD16537	5.8		✓
AM12082	9.3		✓
AM9506	9.5		✓
AM12668		Does not cover,	✓

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Tuesday. Mar. 26, 1918

o Ceti.

Plate	Est.	
gm 13600	> 5.7	✓
gm 13624	> 5.7	✓
gm 13622	> 5.7	✓

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Monday Oct. 15, 1918

o Ceti. – 4 Plates.

Plate	Est.	
M 11539		
M 3346	<6.6	m. s.
M 3353	<6.1	m. s.

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Wednesday Apr. 24, 1918

o Ceti Transit Photometer

Plate	Est.	Remarks.
m 10560	< 5.5	
m 10670	5.4	
m 11598	n.e. < 5.7	
m 11602	< 5.5 n.e.	
m 10611	< 5.5	
m 11568	< 5.5	
m 11495	t.p.	

Thursday Feb. 27, 1919

✓ I 34315	Too bright.	
✓ I 34287	7.2	

Thursday April 17, 1919

a m 13659	Too bright	✓
a m 13671	Too bright.	✓
a m 13682	Too bright	✓
a m 13731	" "	✓
a m 1375	Can not be identified at 2h − 20°	✓
a m 13666	Bright.	✓
a m 13672	Bright.	✓
a m 13699	5.3	✓
a m 1373	5.4	✓
a m 13760	6.	✓

Saturday July 19, 1919

B 26540	7.4	certainly not < 7.5 ∴ reject 8.4
B 26562	t.p.	elongated, near edge

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~~Superseded See P. 152 of this book~~

Thursday June 20, 1918

Nova Aquilae No. III.

D.C (see P. 152) Plate on P. 152 is MD = 14985

MC 14985 N.B. - Only two objects on MC = 14985 therefore impossible to identify.

Scale R. Nova (?) α Ophiuchi (?)

Northern row of images. Southern row of images

Exposure No. Rt. to Left Film up	Primary Sc 1	Primary Sc 2 ✓	no. g Diff. Sc 2 / Sc 1	so. h. Diff. Sc 2 / Sc 1	Primary Sc 1	Primary Sc 2	g Diff. Sc 2 / Sc 1	h. Diff. Sc 2 / Sc 1
1	6.3	6.4	10.7	10.8	5.8	6.0	10.8	10.8
2	8.3	8.6	13.2	13.3	8.3	8.5	13.4	13.3
3	8.8	9.2	13.5	13.6	8.1	8.5	13.4	13.4
4	8.3	8.5	13.6	13.5	8.2	8.6	13.4	13.3
5	8.6	8.8	13.6	13.6	7.8	8.3		
6	8.3	8.6			8.3	8.7		
7	8.8	9.1			7.9	8.1		
8	8.3	8.7			8.2	8.7		
9	8.7	8.9			7.8	8.0		
10	8.1	8.5			8.2	8.6		
11	8.2	8.6			7.7	8.0		
12	8.3	8.7			7.9	8.1		
13	8.8	9.0			7.8	7.9		
14	8.6	8.8			7.8	7.9		
15	8.8	8.9			7.5	7.7		
16	8.2	8.5			7.9	7.8		
17	9.1	9.5			7.8	7.9		
18	-	-			7.8	8.0		
19	-	-			7.6	7.8		
20	-	-			8.8	9.1		

Not used

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~~Friday~~ ~~Thursday~~ June 27, 1918

Nova Aurigae No. III.

D. M. 14984 Iso

Superseded, See P. 187

Scale P.

	Northern row of images		Southern row of images	
	No 1	No 2	No 1	No 2
1	7.8	8.2		11.7
2	10.9 →			11.6
3	11.2 →			11.4
4	11.2 →			11.6
5	11.1 →			11.5
6	10.8			11.7
7	11.1			11.4
8	10.8			11.7
9	11.4	Figure Defective in region		11.3
10	10.8			11.7
11	11.3			11.4
12	10.9			11.6
13	11.4			11.5
14	10.9			11.7
15	11.3			11.4
16	11.0			11.7
17	11.5			11.4
18	10.8			11.7
19	11.3			11.5
20	10.9			11.8
21	11.3			11.4
22	10.9			11.7
23	11.3			11.4
24	10.8			11.7
25	11.4			11.5
26	10.9			11.6
27	11.3			11.7
28	10.9			

Not used

	Sc 1	Sc 2
29		11.4
30		10.9

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Saturday June 22, 1918

Nova Aquilae No. III

June 3 ✓ MC 14951 11.3 by direct comparison with stars of sequence – Magn. from p 8a of preliminary sheets.

June 7 ✓ MC 14960 5.7 by p.c. Superseded See P207
6.4 by diff. (poor)
9.6 [−3.74 −5.96] comparing diff. of p.c. of nova with p.c. of comp. stars.

For prism. Comp. 3.74 is not the right constant. There is no real constant.

June 8 See P.15+ MC 14969 Superseded. 6.4 p.c. nova with primary comp.
8.2 pC diff nova " " "
diff. of p.c of nova > p.c. of c.

June 9 See P15 Supersedes MC 4970 5.9 2nd upp. left to right
p.c nova with prim. comp.
~~9.2 p.c. diff. nova "~~

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Friday. June 28, 1918

Order of exposures is from prec. to foll. direction.

Nova Aquilae No. III

Scale M mc 14973 J.D. 1757 corrid

Nova

Expo. No.	Sc. 1.	q	Diff. Im. Sc 1	Sc 2	h	Diff. Im. Sc 1	Sc 2	Curve					mag from Ca. exp. subtracting 3.74
(1)	8	4.7	4.9	5.0		4.8	5.0	5.0	4.98	-.40	4.58	8 4	0.89
	5	4.6	4.8	4.8		5.2	5.4	5.3	5.11	-.55	4.56	10 11	0.82
e=5.04	3 2	4.8	5.0	5.1		5.2	5.4	5.3	5.20	-.52	4.68	2 1	0.94
f=5.51	1	4.3	4.5	4.6		4.2	4.4	4.6	4.52	+.28	4.80	14 13 7	1.06
											26[7]	4.66 ± 0.85 ± .072	

4.66 − 3.74 = 0.92

Comparison stars.

Scale M	e Primary		f Primary		Aquilae. Primary	
	No 1	No 2	No 1	No 2	No 1	No 2
Expo. No. 8	5.7 6.9	5.9 5.90	6.7 6.9	6.9 6.90	3.7	4.0
(2) 5	5.8 6.0	6.1 6.05	6.7 6.9	7.0 6.95		
3 2	5.8 6.0	5.9 5.95	6.6 6.8	7.0 6.90		
1	4.7 4.9	5.1 5.00	5.9 6.1	6.2 6.15		

Scale M. mid. image bet. exposures.		Nova. q Diff. Im. Sc 1	Sc 2	Nova. h. Diff. Im. Sc 1	Sc 2	Corresponding e Sc 1	Sc 2	Comp. stars. Corresponding primary mags f Sc 1	Sc 2	Aquilae. Sc 1	Sc 2
	9-10	1-2	8.2				8.4	8.9		7.8	
3,4	8-9	2-3	8.3				8.3	8.8		7.8	
	7-8	3-4	8.3				8.4	8.9		7.9	
	6-7	4-5	8.1				8.3	8.9		7.9	
	5-6	5-6	8.1				8.5	8.9			
	4-5	6-7	8.0				8.5	8.9			
	3-4	7-8	8.1					8.8			
	2-3	8-9	8.1					8.9			
	1-2	9-10	8.2				8.7	8.9			

Not used

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Tuesday Aug. 13, 1918

Nova Aquilae No 3.

Plate	Est	Remarks	copy checked
AD17226	B.	0.7?	✓
AD17242	3.2	4m exp.	✓
AD17253	2.9	10m ex	✓
AD17258	3.9	10m ex.	✓
AD17262	3.9	10m ex.	✓
AD17216	B.		✓
AD17319	4.0	c	✓
AD17327	3.8		✓
AD17240		Mul. nim. see fr. 166	✓
AD17247	2.8		✓
AD17249	2.9	4m ex.	✓
AD17210	B.		✓
AD17222	1.6?	c	✓
AD17236	1.8?	2m. ex	✓
AD17224		Cannot see anything	✓
AD17220	1.3?		✓
AD17225	1.8? Reject. 30	t. fr 2 ex Probably observed defect.	✓
AD17239		Mul. nim see fr. 164	✓
AD17241		" " see fr. 163	✓
AD17195		m. e.	✓
AD17257	3.5	10m ex.	✓
AD17228	B. 1.6?	34m ex. other diffy too close.	✓
AD17251		Mul. nimage see fr 165	✓
AD17244	3.4?	many defects on plate ✓ ex 4.9m	
AD17305	4.5		✓
AD17323	3.1	3m ex	✓
AD17332	3.4	longest ex.	✓
AD17273	3.3		✓

Could not identify on second examination

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Tuesday Aug. 13, 1918.

Nova Aquilae No. 3.

copy checked VV

Plate	Est.	Remarks.	
a 9 17227	2.2?	B.	X
a 9 17214	1.4?	B	X
a 9 17207	B	nova ~~single poor~~ ~~negative~~ ~~exposure~~ ~~plate~~ ~~scratched~~.	X
a 9 17217	1.3?	longest exposure.	X
a 9 17237	2.4?	longer ef	X
a 9 17235	2.2?	" "	X
a 9 17335	3.4	i	X
a 9 17238		mul. image see p. 162	X
a 9 17345	4.1	longest ef.	X
a 9 17264	3.9	" "	X
a 9 17329	4.6 f.	Only one ef of nova nic.	X
a 9 17288	3.9	not for nova? Images a large Ryix.	X
a 9 17294	4.7? f.		X
a 9 17215	B.		X
~~a 9 17265~~			

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Wednesday Aug 14, 1918

Nova Aquilae No. 3.

copy checked W

Plate	Est.	Remarks.	
AD 17250		Mod. min See p. 161	✓
AD 17271	3.3	Longest ex	✓
AD 17265	3.5	" "	✓
~~AD 17201~~			
AD 17234	2.2?	Longest ex.	✓
AD 17299	3.6		✓
AD 17221	1.3?	Longest ex	✓
AD 17334	3.7		✓
AD 17281	3.2		✓
AD 17341	3.7	Longest ex	✓
AD 17237	2.2	~~Longest ex~~ ← Only 2 exps. - 4m and 30s 30s does not show	✓
AD 17217	1.4	middle ex. Images obsc.	✓
AD 17332	3.5	" "	✓
AD 17323	3.5	" "	✓
AD 17244	3.8	" "	✓
AD 17257	3.2	" "	✓
AD 17225		Cannot see anything	✓
AD 17236	2.3	1m ex. 30s too obsc.	✓
AD 17249	3.2	2m ex.	✓
AD 17262	4.0	mid ex.	✓
AD 17258	3.5	mid. ex.	✓
AD 17253	3.2	" "	✓
AD 17242	3.1	2m ex.	✓
AD 17341	3.5	mid ex.	✓
AD 17221	1.5	" " short ex	✓ lap. 21 R.
AD 17234	2.0	short ex.	✓ mid ex. too close to longest.
AD 17265	3.8	mid. ex.	✓
AD 17271	3.4	" "	✓
AD 17288		not to be used	✓

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Wednesday Aug 14, 1918

Nova Aquilae No. 3.

Copy checked VV

Plate	Est.	Remarks	
AO 17264	3.8	mid of	X
AO 17345	4.5	" "	X
AO 17235	2.0	~~faint~~ shorter cf.	X
AO 17345	4.5	shortest cf	X
AO 17264	4.0	" "	X
AO 17271	3.4	" "	X
AO 17265	4.0	" "	X
AO 17341	3.9	" "	X
AO 17253	3.2	" "	X
AO 17258	3.9	" "	X
AO 17262	3.8	" "	X
AO 17249	2.9	" "	X
AO 17257	3.9	" "	X
AO 17244	3.5	" "	X
AO 17323	3.6	" "	X
AO 17332	3.5	" "	X
AO 17217	1.2	" "	X

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Monday Aug. 19, 1918

Nova Aquilae No. 3.

Plate	Est	Remarks	
ad 17297	4.1?	p.	x
ad 17299	3.7		x
ac 20291	4.0		x
ac 20293	3.8	p.	x
ad 17376	3.9	longest exp.	x
ad 17292	3.5		x
ad 17377	3.8	Arc exp. scan.	x
ad 17305	4.5		x
ad 17374	3.8	Fogged. longest exp	x
ad 17376		mid exp. of nova defective	x
ad 17376	3.8	shortest exp	x
ad 17374	3.8	mid exp. (shortest exp. too faint)	x
ad 17379	4.3	Which exposure? Do not use su 8.141 Re-	
ad 17384	4.8	Which exposure? use su 8.141 examine.	

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124

N.B. — Iso Plate.

Wednesday Aug 28 1918

Order of exps. from pole to fall

Phys. mags. of comp. stars used in reducing Nova Aquilae No. III Iso plate.

X MC 14974 — Exposures numbered in red inks on plate.

Scale M	Nova		Nova				
Exp. No.	Diff Dm. g		Diff Dm. h.		mean Diff. Dm. "g"	mean Diff. Dm. "h"	mean g + h
2 X	Sc. 1 6.2	Sc. 2 6.4 6.1	Sc. 1 6.1	Sc. 2 6.3	6.40	6.30	6.35
1 ~~X~~	5.9	6.2 ~~5.8~~ 6.1	5.9	6.0 5.9	6.15	5.95	6.05

Superseded See P. 210

Comparison Stars.

Scale M	α Aquilae			γ Aquilae			ε.		
Exp. No.	Primary			Primary		Diff	Primary		Diff.
	Sc. 1	Diff	Sc. 2	Sc. 1	mean	Sc. 2	Sc. 1	Sc. 2	
2 X	3.3 3.1	−2.41		5.0 4.8	6.05	5.1 −2.25	6.8	7.05	7.1 −2.01
1 ~~X~~	3.8 3.6	−2.91		6.3 6.1	6.30	6.3 3.50	6.5 6.3	6.60	6.7 −1.56

Scale M	Nova			Comp. Stars				
mid. Image between Exps 2−1	~~Diff Dm. g~~ Primary	~~Diff Dm. h~~		α Aquilae	γ Aquilae Primary		ε. Primary	Diff.
	Sc. 1 6.7	6.9	6.90	6.3	Sc. 1 6.5 6.60	6.7	8.90	8.9
						−5.71		−6.10

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Do not use

See P. 127

Wednesday Aug. 28, 1918

Nova Aquilae No. III

MC 14978 – Exposures numbered in red.

Scale M.

Exp. No.	Nova Diff Im. g Sc 1	Nova Diff Im. g Sc 2	Nova Diff Im. h Sc 1.	Nova Diff Im. h Sc 2.
1	.	7.2	.	7.2
2	6.6	6.7	6.7	6.9
5	6.3	6.6	6.5	6.6
7	6.2	6.4	6.4	6.5

Comparison Stars.

Scale M

Exp. No.	γ Aquilae Primary Sc 1	γ Aquilae Primary Sc 2	ε Primary Sc 1	ε Primary Sc 2	ζ Primary Sc 1	ζ Primary Sc 2
1	6.7	6.9	6.8	7.1	.	7.9
2	3.6	.	6.6	6.7	.	7.3
5						
7			~~6.9~~			

Scale M.

Mid. image between Exps.	Nova Diff Images g Sc 2	Nova Diff Images h Sc 2	γ Aquilae Primary Sc 1	γ Aquilae Primary Sc 2	α Aquilae Primary Sc 1	α Aquilae Primary Sc 2	ε Primary Sc 1	ε Primary Sc 2
1 – 2	9.2							
2 – 3	9.4							
3 – 4	9.2							
4 – 5	9.5							
5 – 6	9.4							
6 – 7	9.2							
7 – 8	9.5							
8 – 9	9.3							
9 – 10	9.3							

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Thursday Aug. 29 1918

Nova ~~Monocer~~ Aquilae No III

copy sketched

MC 14972 — Not to be measured. ✓
MC 14973 — See P. 118 of this book. ✓
MC 14974 — See P. 124 " " " ✓

AD 17211 Brighter than "a" (1.0) ✓
AD 17213 Bright (slightly? brighter than "a" (1.0)] ✓

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Friday Aug. 30, 1918 Cloudy at start cleared during measures

Nova Aquilae No. III.

11:15

Scale M N M C 14978. – Exposures numbered prec. & foll. copied city checked VK

Length Exposure	Expo. no.	Nova Diff. Im. g dc1	dc2	Nova. Diff Im. h. dc1	dc2	mean "g" & "h"	Cu.	Mag	Subt. 3.74 for diff.
2m	4	6.4 6.2 6.45 0 1 6.5		6.4 6.2 6.50 1 1 6.6		6.48 03 02	−1.36	5.12	1.38
2m	6	6.5 6.3 6.50 0 0 6.5		6.5 6.3 6.55 1 0 6.6		6.52 02 03	−1.40	5.12	1.38
2	9	6.5 6.3 6.60 1 1 6.7		6.6 6.4 6.55 0 1 6.5		6.58 02 03	−1.53	5.05	1.31
?	10	7.0 6.8 7.10 1 1 7.2		6.9 7.1 7.20 1 1 7.3		7.15 05 05	−2.06	5.09	1.35

Comparison stars

		Diff	e Primary dc1	dc2	f Primary dc1	dc2	Diff
2	4	−1.28	6.1 5.9 6.30 2 1 6.5		6.8 7.0 7.10 1 1 7.2		−1.59 −2.03
2	6	−1.23	6.3 6.1 6.35 1 0 6.4		6.8 7.0 7.10 1 1 7.2		−1.59 −2.03
2	9	−1.53	6.4 6.2 6.55 1 1 6.7		– a 7.40 7.4		−1.89 −2.30
?	10	−2.03	6.8 7.0 7.05 0 1 7.1		– a 7.60 7.6		−2.09 −2.50
2	3	–	–				
2	5	–	–				
2	8	–	–				
?	10	–	–				

Diff. Cu. & Aquilae — Diff. Cu. & Aquilae.

g — h

none seen.

not used

g dc1	dc2	h dc1	dc2
5.8	5.9	5.8	6.2
5.7	5.8	5.8	6.1
5.6	5.9	5.9	6.2
–	7.6	–	7.4

Mid. range between Nova & Aquilae

Subt. 3.74	mag.	cu	dc1	dc2	mean	Diff	dc2
1.47	5.21	−4.04	9.2		9.25 0 1 9.3	−4.08	9.1
1.62	5.36	−4.04	9.4		9.40 0 0 9.4	−4.18	9.2
1.34	5.08	−4.17	9.1		9.25 1 2 9.4	−4.18	9.2
1.46	5.20	−4.30	9.5		9.50 0 0 9.5	−4.28	9.3
1.32	5.06	−4.39	9.5		9.45 1 0 9.4	−4.38	9.4
1.53	5.27	−4.03	9.2		9.30 1 1 9.4	−4.08	9.1
Reject. 10–2			8.9		9.40 1 1 9.5	−3.68	8.7
Reject. 2–5			9–10	9.3	9.35 1 0 9.4	−3.78	8.8

Mid. range between Aquilae & Cu.

Length Expo.	Expo. no.	Primary dc1	dc2	g dc1	dc2	h dc1	dc2	Diff
?–5	1–2	−4.43	8.3	8.8		8.8		
5–2	2–3	−4.23	8.1	8.7		8.7		
2–9	3–4	−4.33	8.2	8.8		8.7		
9–2	4–5	−4.23	8.1	8.7		8.8		
2–5	5–6	−4.33	8.2	8.8		8.7		
5–10	6–7	−4.33	8.2	8.8		8.7		
10–2	7–8	−4.23	8.1	8.8		8.8		
2–5	8–9	−4.33	8.2	8.8		8.8		

not used

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Tuesday Sept. 3, 1918

Nova Aquilae No III.

Scale M. copied MC 14979 – Exposures numbered prec. to fall.

copy checked #1

Length Expo.	Expo no.	Nova mag.	Nova cu.	Diff'm g Sc 1	Diff'm g Sc 2	Diff'm g mean	Diff'm h Sc 1	Diff'm h Sc 2	Diff'm h mean
Subt 3.74 for diff-lm.									
1.64 ? m 20s	5.38		-1.27	6.5	±1		6.6	±1	
		1		6.3	6.60	6.7 6.65	6.4	6.70	6.8
			-1.12	6.0	±1		6.1	±2	
1.34 2	5.08	3		5.8	6.15	6.3 6.20	5.9	6.25	6.4
			-0.51	4.9	10		4.5		
1 47 5	5.21	4	0.49	4.7	4.85	4.8 4.72	4.3	±1 4.60	4.7
				5.0	1 1		4.9		
1.50 5	5.24	6 7	0.29	4.8	4.90	4.8 4.95	4.7	±1 5.00	5.1
			-1.07	6.1	±1		6.4	01	
1.51 2	5.25	8		5.9	6.20	6.3 6.32	6.2	6.40	6.5
			-1.19	6.6	01		6.5	00	
1.59 2	5.33	10		6.4	6.55	6.5 6.62	6.3	6.50	6.5

Length Expo.	Expo no.	Comp. Stars Primary l Sc 1	l mean	l Sc 2	l Diff	Primary f Sc 1	f mean	f Sc 2	f Diff
					Diff.				
?		6.0	±1			6.9	10		
	1	5.8	6.15	6.3	-1.13	6.7	6.85	6.8	-1.34
		6.0	±1			6.9	±1		
2	3	5.8	6.10	6.2	-1.08	6.7	7.00	7.1	-1.49
		4.4	11			5.4	01		
5	4	4.2	4.30	4.2	0.72	5.2	5.45	5.5	0.06
		4.5	00			5.5	±1		
5	7	4.3	4.50	4.5	0.52	5.3	5.60	5.7	-0.09
		5.9	±1			6.9	10		
2	8	5.7	6.00	6.1	-0.98	6.7	6.85	6.8	-1.34
		5.9	10			7.0	01		
2	10	5.7	5.85	5.8	-0.83	6.8	6.95	6.9	-1.44

Nova

Middle Lm. between Expos.		Diff'm g Sc 1	Diff'm g Sc 2	Diff'm h Sc 1	Diff'm h Sc 2	Cu	mag.	Subt 3.74 for diff
		mean of g + h						
10 – 2	2 – 3	9.00	±2	8.8		-3.80	5.20	1.46 9.2
2 – 5	3 – 4	9.25	01	9.2		-3.54	5.41	1.67 9.3
5 – 10	4 – 5	9.00	±1	8.9		-3.67	5.33	1.59 9.1
10 – 10	5 – 6	8.80	00	8.8		-3.70	5.10	1.36 8.8
10 – 5	6 – 7	8.85	10	8.9		-3.67	5.18	1.44 8.8
5 – 2	7 – 8	9.10	00	9.1		-3.72	5.38	1.64 9.1
2 – 9	8 – 9	8.85	01	8.8		-3.57	5.28	1.54 8.9
9 – 2	9 – 10	9.25	01	9.2		-3.58	5.67	1.93 9.3
2 – 5	10 – 11	8.80	00	8.8		-3.68 e	5.12 e	1.38 e 8.8
5 – 10	11 – 12	9.20	±1	9.1		-3.82 e	5.38 e	1.64 e 9.3

Diff. Lms. between Aquilae Primary

		g Sc 1	g Sc 2	h Sc 1	h Sc 2
2	2			4.7	5.2 4.8 5.3
5	3	not used		3.6	3.7
5	6			3.7	3.8
2	7			5.7	5.8 5.3 5.6
2	9			5.6	5.7 5.7 5.7
5	10			3.5	3.8
2	12			5.7	5.8 5.6 5.7

Diff. Lms. between Aquilae Primary

		Sc 1	Sc 2
2	2		7.5
5	3	5.8	6.2
5	6	5.7 not used	6.8
2	7	7.4	7.4
2	9	7.4	7.4
5	10	5.8	6.2
2	12	X	7.6

Continued next page.

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Tuesday Sept. 3, 1918

Nova Aquilae No. III

Scale M

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MC 14979 continued.

Exp. length	Exp. no.	Comparison star e		Comparison star f	
Middle Dm. between Exp.		Diff.	Primary	Diff.	
10-2	2-3	-3.48	8.5	-3.79	9.3
2-5	3-4	-3.58	8.6	-3.89	9.4
5-10	4-5	-3.48	8.5	-3.69	9.2
10-10	5-6	-3.58	8.6	-3.69	9.2
10-5	6-7	-3.68	8.7	-3.59	9.1
5-2	7-8	-3.68	8.7	-3.69	9.2
2-9	8-9	-3.58	8.6	-3.39	8.9
9-2	9-10	-3.58	8.6	-3.59	9.1
2-5	10-11	-3.48	8.5	off edge	
5-10	11-12	-3.68	8.7	off edge.	

Middle Dm. between Exp.		Aquilae e Diff.	Primary	Aquilae f	Diff.
10-2	1-2	-3.93	7.8	4.4 4.2 4.40	4.4 -3.37
2-5	2-3	-4.03	7.9	4.4 4.2 4.35	4.3 -3.32
5-10	3-4	-3.93	7.8	4.1 3.9 4.15	4.2 -3.12
10-10	4-5	-3.83	7.7	4.5 4.3 4.50	4.5 -3.47
10-5	5-6	-3.83	7.7	4.4 4.2 4.55	4.7 -3.52
5-2	6-7	-3.93	7.8	4.4 4.2 4.50	4.6 -3.47
2-9	7-8	-3.83	7.7	4.6 4.4 4.60	4.6 -3.57
9-2	8-9	-3.83	7.7	4.5 4.3 4.50	4.5 -3.47
2-5	9-10	-3.93	7.8	4.6 4.4 4.65	4.7 -3.62
5-10	10-11	-3.93	7.8	4.5 4.3 4.55	4.6 -3.52

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Wednesday Sept. 4 1918

Nova Aquilae No III

Scale M MC 14981 June 16, 1918 exposures numbered prec. & foll.

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Eff length	Eff no.	Nova Diff Images g			Nova Diff Images h			Diff Im "g" Cu	Diff Im "g" Mag	Diff Im "g" subt. 3.74 for diff Im	Diff Im "h" mean mag fr "g"+"h"	Diff Im "h" Cu	Diff Im "h" Mag	Diff Im "h" subt. 3.74 for diff
		Sc 1	mean	Sc 2	Sc 1	mean	Sc 2							
10	1	4.8 (5.0)	5.05 (05/05)	5.1	4.7 (4.9)	5.05 (15/15)	5.2	0.27	5.32	1.58	1.58 (00/00)	0.27	5.32	1.58
10	2	4.2 (4.4)	4.55 (15/15)	4.7	4.1 (4.3)	4.35 (05/05)	4.4	0.72	5.27	1.53	1.44 (09/09)	0.74	5.09	1.35
5	3	—	7.70 a	7.7	—	7.80 a	7.8	-1.94	5.76	2.02	2.05 (03/03)	-1.98	5.82	2.08
2	4	—	8.60 a	8.6	—	8.60 a	8.6	-2.26	5.34	1.60	1.60 (00/00)	-2.26	5.34	1.60
9	5	4.3 (4.5)	4.65 (15/15)	4.8	4.6 (4.8)	4.80 (00/00)	4.8	0.64	5.29	1.55	1.58 (03/04)	0.56	5.36	1.62
2	6	6.4 (6.6)	6.70 (10/10)	6.8	6.5 (6.7)	6.90 (20/20)	7.1	-1.20	5.50	1.76	1.82 (06/07)	-1.27	5.63	1.89
5	7	5.3 (5.5)	5.55 (05/05)	5.6	5.3 (5.5)	5.60 (10/10)	5.7	-0.17	5.38	1.64	1.66 (02/02)	-0.18	5.42	1.68
?	8	6.3 (6.5)	6.65 (15/15)	6.8	6.5 (6.7)	6.75 (05/05)	6.8	-1.25	5.40	1.66	1.70 (04/03)	-1.28	5.47	1.73

Comp. Star e Primary

Eff length	Eff no.	Sc 1	mean	Sc 2	Diff.
10	1	4.4 (4.6)	4.65 (05/05)	4.7	0.37
10	2	4.2 (4.4)	4.35 (05/05)	4.3	0.67
5	3	5.2 (5.4)	5.50 (10/10)	5.6	-0.48
2	4	6.8 (7.0)	7.05 (05/05)	7.1	-2.03
9	5	4.3 (4.5)	4.50 (00/00)	4.5	0.52
2	6	5.8 (6.0)	5.95 (05/05)	5.9	-0.93
5	7	4.6 (4.8)	4.80 (00/00)	4.8	0.22
?	8	5.8 (6.0)	5.85 (15/15)	5.7	-0.83

Comp Star f Primary

Eff length	Eff no.	Sc 1	mean	Sc 2	Diff
10	1	5.3 (5.5)	5.35 (15/15)	5.2	0.16 0.61
10	2	4.8 (5.0)	4.90 (10/10)	4.8	0.61
5	3	6.8 (7.0)	7.25 (25/25)	7.5	-1.74
2	4	—	8.80 a	8.8	-2.29
9	5	6.3 (6.5)	6.45 (05/05)	6.4	-0.94
2	6	6.9 (7.1)	7.10 (00/00)	7.1	-1.59
5	7	5.8 (6.0)	6.10 (10/10)	6.2	-0.59
?	8	—	7.60 a	7.6	-2.09

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Wednesday Sept. 4, 1918

Nova Aquilae No III

Scale M MC 14981 – continued.

Comp star l.

Primary.

Exp length	Diff No.	Sc 1	Mean	Sc 2	Diff.
10	1	6.9	7.1 7.15 05/05	7.2	−0.35
10	2	6.4	6.6 6.50 10/10	6.4	0.30
5	3	–		9.40 à 9.4	−2.60
2	4	–		–	.
9	5	6.6	6.8 6.80 00/00	6.8	0.00
2	6	–		8.60 à 8.6	−1.80
5	7	6.8	7.0 7.05 05/05	7.1	−0.25
2	8	–		8.20 à 8.2	−1.40

Comp star K

Primary.

Exp length	Diff No.	Sc 1	Mean	Sc 2	Diff.
10	1	5.9	6.1 6.10 00/00	6.1	0.24
10	2	5.3	5.5 5.45 05/05	5.4	0.89
5	3	–		8.70 à 8.7	−2.36
2	4	–		–	.
9	5	5.8	6.0 5.90 10/10	5.8	0.44
2	6	–		7.60 à 7.6	−1.26
5	7	6.3	6.5 6.60 10/10	6.7	−0.26
2	8	–		7.70 à 7.7	−1.36

ζ Aquilae

Diff. Images. not used

g

Exp length	Diff No.	Sc 1	Sc 2
10	1	4.4	4.8
2	2	–	9.2
5	3	6.2	6.4
10	4	6.3	6.7
10	5	6.4	~~6.7~~ 6.8
5	6	–	7.8
2	7	–	8.8
9	8	–	7.6

h.

Exp length	Diff No.	Sc 1	Sc 2
10	1	4.7	5.2
2	2	–	9.3
5	3	6.6	7.4
10	4	6.4	6.7
10	5	6.4	6.8
5	6	–	7.8
2	7	–	8.8
9	8	–	7.7

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Wednesday Sept. 11, 1918.

Nova Aquilae No. III

9:30

MC 14980 – Exposures numbered from prel. & fol.

Note:- No comp. star fainter than e seen. Therefore only comparisons that can be made are primary of Nova with primary of α and β Aquilae

Scale M.

Exp.	Length Exp.	No.	Nova Primary			α Aquilae Primary			Diff.	β Aquilae Primary	
N	mag.	cu.	Sc 1	mean	Sc 2	Sc 1	mean	Sc 2		Sc 2	Diff.
8	1.38	-3.971	5.4 5.2	0 1 5.35	5.3	5.0 4.8	0 1 4.95	4.9	-3.92	8.3	-4.43
10	1.34	-3.662	5.1 4.9	1 1 5.00	4.9	4.8 4.6	2 1 4.65	4.5	-3.62	7.8	-3.93
8	1.25	-3.953	5.3 5.1	1 1 5.20	5.1	5.0 4.8	0 1 4.95	4.9	-3.92	8.2	-4.33
10	1.49	-3.514	5.1 4.9	1 1 5.00	4.9	4.5 4.3	1 0 4.45	4.4	-3.42	7.9	-4.03
8	1.23	-3.875	5.3 5.1	1 1 5.20	5.1	5.0 4.8	2 1 4.85	4.7	-3.82	8.2	-4.33
10	1.39	-3.716	5.0 4.8	1 1 5.10	5.2	4.7 4.5	0 0 4.70	4.7	-3.67	7.8	-3.93
8	1.16	-3.947	5.1 4.9	0 0 5.10	5.1	5.0 4.8	0 1 4.95	4.9	-3.92	8.1	-4.23
10	1.65	-3.558	5.3 5.1	1 1 5.20	5.1	4.5 4.3	1 0 4.45	4.4	-3.42	7.9	-4.03
8	1.67	-3.589	5.3 5.1	1 0 5.25	5.2	5.1 4.9	0 0 5.10	5.1	-4.07	8.2	-4.33
10	1.43	-3.710	5.1 4.9	1 0 5.15	5.2	4.9 4.7	1 0 4.85	4.8	-3.82	7.7	-3.83
8	1.28	-3.941	5.3 5.1	1 0 5.25	5.2	4.9 4.7	1 1 5.00	5.1	-3.97	7.9	-4.03
10	1.65	-3.401	5.1 4.9	1 0 5.05	5.0	4.4 4.2	0 0 4.40	4.4	-3.37	7.8	-3.93

10:30

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Wednesday Sept. 11, 1918

Nova Aquilae No. III

11:00

MC 14990 1 Exposures numbered from prec. & follow
Note on P. 132 for MC 14980 applies to
Scale M. MC 14990 also.

Nova

Eff. Length	Eff. No.	Primary: Sc 1	mean	Sc 2	Cu	Mag
8	1	5.8 (6.0)	6.05	6.1	-4.03	2.02
10	2	5.6 (5.8)	5.80	5.8	-3.83	1.97
8	3	5.8 (6.0)	5.95	5.9	-3.98	1.97
10	4	5.7 (5.9)	5.85	5.8	-3.94	1.91
8	5	5.7 (5.9)	6.05	6.2	-3.95	2.10
10	6	5.6 (5.8)	5.85	5.9	-3.81	2.04
8	7	5.9 (6.1)	6.10	6.1	-4.05	2.05
10	8	5.8 (6.0)	5.90	5.8	-4.00	1.90
8	9	5.9 (6.1)	6.15	6.2	-4.07	2.08
10	10	5.7 (5.9)	5.90	5.9	-3.94	1.96
8	11	5.7 (5.9)	6.00	6.1	-4.20	1.80
10	12	5.6 (5.8)	5.75	5.7	-3.90	1.85

		α Aquilae Primary Sc 1	mean	Sc 2	Diff.	δ aquilae Primary Sc 1	Sc 2	Diff.
8	1	4.6 (4.8)	4.80	4.8	-3.77		8.4	-4.53
10	2	4.6 (4.7)	4.65	4.6	-3.62		8.1	-4.23
8	3	4.7 (4.9)	4.85	4.8	-3.82		8.2	-4.33
10	4	4.6 (4.8)	4.85	4.9	-3.82		8.1	-4.23
8	5	4.3 (4.5)	4.60	4.7	-3.57		8.4	-4.53
10	6	4.4 (4.6)	4.60	4.6	-3.57		8.1	-4.23
8	7	4.6 (4.8)	4.85	4.9	-3.82		8.3	-4.43
10	8	4.7 (4.9)	4.90	4.9	-3.87		8.2	-4.33
8	9	4.8 (5.0)	4.90	4.8	-3.87		8.3	-4.43
10	10	4.5 (4.7)	4.75	4.8	-3.72		8.2	-4.33
8	11	4.8 (5.0)	5.10	5.2	-4.07		8.4	-4.53
10	12	4.6 (4.8)	4.80	4.8	-3.77		8.1	-4.23

11:30

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Thursday Sept. 12, 1918.

10:25
9:40

Nova Aquilae No. III. - Argelander Est.
Comp. of diff. im. of nova with primary of

	Plate.	Est.	Remarks.	Comp. stars.			
				Subt. 3.74 to correct for using diff. image.			
These estimates using northern diff image i.e. "q"	MC 15086	0 0 v v 3 p.	Longest ext.	7.90 8.04 7.97	01	01	4.23 √
	MC 15082	0 1 v v 4 p	Longest ext.	8.00 7.94 7.97	03	03	4.23 √
	MC 15100	0 4 v v 0 p v 2 q	Longest ext.	8.30 8.34 8.49 8.38	08	04	11 4.64 √
	MC 15095	0 2 v v 1 p	Longest ext.	8.10 8.24 8.17	01	01	4.43 √
	MC 15110	0 1 v v 2 p	Longest ext.	8.00 8.14 8.07	01	01	4.33 √
	MC 15124	m 4 v v 0 m v 2 0	Longest ext.	7.73 7.62 7.70 7.68	05	06	02 III 3.94 √
10:45	MC 15138		Out in dec.				√
	~~MC 15192~~						
2:05	MC 15202	0 1 v v 3 p	Longest ext	8.00 8.04 8.02	02	02	4.28 √
	MC 15193	0 5 v v 0 p v 4 q	Longest ext.	8.40 8.34 8.29 8.34	06	00	05 4.60 √
	MC 15167	0 2 v v 2 p	Longest ext.	8.10 8.14 8.12	02	02	4.38 √
	MC 15182	m 4 v v 0 0 v 4 p.	Longer ext.	8.02 7.80 7.94 7.95	07	05	01 4.21 √
2:20							

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Thursday Sept. 12, 1918

Nova Aquilae No. III — Argelander 1st

Diff. Image "g" of nova with primary comp's stars.

	Plate	Ext	Remarks.	
2;20				Subt. 3.74
Sup. 195	MC 15168	0 1 v v 1 p	Longest Exp.	L 20 for diff. image.
Sup. 194	MC 15181	p 4 v v 5 g	Longer Exp.	L 20
	MC 15186	0 4 v v 1 p	Longer Exp's.	8.30 8.24 8.27 03 03
2;25				4.53

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Friday. Sept. 13, 1918. — Cloudy. copy sh W

Nova Aquilae No. III Argelander Estimates.

Diff. Image "g" of nova compared with primary of comp. stars

Subt. 3.74 to correct for using diff image

	Plate	Est.	Remarks			
10:40	MC 15086	0 3 v	Mid. eye.	8.20		
		v 1 p		8.24 / 8.22	02 02	4.48 ✓
	MC 15186	0 4 v	Shorter eye.	8.30		
		v 0 p		8.34		
		v 4 g		8.29 / 8.31	01 03 02	4.57 ✓
	MC 15182	n 3 v	Shorter eye.	7.92		
		v 0 0		7.90		
		v 4 p		7.94 / 7.92	00 02 02	4.18 ✓
	MC 15167	0 1 v	Mid. ~~Second~~ eye.	8.00		
		v 3 p.		8.04 / 8.02	02 02	4.28 ✓
	MC 15193	0 4 v	Shorter eye.	8.30		
		v 0 p		8.34		
		v 4 g.		8.29 / 8.31	01 03 02	4.57 ✓
	MC 15202	0 3 v	Shorter eye.	8.20		
		v 1 p.		8.24 / 8.22	02 02	4.48 ✓
	MC 15124	n 2 v	Mid eye.	7.82		
		v 0 0		7.90		
		v 3 p.		8.04 / 7.92	10 02 12	4.18 ✓
	MC 15110	0 2 v	Mid. eye	8.10		
		v 3 p		8.04 / 8.07	03 03	4.33 ✓
	MC 15100	0 2 3 v	Mid eye.	8.10		
		v 2 4 p		8.14 / 8.12	02 02	4.38 ✓
	MC 15082	0 1 v	Mid eye	8.00		
		v 3 p.	Shortest has no diff. im. and shortest of comp stars in N.P.	8.04 / 8.02	02 02	4.28 ✓

11:10

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Friday Sept. 13, 1918

Nova Aquilae No. III Argelander estimates

Diff image "g" of nova compared with primary

of comp. stars.

	Plate.	Est.	Remarks					Subt. 3.7H & Correct for using diff. image.
11:10	MC 15095	n 3 v	mid. eyp.	7.92				
		v 0 0		7.90				
		v v p		8.14				
				7.99	07	09	15	4.25
	MC 15124	n 3 v	Shortest eyp.	7.92				
		v 1 0		7.80				
				7.86	06	06		4.12
	~~MC 15193~~							
	MC 15167	0 1 v	Shortest eyp.	7.80				
		v 3 p		8.04				
				7.92	12	12		4.18
	MC 15095	0 1 v	Shortest eyp.	7.80				
		v 4 p		7.94				
				7.87	07	07		4.13
	MC 15100	0 1 v	Shortest eyp.	7.80				
		v 3 p		8.04				
				7.92	12	12		4.18
	MC 15110	n 3 v	Shortest eyp.	7.92				
		v 0 0		7.90				
		v 3 p		8.04				
				7.95	03	05	09	4.21
	MC 15086	0 2 v	Shortest eyp.	8.10				
		v x[2] p		8.14				
				8.12	02	02		4.38

Diff Image "h" compared with primary of comp. stars.

	MC 15193	p 4 v	Longer eyp.	8.74				
		v v q		8.49				
				8.62	12	13		4.88

Too cloudy to continue

11:30

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Friday Sept. 13, 1918. — Cloudy.

Nova Aquilae No. III — Angelander Set, adopted

Diff. Image "h" of nova compared with primary of comp. stars.

12:45	Plate	Ext.	Remarks.	Subt. 3.74 to correct for using diff. image.			
	MC 15086	0 2 v	Longest Exp.	8.10			
		v 3 p		8.04			
				8.07	03	03	4.33 ✓
	MC 15087	0 2 v	Longest exp.	8.10			
		v 3 p		8.04			
				8.07	03	03	4.33 ✓
	MC 15202	0 2 v	Longer exp.	8.10			
		v 3 p		8.04			
				8.07	03	03	4.33 ✓
	MC 15182	0 1 v	Longer exp.	8.00			
		v 3 p		8.04			
				8.02	02	02	4.28 ✓
	MC 15186	0 3 v	Longer exp.	8.20			
		v 0 p		8.34			
				8.29			4.54 ✓
		v 4 q		8.28	08	06 01	
	MC 15110	0 2 v	Longest exp.	8.10			
		v 1 p		8.24			
				8.17	07	07	4.43 ✓
	MC 15100	0 2 v	Longest exp.	8.10			
		v 1 p.		8.24			
				8.17	07	07	443 ✓
	MC 15095	0 2 v	Longest exp.	8.10			
		v 3 p		8.04			
				8.07	03	03	4.33 ✓
	MC 15167	0 2 v	Longest exp.	8.10			
		v 1 p		8.24			
				8.17	07	07	4.43 ✓
	MC 15124	0 1 v	Longest exp.	7.72			
		v 2 0		7.78			
				7.71	01	01	3.97 ✓
	MC 15086	0 2 v	Mid exp.	8.10			
		v 2 p		8.14			
				8.12	02	02	4.38 ✓
	MC 15186	p 1 v	Shorter exp.	8.44			
		v 3 q		8.39			
				8.42	02	03	4.68 ✓
	MC 15183	0 1 v	Shorter exp.	8.00			
		v 3 p		8.04			
				8.02	02	02	4.28 ✓

1:05

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Friday Sept. 13, 1918

Nova Aquilae Iss. III. Angelander rt. ; dr

Diff em. "h" of nova compared with

primary of comp stars.

1:05

Plate	Ent.	Remarks		
			Subt. 3.74 to correct for using diff. ems	
MC 15202	04 v	Shorter eyp	8.30	
	v 1 p		8.24	
			8.27 03 03	4.53
MC 15082	01 v	Mid eyp. Shorter has no diff. em. and shortest of comp stars n.s.	8.00	
	v 3 p.		8.04	
			8.02 02 02	4.28
MC 15193	04 v	Shorter eyp.	8.30	
	v 0 p		8.34	
	v 3 g		8.39	
			8.34 04 00 05	4.60
MC 15124	n 2 v	Mid eyp.	7.82	
	v 0 0		7.90	
	v 3 p		8.04	
			7.92 10 02 12	4.18
MC 15167	01 v	Mid eyp.	8.00	
	v 3 p		8.04	
			8.02 02 02	4.28
MC 15095	02 v	Mid. eyp.	8.10	
	v 2 p		8.14	
			8.12 02 02	4.38
MC 15100	02 v	Mid eyp.	8.10	
	v 1 p		8.24	
			8.17 07 07	4.43
MC 15110	n 2 v	Mid. eyp.	7.82	
	v 1 0		7.80	
			781 01 01	4.07
MC 15086	02 v	Shorter eyp.	8.10	
	v 1 p		8.24	
			8.17 07 07	4.43
MC 15167	02 v	Shortest eyp.	8.10	
	v 3 p		8.04	
			8.07 03 03	4.33
MC 15124	01 v	Shortest eyp.	8.00	
	v 3 p		8.04	
			8.02 02 02	4.28
MC 15110	n 2 v	Shortest eyp.	7.82	
	v 0 0		7.90	
			8.04	
1:30	v 3 p		7.92 10 02 12	4.18

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Friday Sept. 13, 1918

Nova Aquilae no III Argelander 1st,

Diff. Sun. "h" of nova compared with star

Remarks of Comp. star

1:30

Plate	Est.	Remarks			
MC 15100	0 2 v	Shortest lip,	8.10		4.38
	v 2 p		8.14		~~4.38~~
			8.12	02 02	
MC 15095	0 3 v	Shortest dip.	8.20		
	v 2 p		8.14		
			8.17	03 02	4.43

Subt. 3.74 to correct for using diff. sin.

1:35

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Saturday Sept. 14, 1918

Nova Aquilae No III

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A I Plates. - Direct estimates of nova with primary comp stars. Primary

	Plate No	Est.	Remarks.	
10:30	AO 17353	4.3	Longest exp.	X
	AO 17362	4.5	Longest exp P.	X
	AO 17463	4.8	Longer exp.	X
	AO 17482	4.7	Longer exp.	X
	AO 17367	4.0	Longest exp.	X
	AO 17473	4.8	Longer exp	X
	AO 17439	4.7 i	Exp. 70 m. Fogged.	X
	AO 17379	4.6	Longest exp.	X
	AO 17474	4.9 i	Exp. 67 m.	X
	AO 17437	4.5	Exp 54 m.	X
	AO 17384	4.9 f.	Longer exp	X
	AO 17285	3.5	11 m exp	X
	AO 17412	3.6	62 m exp.	X
	AO 17388	4.6	Longest exp.	X
	AO 17252	3.5	Longest	X
	AO 17449	4.0	63 m	X
	AO 17404	3.6	Longest exp	X
	AO 17248	3.2	Longer. First. Both of equal length.	X
	AO 17457	4.0	56 m	X
	AO 17411	4.0	Longest	X
	AO 17311	3.8	Fogged 10 m	X
	AO 17462	4.7	70 m	X
	AO 17420	4.2	Longest	X
	AO 17318	3.7	Longest	X
11:00	AO 17456	4.1	Longer.	X

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Saturday Sept. 14, 1918

Nova Aquilae No III Q Plates

Direct ests

Copy checked

	Plate	Est.	Remarks. Exposure —	
11:20	Q 17458	4.7 i	74m	✓
	Q 17330		Nova n.r. – Expos too short.	✓
	Q 17428	4.5	Longest.	✓
	Q 17447	4.0	"	✓
	Q 17324		t.p. film defective	✓
	Q 17436	4.6	Longest.	✓
	Q 17353	4.4	Middle.	✓
	~~Q 17437~~			
	Q 17379	4.6	"	✓
	~~Q 17439~~			
	Q 17473	4.9	Shorter.	✓
	Q 17367	4.0	mid.	✓
	Q 17482	4.8	Shorter.	✓
	Q 17463	4.9	"	✓
	~~Q 17362~~			
	Q 17252	3.4	Mid.	✓
	Q 17388	4.8	"	✓
	Q 17384	4.8 f	Shorter.	✓
	Q 17447	4.0	Mid.	✓
	Q 17428	4.8	"	✓
	Q 17456	4.5	Shorter.	✓
	Q 17318	3.5	Mid.	✓
	Q 17420	4.1	mid.	✓
	~~Q 17462~~			
	~~Q 17311~~			
	Q 17411	4.1	mid.	✓
11:50	Q 17248	3.3	Both expos lg. lengths	

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1917phae.proj..703B

~~Saturday~~ Sept. 14, 1918

Nova Aquilae No. III

Al Plates – Direct estimate only checked W

11:50	Plate	Est.	Remarks	
	A017404	3.7	Said.	4
	A017436	4.7	"	4
	A017428	4.8 f	Shortest.	4
	A017447	4.0	"	4
	A017388	4.7	"	4
	A017252	3.4	"	4
	A017367	3.8 f	"	4
	A017379	4.6 f	"	4
	A017353	4.7 f	"	4
	A017404	4.3	"	4
	A017411	4.1	"	4
	A017420	4.5	"	4
	A017318	3.3 f	"	4
	A017436	4.6 f	"	4
12:00				

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Monday Sept. 16, 1918

Nova Aquilae No. III. – Plates in May covering region.

4.00

✓	MC 14926	n.r.	Dec. < W	May 18, 1918 ✓
✓	MC 14846	n.r.	Dec Extreme edge < R	May 14, 1918 ✓
✓	AC 20155		n.r. < +	May 20, 1918

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1917phae.proj...703B

Tuesday Sept. 17, 1918.

11:00

MC 14993

Nova Aquilae No. III.

copy ok W

Copied

~~Date in~~ ~~East.~~ ~~Remarks.~~

Scale M.

Nova
Diff Em

	g	h
Longest exp.	8.8	8.9
Mid exp.	9.6	9.7
Shortest.	—	—

α Aquilae
Diff Em

g		h	
6.7	7.1	6.6	7.1
—	8.1	—	7.9
—	8.9	—	8.8

Nova
Primary.

Expp.	Sec 1		Sec 2	Cu.	Mag.
Longest.	4.1	1 0	4.2	-2.52	1.53
Mid. exp.	5.0	11	4.8	-3.13	1.77
Shortest.	5.8	01	5.7	-3.87	1.88

Sec 1		Sec 2	Diff.
3.4	a.		
3.2	3.40	—	-2.37
3.9	a.		
3.7	3.90	—	-2.87
4.4	1 1		
4.5	4.50	4.6	-3.47

α Aquilae
Primary

Expp.	Sec 1		Sec 2	Diff.
Longest.	6.9	1 0		
	6.7	6.85	6.8	-2.98
Mid.	—	a. 7.70	7.7	-3.83
Shortest.	—	a. 8.60	8.6	-4.73

11:30

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1917phae.proj..703B

Tuesday Sept. 17, 1918

11:30

Nova Aquilae No III

copy of W

WC 14996 copied

Scale M.

Nova

Effp	Diff 2m g	Diff 2m h
Longest	9.5	9.7
middle.	9.8	—
Shortest.	—	—

α Aquilae.

Effp	Diff 2m g	Diff 2m h
	7.7	7.7
	8.6	8.7
	9.5	9.6

Nova

Effp	Primary. sc 1	sc 2	Cu.	Mag.	α Aquilae. Primary. sc 1	sc 2	Diff.
Longest.	4.9 4.7	10 4.85 4.8	−3.01	1.84	3.9 3.7	3.90 a.	−2.87
Middle.	5.8 5.6	01 5.75 5.7	−3.70	2.05	4.6 4.4	4.55 01	4.5 −3.52
Shortest.	6.9 6.7	10 6.85 6.8	−4.47	2.38	5.1 4.9	5.10 00	5.1 −4.07

Effp	Primary. sc 1	sc 2	Diff
Longest	7.0 6.8	±1 7.15	7.3 −3.28
Middle	—	a 7.90	7.9 −4.03
Shortest	—	a 8.80	8.8 −4.93

11:55

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Tuesday Sept. 17, 1918

12:30

Nova Aquilae No. III

MC 14997

copied

copy ch 14

Nova Primary

Eyep.	Sc 1.	Sc 2.	Cu	Mag.
Longest	7.0 1/ 7.10	7.2	-4.39	2.71
Middle	— 7.80 a	7.8	-5.13	2.67
Shortest.	— 8.70 a	8.7		

α Aquilae Primary

Sc 1.	Sc 2.	Diff.
5.0		
4.8	4.95 0/ 4.9	-3.92
5.8		
5.6	5.75 0/ 5.7	-4.72
7.0		
6.8	6.95 0/ 6.9	∂ Aq. n.r.

α Aquilae Diff. Sum

Eyep	g	h.
Longest.	9.8	8.9
Mid.	9.8	9.9
Shortest.	—	

∂ Aquilae Primary

Eyep.	Sc 1	Sc 2	Diff
Longest	— 8.60 a	8.6	-4.73
mid.	— 9.30 a	9.3	-5.43
Shortest.	— .	—	n.r.

12:40

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Tuesday Sept. 17, 1918

Nova Aquilae No III.

2:00

MC 15040 — copied — note on cover, — "λ Aquilae not identified. Nova too bright for comparison with sequence stars on plate."

MC 15006 — copied

Subt. 3.74 — 2.61 — mag 4.58 — Longest exp. cu e −2.00

Scale M. Diff. Image of Nova

	Diff.	Sc 1	mean	Sc 2				
			8.35 ±0	g	8.3 g	h	8.4 g	8.35 ±0
comp stars: e	−0.98	5.9 5.7 7.0	6.00 ±1		6.1			
f	−1.79	6.8	6.90 ±1		6.8			
g	−1.98	—	7.70 :a		7.7			
k	−1.56	—	7.90 :a		7.9			
	−4.58	—	7.60 :a		7.6			

Do not use (S Aquilae. Longest exp.)

2:10

MC 15009 — copied — Longest exp.

Subt. 3.74 — 2.84 — mag 6.58

Scale M. Diff. of Nova

	Diff.	Sc 1	mean	Sc 2				
cu e	−1.77	—	8.35 ±1	g	8.4 g	h	8.3 g	
		6.0						
e	−1.03	5.8 7.1	6.05 ±1		6.1			
f	−1.49	6.9	7.00 ±1		6.9			
g	−1.78	7.5	7.50 :a		7.5			
k	−1.46	—	7.80 :a		7.8			
		—	7.60 :a		7.6			

Do not use. (S Aquilae.

2:25

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Thursday Sept. 19, 1918

Nova Aquilae No. III.

10:05

Scale M. MC 15013 copied

Diff. Inv. of Nova longest ep.

Do not use Aquilae primary & Aquilae " "

Comp stars

	Sc 1	Sc 2	mean.		Subt 3.74
	8.7	8.8	8.75	−1.74	7.01 3.27
		7.5	7.50 · a	−4.48	
e	6.1 5.9	5.9	6.00	−0.98	Diff.
f	6.9 6.7	6.9	6.90	−1.39	
g	—	7.6	7.60 · a	−1.88	
k	—	7.8	7.80 · a	−1.46	
l	—	8.6	8.60 · a	−1.80	
n	—	9.3	9.30 · a	−1.68	

10:15

11:00

Scale M. MC 14982 copied

Exp No.

Nova

Diff Inv

	Sc 1	Sc 2	Sc 1	Sc 2	mean.	Cu.	Mag.	Subt. 3.74
	6.6		6.8					
2	6.4	6.6	6.6	6.8	6.70	−1.60	5.10	1.36
	6.60	00	6.80	00				
Comp. star e.								
" 2-3	− 7.7	−7.8			7.75	−2.63	5.12	1.38

Comp. star e.

Primary

	Sc 1	Sc 2		Diff
	6.60			
2	6.4	6.5	6.55	−1.53
	7.10			
Comp. Stt. 2-3	6.9	7.2	7.15	−2.13

Comp. star f.

Primary

	Sc 1	Sc 2		
2	—	7.6	7.60 · a	−2.09
Comp. Stt. 2-3	—	9.6	9.60 · a	−4.09

11:10

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Thursday Sept. 19, 1918

11:25 Nova Aquilae No. III. copied

Scale M. MC 14970 Sept. 117 Exps. Nr. Prec. & following

Exp. No. Nova

Diff. Ins

	a		b		mean	Cu	mag.	Subt. 3.74 for diff. Ins
3	5.6	5.6	5.5	5.7	5.70	−0.37	5.33	1.59
5	6.3	6.4	6.4	6.5	6.48	−1.35	5.13	1.39

Nova

p. c

		dc 1	dc 2
not used	3	5.9	6.1
	5	6.6	6.8

Comp. stars

Primary Diff.

	dc 1	c	dc 2	
		mean		
3	4.9	5.10	5.1	−0.08
5	6.4	6.45	6.5	−1.43
		d		
3	5.9	5.85	5.8	−0.34
5	6.9	6.85	6.8	−1.34
		k		
3	—		7.7	−1.36
5	—		8.3	−1.96

11:40

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1917phae.proj..703B

Thursday Sept. 19, 1918

Nova Aquilae No III.

1:25

MC 14969 see p. 117 Reject - See note on plotting. copied

Scale M. Nova.

	Sc 1	Sc 2	
p.c.	2.5	—	not used
p.c. diff.	4.9 4.85 h.		mean
	4.7 4.8 Two blade	too near primary.	4.85

Comp stars.

	Primary. Sc 1	Sc 2	
e.	B.	—	not used.
f.	1.7	—	
l.	2.8	—	

	Sc 1	p. c	Sc 2	Diff.
e	5.8 (6.0)	5.95 (01)	5.9	−0.93
f	6.8 (6.7)	6.90 (00)	6.7	−1.19
l.	—	7.70 (.a)	7.7	−0.90

1:35

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1917phae.proj..703B

~~Thursday Sept. 19, 1918~~ Friday Sept. 20, 1918

Nova Aquilae No. III.

Exps numbered from prec. to foll. copy of

9:00 M. D. 14985 copied see p. 115 Plate on p. 115 is MC 14985 Exps numbered prec. to foll.

Measures of comparison stars c and b on these exposures with ~~corresponding~~ length measures on corresponding exposures of p.c. and diff. of Nova and α Aphuchi.

Scale M.

Exp length	No.	Nova p.c. sc 1	Nova p.c. sc 2	Nova mag from α Aphei (p.c.) (see note p. 187)	α Aphuchi Exp length	α Aphuchi Exp no.	α Aphuchi p.c. sc 1	α Aphuchi p.c. sc 2
					$8^{s}.2$	3	–	8.4
$10^{s}.2$	6	–	7.8	1.78	$10^{s}.2$	10	–	8.3
$8^{s}.2$	11	–	8.2	2.08	$8^{s}.2$	15	–	8.5
$8^{s}.2$	17	–	8.1	1.88				

mag α Aphei 2.28 — see note p. 187 mag Nova from α Aphuchi

		Nova Diff Dm mean q	Nova Diff Dm mean h	Nova Diff Dm mean c	Nova Diff Dm mean Cu. Mag.	α Aphuchi diff. Dm	α Aphuchi q	α Aphuchi h	α Aphuchi c
					Sept 3.74				
$10^{s}.2$	2.036	~~8.6~~ 8.4	8.45	8.5	-2.64 6.8 2.07	$10^{s}.2$ 3	8.7	8.70	8.7
$8^{s}.2$	2.28 11	~~8.9~~ 8.7	8.70	8.7	-2.79 5.9 2.17	$8^{s}.2$ 10	8.7	8.70	8.7
$8^{s}.2$	2.23 17	~~8.9~~ 8.6	8.70	8.8	-3.02 5.68 1.94	15	8.8	8.75	8.7

		c. sc 1	c. sc 2	Diff.
$10^{s}.2$	6	–	7.8	-2.78
$8^{s}.2$	11	–	7.9	-2.88
$8^{s}.2$	17	–	8.2	-3.18

		h. sc 1	h. sc 2	
$10^{s}.2$	6	–	8.9	-2.56
$8^{s}.2$	11	–	9.1	-2.76
$8^{s}.2$	17	–	~~9.2~~	-2.86

9:15

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1917phae.proj...703B

Friday Sept. 20, 1918

Nova Aquilae No III.

Eyes rested from prec. to fall.

9:50 MB 14990 Copied JW

Measures of comparison stars e and g Aquilae on three exposures with measures on corresponding length exposures of p.c. and diff. of Nova and ζ Aquilae.

Scale M

Exp. Length	Exp. No.	Nova p.c. sc 1	sc 2
8m	3	—	9.2
10m	6	—	8.9
12m	9	—	9.1

Exp. Length	Exp. No.	ζ Aquilae p.c. sc 1	sc 2
8	3	—	7.9
10	6	—	7.7
8	9	—	7.9

Nova

Diff. Dm.

subt. 3.74

mag.		g	h	"g-h" mean	Cu.
2.23	5.973	~~9.1~~ ~~9.2~~ 9.2 ~~9.3~~	9.3	9.25	−3.28 e
1.70	5.446	~~9.3~~ 9.1 ~~9.15~~	9.0	9.05	−3.61 e
1.94	5.689	~~9.3~~ 9.3 ~~9.40~~	9.3	9.30	−3.62 e

ζ Aquilae Diff Dm

		g	h.
8	3	8.7	8.5
10	6	8.5	8.3
8	9	8.7	8.6

ℓ

		sc 1	sc 2	Diff.
8	3	—	8.6	−3.58
10	6	—	8.7	−3.68
8	9	—	8.8	−3.78

ζ Aquilae

		sc 1	sc 2	
8	3	—	7.8	−3.93
10	6	—	7.7	~~−4.10~~ −3.83
8	9	—	7.9	−4.03

10:05

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1917phae.proj..703B

Friday Sept. 20, 1918

Nova Aquilae No. III.

10:45

copied

Scale M. MC 14971 — Note on cover, — "The Nova is the only star on the plate. Diffraction images are at least 1.5 mag. brighter than limit of visibility. This means that it must be at least 5.2 mags. brighter than c or at least as bright as 0.8 mags.

MC 15017 copied

Nova

Exp.	f.c.1	P.C.	f.c.2
10^s	6.7		6.9
20^s	5.8		6.1
10^m	2.6		B.

passed

not Nova.

	P.C. diff.	
	g	h
10^m	6.7	6.8 | 6.4 6.6

Nova

Diff. Im.

	g		h		mean g+h	Cu.	mag.
Subt. 3.74							
3.60 10^s	6.8 6.6	6.80	6.8 6.6	6.70	6.60	6.75	0.59 7.34
3.16 20^s	6.0 5.8	5.90	5.9 5.7	5.90	5.90	5.90	1.00 6.90

S Aquilae

	f.c.1	P.C.	f.c.2
10^s	6.2		6.1
20^s	5.7		5.8

not used.

S Aquilae

Exp.	Diff. Im. g.		h.	
10^s	6.1	6.4	5.8	5.9
20^s	5.5	5.6	5.6	5.6

not used

	h. Primary		Diff.
10^s	5.9 5.7	5.85	5.8 0.49
20^s	4.9 4.7	5.00	5.1 1.34
10^m	1.5 1.3	1.50	B. —

	l Primary.			
10^s	6.3 6.1	6.25	6.2	0.55
20^s	5.8 5.6	5.80	5.8	1.00
10^m	1.8 1.6	1.80	B	—

	n Primary			
10^s	7.0 6.8	7.05	7.1	0.57
20^s	6.8 6.6	6.75	6.7	0.87
10^m	2.9 2.7	2.90	B	—

~~C Primary.~~

~~10^s~~

~~20^s~~

~~10^m~~

11:20

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Friday Sept. 20, 1918

Nova Aquilae No. ~~III~~

12:15

Scale M. MC 15019 –

Longest exposure Nova 5.3 5.1 5.3 5.4 Cu.

e 6.7 6.9 6.9 6.9 Diff.

k. 8.3 −1.88 −1.96

Exp. 20^s S Aquilae 7.8

20^s Nova 8.9

copied

Reject – Extrapolated over a mag.

12:20

MC 15022

Exp. 10^m Nova 5.0 4.8 4.9 5.1 4.9

e 6.4 6.2 6.4 6.4 6.4 Diff.

k 7.8 −1.38 −1.46

20^s S Aquilae 7.3

20^s Nova 8.7

copied

Reject – Extrapolated over a mag.

12:35

MC 15031

10^m Nova 4.0 3.8 4.05 4.1 ~~3.8~~

e 6.0 5.8 5.95 5.9 Diff.

k 7.8 −0.93 −1.46

copied

Reject – Extrapolated over a mag.

12:40

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1917phae.proj..703B

Friday Sept. 20, 1918

Nova Aquilae No. III

copied.

✓MC 14999 - Nothing on plate but exposures of Nova Aql & X Aquilae. ∴ cannot identify, or measure.

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1917phae.proj...703B

Monday Sept. 23, 1918

Nova Aquilae No. III.

11:50

MC 15046. — copied.

Only exposures I can find on plate are 10^m and 40^s exps. of nova with comp. stars e + k showing for the 10^m exp. Star e shows 40^s exp. Can not see exps of λ Aquilae.

Scale M.

Expr.		Sc 1	Sc 2		
10^m	Nova	5.7 5.9	5.90	5.9	
	e	6.7 6.9	6.90	6.9	Diff. −1.88
	k.	—		8.2	−1.86
40^s	Nova	—		8.5	
	e	—		9.3	

Reject — Extrapolated over a mag.

11:55

MC 15045. copied

Scale M.

Expr.		Sc 1	Sc 2		
10^m	Nova	5.6 5.8	5.80	5.8	
10^m	e	6.7 6.9	6.90	6.9	Diff. −1.88
10^m	k	—		8.3	−1.96
40^s	Nova	—		8.7	
40^s	λ Aquilae	—		7.9	
40^s	e	—		9.6	

Reject — Extrapolated over a mag.

12:10

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1917phae.proj..703B

Monday Sept. 23, 1918

2 Bs below

12:30 Nova Aquilae No III.

Scale M MD. 15052 copied

Expr.		Sc 1	Sc 2	
2s	Nova	—	7.7	
2s	c	—	8.9	Diff. −3.88
2s	k	f	f	
6s	Nova	—	7.5	
6s	c	—	8.6	Diff. −3.58
6s	k	—	9.7	−3.36
18s	Nova	5.9	6.5	
18s	c	—	7.7	Diff. −2.68
18s	k	—	8.8	−2.46

Reject — Extrapolated over a mag.

12:40

12:50

Scale M. MD 15057 copied

Expr.		Sc 1	Sc 2	
2s	Nova	—	8.3	
2s	c	—	9.7	Diff.
2s	k	f	f	
6s	Nova	—	7.7	
6s	c	—	8.7	Diff. −3.68
6s	k	—	10.07	−3.66
18s	Nova	6.5	6.8	
18s	c	—	7.9	−2.88
18s	k	—	8.8	−2.96

Reject extrapolated over a mag.

On plates MD 15052 + MD 15057 only the nova, comp stars c, + k are measured. No second set of exps on α Aquilae was taken as c is brightest star for comparison.

12:55

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1917phae.proj...703B

~~Spectra~~

Friday Sept. 27, 1918

4:35 Nova Aquilae No III.

copy de

Plate No.	Expos.	Remarks.	
AC 20184		not to be measured.	✓
AC 20182	B!		✓
AC 20189	> 1.0	~~Longer exp. Cannot Rec. anything but "A"~~	✓
AC 20275	3.2?	difficult.	✓
AC 20185		not to be obser.	✓
AC 20279	3.3?		✓
AC 20267	3.3?		✓
AC 20299	4.1		✓
AC 20175		June 7 — final effort yet star. images not determin.	✓
AC 20286	3.2?		✓
AC 20291	4.3		✓
AC 20193	> 1.0		✓
AC 20194	> 1.0		✓
AC 20195	B.		✓
AC 20203	1.5?	B.	✓
AC 20204	1.3?	~~Cannot identify~~ practically nothing on plate Longer exp.	✓
AC 20201	1.4?	B.	✓
AC 20200	1.4?	Longer exp.	✓
AC 20211	2.4?		✓
AC 20210		B.	✓
AC 20186	> 1.0		✓
AC 20187	> 1.0		✓
AC 20190	> 1.0		✓
AC ~~20212~~ 20212	1.8?	Longer exp.	✓
AC 20293	4.0		✓
AC 20200	1.3?	shorter exp.	✓
5:00 AC 20189	> 1.0	shorter exp.	✓

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1917phae.proj..703B

Friday Sept. 27, 1918

Nova Aquilae No. III

Objective

5:00

Plate No	Exp.	Remarks	
AC20212	1.5?	shutter eff.	✓
AC20204	1.4?	" "	✓

5:05

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1917phae.proj...703B

Monday Sept. 30, 1918.

Nova Aquilae No. III.

2:30

Scale 0

Exps numbered prec. & foll.

Al 17250 copied

Nova

Exp no.	Sc 1	Sc 3	Mean	Cu.	mag.
3	5.7	5.5	5.60 1	-2.83	2.77
8	6.6	6.3	6.45 2	-3.40	3.05
12	6.8	6.5	6.65 2	-4.01	2.64

Star a

				Diff.
3	4.2	.	4.20 a.	-3.17
8	4.7	.	4.70 a.	-3.67
12	5.6	5.2	5.40 2	-4.37

Star C.

3	5.7	5.5	5.60 1	-2.58
8	6.6	6.3	6.45 2	-3.43
12	6.8	6.6	6.70 1	-3.68

Star a

3	6.7	6.3	6.50 2	-2.86
8	-	6.9	6.90 a	-3.26
12	-	7.8	7.80 a	-4.16

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1917phae.proj..703B

Monday Sept 30, 1918

Nova Aquilae No. III.

Scale D

QD 17238 Orfid de W

Nova	Eff	Sc 1	Sc 3	Mean	Cu.	mag.
	3	5.4	5.2	5.30 1 1	-3.23	2.07
	6	6.3	5.9	6.10 2 2	-4.30	1.80
	12	6.5	6.2	6.35 1 2	-4.38	1.97
Star a					Diff	
	3	4.5	—	4.50 a.	-3.47	
	6	5.6	—	5.60 a.	-4.57	
	12	5.8	5.6	5.70 1 1	-4.67	
Star C						
	3	5.9	5.6	5.75 1 2	-2.73	
	6	6.7	6.5	6.60 1 1	-3.58	
	12	6.9	6.8	6.85 1 0	-3.83	
Star a.						
	3	—	6.8	6.80 .a	-3.16	
	6	—	7.7	7.70 .a	-4.06	
	12	—	7.9	7.90 .a	-4.26	

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Monday Sept. 30, 1918

Nova Aquilae No. III

Scale 0

AN 17241 — Fogged. Copied. dh W

Nova Exp.	Sc 1	Sc 2	Sc 3	Mean.		Cu.	Mag.
4	6.8	6.9 7.2	6.9	6.87	07 03 03	-3.76	3.11
7	.	7.0 7.3	6.9	6.95	. 05 05	-4.16	2.79
13	.	7.3 7.6	7.4	7.35	. 05 05	-4.80	2.55

Star a						Diff.
4	5.4	—	5.3	5.35	05 . 05	-4.32
7	5.7	—	5.6	5.65	05 . 05	-4.62
13	6.2	6.2 6.5	6.1	6.17	03 03 07	-5.14

Star C						
4	6.6	6.6 6.9	6.4	6.53	07 07 13	-3.51
7	6.9	7.0 7.3	6.8	6.90	00 10 10	-3.88
13	—	7.5 7.8	7.6	7.55	05 05 05	-4.53

Star a

4 —

7 —

13 —

Star a

4	—	7.5 7.8	7.6	7.55	. 05 05	-3.91
7	—	7.9 8.2	7.8	7.85	. 05 05	-4.21
13	—	8.5 8.8	8.4	8.45	. 05 05	-4.81

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1917phae.proj..703B

Monday Sept. 30, 1918

Nova Aquilae No. III.

Scale 0.

R.A. 17239 copied

	Epp.	Sc 1	Sc 2	Sc 3	Mean.	Diff.	Mag.
~~Star a~~							
	2	4.6	–	–	4.60^{a}	−3.57	
	3	4.9	–	–	4.90^{a}	−3.87	
	4	4.3	–	–	4.30^{a}	−3.27	
~~Star b~~			6.0			Cu	
Nova	2	5.8	6.3	5.7	$5.83^{0\ 2\ 1}$	−3.27	2.56
	3	6.5	6.4 6.7	6.3	$6.40^{1\ 0\ 1}$	−3.60	2.80
	4	5.5	—	5.7	$5.60^{1\cdot\ 1}$	−3.08	2.52
Star C			6.5			Diff	
	2	6.6	6.8	6.2	$6.43^{2\ 1\ 2}$	−3.41	
	3	6.8	6.9 7.2	7.1	$6.93^{1\ 0\ 2}$	−3.91	
	4	6.4	6.3 6.6	6.1	$6.27^{1\ 0\ 2}$	−3.25	
Star a			6.4				
	2	6.5	6.7	6.3	$6.40^{1\ 0\ 1}$	−2.76	
	3	6.8	7.0 7.3	6.8	$6.87^{1\ 1\ 1}$	−3.13	
	4	6.5	6.5 6.8	6.3	$6.43^{1\ 1\ 1}$	−2.79	

4.00

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Tuesday ~~Sept~~ Oct. 1, 1918

12:00
Scale 0

Nova Aquilae No III.

AD 17251 Copied, J.A.H.

Nova Eye.	Sc 1	Sc 2	Sc 3	Mean.		Calc.	Mag.
1	6.7	7.1 (6.8)	6.7	6.73	0 1 0	−3.77	2.96
2	6.8	7.3 (7.0)	6.9	6.90	1 1 0	−4.05	2.85
3	6.5	6.7 (6.4)	6.2	6.37	1 0 2	−3.77	2.60
5	—	8.9 (8.6)	8.7	8.65	0 0 1	~~−5.32~~ −4.82	~~3.33~~ 3.83

Star a						Diff.
1	5.4	.	.	5.40	a . .	−4.37
2	5.7	.	.	5.70	a . .	−4.67
3	4.7	.	.	4.70	a . .	−3.67
5	6.8	7.3 (7.0)	6.8	6.87	1 1 1	−5.84

Star C						
1	6.8	7.2 (6.9)	6.7	6.80	0 1 1	−3.78
2	6.9	7.4 (7.1)	6.8	6.93	0 2 1	−3.91
3	6.4	6.6 (6.3)	6.1	6.27	1 0 2	−3.25
5	—	8.3 (8.0)	8.1	8.05	0 0 1	−5.03

Star a						
1	—	7.5 (7.2)	7.1	7.15	0 0 1	−3.51
2	—	7.8 (7.5)	7.6	7.55	1 0 0	−3.91
3	6.8	7.2 (6.9)	6.8	6.83	0 1 0	−3.19
5	—	—	9.3	9.30	0 0 a	−5.66

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Tuesday Oct. 1, 1918

Nova Aquilae No III

Scale 0

a 0 17240 Copied ch 31 – Fogged.

Nova	Eyp.	Sc 1	Sc 2	Sc 3	Mean.	Cu.
	11 ☓	–	8.5 8.2	8.3	8.25 .01	Reject. See plot.
	8 ☆	6.6	6.8 6.5	6.3	6.47 .102	−3.90 mag 2.57
	3 ☒	6.9	7.4 7.1	7.2	7.07 ±.01	−4.35 2.72
Star a						Diff.
	11 ☓	—	7.8 7.5	7.6	7.55 .10	−6.52
	8 ☆	5.4	—	—	5.40 a..	−4.37
	3 ☒	5.9	6.4 6.1	5.8	5.93 .021	−4.90
Star C						
	11 ☓	–	7.9 7.6	7.7	7.65 .01	−4.63
	8 ☆	6.6	6.8 6.5	6.3	6.47 .102	−3.45
	3 ☒	6.8	7.2 6.9	6.9	6.87 .100	−3.85
Star a						
	11 ☓	–	8.8 8.5	8.7	8.60 .11	−4.96
	8 ☆	–	7.8 7.5	7.6	7.55 .10	−3.91
	3 ☒	–	8.6 8.3	8.2	8.25 .10	−4.61

1:00

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Tuesday Oct. 1, 1918

2.00

Nova Aquilae No. III.

Scale D

copied

AC 20192

Nova Exp.	Sc 1	Sc 2	Sc 3	Mean		Cu.
1	2.8	—	—	2.80	a..	
3	4.6	—	—	4.60	a..	
6	6.3	6.4 6.7	6.4	6.37	1 00	Reject – Extrapolated too far.

Star a	3.1					Diff.
1	3.6	—	—	3.60	a..	−2.57
3	5.4	—	—	5.40	a..	−4.37
6	6.6	6.6 6.9	6.8	6.67	1 1 1	−5.64

Star C						
1	4.9	—	—	4.90	a..	−1.88
3	5.8	6.1 6.4	5.8	5.90	1 2 1	−2.88
6	—	8.1 8.1	7.9	8.00	1 1	−4.98

2.30

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1917phae.proj..703B

Friday Oct. 4, 1918

Nova Aquilae No. 3.

1:40

Plate	Est.	Remarks	
AD 17195	~~3.9~~ (among object estimated)		
~~AD 17201~~			
AD 17195	< 9.1	n.e.	✓
AD 17201	7.0		✓
AC 20175	7.1		✓

1:45

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1917phae.proj...703B

Friday Oct. 4, 1918
Nova Aquilae No. 3

copy ch. 4

M.C Plates – Diff. Image "g" compared with Primary of comp. stars.

2:15

Subt. 3.7 to correct for using diff. image.

	Plate.	Est.	Remarks	
4.1	MC 15073	7.8	Longest exp.	X
3.7	MC 15092	7.4	" "	X
4.4	MC 15226	8.1	Longer exp. shorter shows no diff im.	X
4.5	MC 15230	8.2	" " shorter exp. shows no diff im.	X
4.2	MC 15221	7.9	" " shorter has no diff im.	X
4.4	MC 15217	8.1	" "	X
4.3	MC 15215	8.0	" " shorter of comp. stars n. s.	X
4.3	MC 15221	8.0	diff. im. "h" longer exp.	X
4.4	MC 15230	8.1	" " "h" " "	X
4.3	MC 15226	8.0	" " "h" " "	X
4.5	MC 15215	8.2	" " "h" " "	X
			↖ shorter exp. shows no diff. images	
4.1	MC 15217	7.8	longer exp. diff im "h"	X
3.5	MC 15092	7.2	longest " " " "h"	X
4.0	MC 15073	7.7	" " " " "h"	X
3.7	MC 15092	7.4	mid exp. Diff. im "g"	X
4.3	MC 15073	8.0	" " " " "	X
4.4	MC 15217	8.1	shorter exp " " "g"	X
4.1	MC 15073	7.8	mid. exp. diff im "h"	X
3.6	MC 15092	7.3	" " " " "h"	X
4.4	MC 15217	8.1	shorter exp. diff im "h"	X

2:50

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1917phae.proj..703B

Friday Oct. 4 1918

Nova Aquilae No. III.

copy ch W

2;50 Diff images of nova compared with Primary of sequence

subt. 3.7 is correct for using diff. im.

	Plate	Est.	Remarks
4.3	MC 15073	8.0	shortest exp. diff. im. "g"
3.7	MC 15092	7.4	" " " " "f"

3.7	MC 15092	7.4	shortest exp. diff im. "h"
4.1	MC 15073	7.8	" " " "h"

2;55

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1917phae.proj...703B

Wednesday Oct. 23, 1918

Nova Aquilae No III.

2:45

copy ok W

Plate	Exp.	Remarks	
~~Asbscure~~			
aD17486	4.6	Longer.	X
aD17489	4.7	"	X
aD17492	4.1	"	X
aD17499	4.8	"	X
aD17506	4.8	"	X
aD17507	4.8		X
aD17512	4.8	Longer.	X
aD17514	4.9		X
aD17522	4.7	Longer.	X
aD17476	4.8		X
aD17515	4.8		X
~~aD17515~~			
aD17522	4.9	Shorter	X
~~aD17514~~			
aD17512	4.7	Shorter	X
aD17506	4.7	"	X
aD17499	4.6	"	X
aD17492	4.3	"	X
aD17489	4.7	"	X
aD17486	4.7	"	X
aD17528	4.8	Longer.	X
aD17559	4.9	"	X
aD17562	4.8	"	X
aD17574	4.9	[illegible]	X
aD17573	4.9		X
aD17572	4.7	Longer.	X
aD17576	5.1	"	X
3:15 aD17624	5.1	"	X

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Wednesday Oct. 23, 1918

Nova Aquilae No. 3

copy de Sit

3:15

Plate	Exp.	Remarks & Exposure	
aD 17628	5.1	Longer.	✗
aD 17536	4.7	"	✓
aD 17545	4.9	"	✓
aD 17552	5.3	" Fogged.	✓
aD 17643	5.3	"	✓
aD 17637	5.2	"	✓
aD 17624	5.2	Shorter.	✓
aD 17576	5.3	"	✓
aD 17572	4.8	"	✓
aD 17562	4.8	"	✓
aD 17559	5.1	"	✗
aD 17528	4.8	"	✓
aD 17637	5.1	"	✓
aD 17643	5.2	"	✓
aD 17552	4.9	" fogged.	✗
aD 17545	4.9	"	✓
aD 17536	4.7	"	✓
aD 17628	5.2	"	✓
aD 17613	5.2	Longer.	✓
aD 17603	5.0	"	✓
aD 17604	4.9		✓
aD 17605	5.1	"	✓
aD 17588	5.2	Longer.	✓
aD 17594	5.3		✓
aD 17592	5.1	Longer.	✓
aD 17613	5.2	Shorter.	✓
aD 17588	5.1	"	✓
aD 17603	5.1	"	✓
aD 17592	5.2	"	✓

3:35

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Thursday Oct. 24, 1918

10:20 Nova Aquilae No III. copy ch IV

Diff nin "g" compared with premiary comp stars.

Plate	Est.	Remarks. Exposures.	Subt. 3.7 to correct for using diff. mag.
MC 15274	8.2	Longer — shorter exp. of comp. stars n. &	4.5 ✓
MC 15334	8.8	Longer	5.1 ✓
MC 15287	8.4	"	4.7 ✓
MC 15350	8.8	"	5.1 ✓
MC 15300	8.5	" shorter exp. of comp. stars n. &	4.8 ✓
MC 15244	8.5 p.	Longer. shorter exp. of comp stars n. &	4.8 ✓
MC 15314	8.4	Longer.	4.7 ✓
MC 15270	8.2	"	4.5 ✓
MC 15325	8.4	" shorter exp of comp. stars n. &	4.7 ✓
MC 15350	8.8	Shorter.	5.1 ✓
MC 15287	8.4	"	4.7 ✓
MC 15334	8.7	"	5.0 ✓
MC 15270	8.5 f.	"	4.8 ✓
MC 15314	8.4	"	4.7 ✓

Using diff nin. "h".

MC 15325	8.6	Longer exp. shorter of comp. stars n. &	4.9 ✓
MC 15244	8.4	Longer. shorter of comp stars n. &	4.7 ✓
MC 15300	8.4	Longer. shorter of comp. stars n. &	4.7 ✓
10:55 MC 15274	8.2	Longer shorter of comp stars n. &	4.5 ✓

1917phae.proj.,.703B

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Thursday Oct. 24, 1918

Nova Aquilae No. 3. — Diff. line "b" only obs. W

10:55 compared with primary of comp star

Plate	Est.	Remarks	Subt. 3.7 90 correct for crossing diff. line.
MC 15314	8.4	Longer cfp.	4.7 ✓
MC 15270	8.4	"	4.7 ✓
MC 15334	8.6	"	4.9 ✓
MC 15287	8.5	"	4.8 ✓
MC 15350	8.8	"	5.1 ✓
MC 15270	8.6f	shorter.	4.9 ✓
MC 15314	8.6f	"	4.9 ✓
MC 15334	8.6	"	4.9 ✓
MC 15287	8.5	"	4.8 ✓
MC 15350	8.6	"	4.9 ✓

11:05

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Tuesday Dec. 3, 1918

Nova Aquilae No. 3.

only for W

Plate	Est.	Remarks	
AD 17669	5.2	Longer exp.	✓
AD 17744	5.5	" "	✓
AD 17652	5.4	Longer exp. Shorter N.D.	✓
AD 17680	5.3	" "	✓
AD 17689	5.3	" "	✓
AD 17700	5.4	" "	✓
AD 17701	5.5		✓
AD 17712	5.5	" "	✓
AD 17700	5.4	Shorter exp.	✓
AD 17689	5.3	" "	✓
AD 17680	5.4	" "	✓
AD 17744	5.6	" "	✓
AD 17669	5.4	" "	✓
AD 17712	5.4	" "	✓

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Thursday Jan. 9 1919.

Nova Aquilae No. 3 – Iso. Plates.

Exposures numbered from prec. Pl.

MC 14975 – June 13, 1918

9:42

copied.

Scale m.

See comp star sheets for Ptv. mags.
Ptv. mags. used for Iso plates to reduce

Obj. cl. IV

Nova

Reading of curve taken from straight lines joining points.

Effective Length	Exp. No.	Primary Sc 1	Primary Sc 2	Cu.	Mag.
2m	7	3.9 4.1		B.	−2.87 1.23
2	12	3.8 4.0		B.	−2.86 1.14
2	14	3.9 4.1		B.	−2.95 1.15

α Aquilae

Effective Length	Exp. No.	Primary Sc 1	Primary Sc 2	Diff.
2m	2	3.5 3.7		B. −2.81
2	7	3.5 3.7		B. −2.81
2	9	3.6 3.8		B. −2.91

χ Aquilae

Effective Length	Exp. No.	Primary Sc 1	Primary Sc 2	
2	2	5.8 6.0	5.95 5.9	−3.15
2	7	5.8 6.0	5.95 5.9	−3.15
2	9	5.8 6.0	6.00 6.0	−3.20

Comp Stars

Effective Length	Exp. No.	Primary Sc 1	Primary Sc 2	
2	7	.	8.9	−3.86
2	12	.	9.1	−4.06
2	14	.	9.1	−4.06

9:50

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Thursday Jan. 9, 1919

Nova Aq. no. 3. — Iso. plates.

9:50

Scale M MC 14975 continued — June 13, 1918 copied Ch H

Nova

Mid. image		Primary		mean	Cu.	Mag.
Right	Left	Sc 1	Sc 2			
2-5	7-8	6.8	6.9	6.95	−5.50	1.45
10-10	9-10	7.1	7.1	7.10	−5.70	1.40
9-2	13-14	7.1	7.2	7.15	−5.70	1.45

α Aq.

		Primary		mean	Diff.
		Sc 1	Sc 2		
2-5	2-3	5.9	6.2	6.15	−5.26
10-10	4-5	6.2	6.4	6.40	−5.51
9-2	8-9	6.3	6.3	6.40	−5.51

γ Aq

		Primary			
		Sc 1	Sc 2		
2-5	2-3	.	8.8		−6.00
10-10	4-5	.	8.9		−6.10
9-2	8-9	.	8.9		−6.10

continued next page.

10:05

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1917phae.proj..703B

Thursday Jan. 9, 1919

Nova Aq. No. 3 — 2nd Plate.

10:05

copied Dr W

Scale M. MC 14975 continued June 13, 1918

Nova.

Expo Length	Expo No.	Diff. "g" Sc 1	Diff. "g" Sc 2	Diff "h" Sc 1	Diff "h" Sc 2	mean	Cc.	Mag.
5m	8	6.9 7.15	7.2	·	7.3	7.22	−6.11	1.11
5	11	6.9 7.20	7.3	·	7.3	7.25	−5.93	1.32
5	15	6.9 7.20	7.3	·	7.2	7.20	−6.00	1.20

α Aquilae.

		Diff "g" Sc 1	Diff "g" Sc 2	Diff "h" Sc 1	Diff "h" Sc 2		Diff.
5	3	6.9 6.7 6.90	6.9	7.0 6.8 6.95	6.9	6.92	−6.03
5	6	6.4 6.7 6.60	6.6	6.5 6.3 6.55	6.6	6.58	−5.69
5	10	6.8 6.6 6.75	6.7	6.8 6.6 6.75	6.7	6.75	−5.86

γ Aquilae

		Diff "g" Sc 1	Diff "g" Sc 2	Diff "h" Sc 1	Diff "h" Sc 2		Diff.
5	3	·	9.7	·	9.6	9.65	−6.85
5	6	·	9.6	·	9.5	9.55	−6.75
5	10	·	9.6	·	9.4	9.50	−6.70

10:20

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1917phae.proj...703B

Thursday Jan. 9, 1919.

11:00

Nova Aquilae No. 3. - 2 sec. plates.

Expos. numbered from prec. to foll.

Scale M corrected J. W. C 14976 June 13, 1918

Expo. Length	Expo. No.	Nova Primary Sc 1	Sc 2	mean	Cu.	mag.	Expo Length	mid Image Expo.	Nova Primary Sc 1	Sc 2	mean	Cu.	mag.
2m	4	3.4	4.10	·	-3.15	0.95	9-2	3-4	6.8	7.1	7.05	-5.76	1.29
5	5	2.8	3.00	·	-1.81	1.19	2-5	4-5	6.8	7.1	7.05	-5.74	1.31

		α Aquilae Primary Sc 1	Sc 2	Diff.			α Aquilae Primary Sc 1	Sc 2		
2	2	3.8	4.00	-3.11	?-2	1-2	6.3	6.6	6.55	-5.66
5	3	2.7	2.90	-2.01	2-5	2-3	6.3	6.6	6.55	-5.66

		γ Aquilae Primary Sc 1	Sc 2				γ Aq. Primary Sc 1	Sc 2		
2	2	6.3	6.20	6.1	-3.40	?-2	1-2	8.9	8.90	-6.10
5	3	4.4	4.65	4.7	-1.85	2-5	2-3	8.8	8.80	-6.00

		Comp. star "d" Primary Sc 1	Sc 2	
2	4	8.90	8.9	-3.86
5	5	7.60	7.6	-2.56

		Nova Diff "g" Sc 1	Sc 2	Nova Diff "h" Sc 1	Sc 2	mean	Cu.	mag.	Time 11:15
5	5	7.1	7.15	7.2	7.1	7.10	7.1	7.12	-5.93	1.19

		α Aquilae Diff "g" Sc 1	Sc 2	Diff "h" Sc 1	Sc 2	mean	Cu.	Diff. mag.
5	3	6.8	6.75	6.7	6.5	6.65	6.6	6.70	-5.81
5	3		9.5		9.1	9.30		-6.50

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Thursday Jan. 9, 1919

Nova Aquilae No. 3 – See plates.

11:30 Eyes copied numbered from prec. & foll.

Scale M. MC 14977 – June 14, 1918.

Nova

Primary

Eyp. Length	Eyp no.	Sc 1	Sc 2	mean.	Cu.	mag.
5	2	3.1 2.9	·	3.10	−1.50	1.60
2	3	4.4 3.4	4.1	4.10	−2.80	1.30
2	5	4.1 3.9	4.1	4.10	−2.65	1.45
5	6	3.1 2.9	·	3.10	−1.42	1.68

α Aquilae

Primary

		Sc 1	Sc 2		Diff.
5	4	2.7 2.5	·	2.70	−1.81
2	5	3.9 3.7	·	3.90	−3.81
2	7	3.8 3.6	·	3.80	−2.91
5	8	2.6 2.4	·	2.60	−1.71

γ Aq.

Primary

		Sc 1	Sc 2		
5	4	4.1 3.9	·	4.10	−1.30
2	5	5.5 5.3	5.7	5.60	−2.80
2	7	5.5 5.2	5.6	5.55	−2.75
5	8	4.0 3.8	·	4.00	−1.20

Comp star "e"

Primary

		Sc 1	Sc 2		
5	2	7.2 →		7.20	−2.16
2	3	9.0 →		9.00	−4.96
2	5	9.1 →		9.10	−4.06
5	6	7.3 →		7.30	−2.26

11:40

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Thursday Jan. 9, 1919

Nova Aq. No. 3 — Iso. plates.

11:40

copied ch W

Scale M. mc 14 977 — June 14, 1918 — Continued.

Nova

Ap. Length	Eyepc.	Diff "g" Sc 1	Diff "g" Sc 2	Diff "h" Sc 1	Diff "h" Sc 2	mean.	Cu.	Mag.
5	2	.	7.7	.	7.7	7.70	−5.76	1.94
5	6	.	7.7	.	7.8	7.75	−5.74	2.01

α Aquilae.

		Diff "g" Sc 1	Diff "g" Sc 2	Diff "h" Sc 1	Diff "h" Sc 2		Diff
5	4	5.9 6.1	6.15 6.2	5.9 6.1	6.10 6.1	6.12	−5.23
5	8	5.9 6.1	6.15 6.2	5.9 6.1	6.10 6.1	6.12	−5.23

γ Aquilae

		Diff. "g" Sc 1	Diff. "g" Sc 2	Diff. "h" Sc 1	Diff. "h" Sc 2		
5	4	.	9.8	.	9.7	9.75	−6.95
5	8	.	9.8	.	9.7	9.75	−6.95

Nova

mid. Dm. let Eyep.	Primary Sc 1	Primary Sc 2	mean.	Cu.	Mag.
5–2	2–3	. 7.2	7.20	−5.56	1.64
2–5	5–6	. 7.9	7.90	−5.75	2.25

α Aq.

Primary

		Sc 1	Sc 2		Diff.
5–2	4–5	.	6.1	6.10	−5.21
2–5	7–8	.	5.9	5.90	−5.01

γ Aq.

Primary

		Sc 1	Sc 2		
5–2	4–5	.	8.9	8.90	−6.10
2–5	7–8	.	8.9	8.90	−6.10

Time 11:50

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Thursday Jan. 9, 1919.

Nova Aquilae No. 3 — Iso. Plates.

11:50 Exp. numbered from prec. & foll.

Scale M. MC 14983 — June 16, 1918.

Nova

Exp. Length	Exp. No.	Primary Sc 1	Sc 2	mean.	Cu.	mag.
2	4	4.9	4.9	5.00	−3.12	1.88
5	5	3.3	.	3.30	−1.87	1.43

2 Aq.

		Primary Sc 1	Sc 2		Diff.
5	2	2.8 2.6	.	2.80	−1.91
2	3	3.9 3.9	.	3.90	−3.01

8 Aq.

		Prim. Sc 1	Sc 2		
5	2	4.6 4.4	4.5	4.55	−1.75
2	3	6.1 5.9	5.9	6.00	−3.20

Nova.

		Diff "g" Sc 1	Sc 2	Diff. "h" Sc 1	Sc 2		Cu.	mag.
5	5	.	8.7	.	8.7	8.70	−6.58	2.12

2 Aq.

		Diff "g" Sc 1	Sc 2	Diff "h" Sc 1	Sc 2		Diff.
5	2	.	6.9	.	6.8	6.85	−5.96

8 Aq.

		Diff "g" Sc 1	Sc 2	Diff "h" Sc 1	Sc 2		
5	2	.	9.8	.	9.7	9.75	−6.95

12:00

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Monday Jan. 13, 1919

Nova Aquilae No. 3. - Iso Plates.

2:15

✓MC 14986 - Only two objects on plate - therefore impossible to decide which is Nova + which α Aquilae.

✓MC 15007 - Only two objects on plate, - therefore impossible to decide which is Nova + which α Aquilae.

✓MC 15043 - Impossible to identify anything on plate - Many defects in film.

✓MC15023 - Plate too poor.

✓MC15027 - " " "

✓MC15042 - Nova brighter than "c" "c" is brightest comp. star on plate. - Nova shows no p.c. or diff. rim. Therefore not measured.

✓MC15036 Nova brighter than "c" Diff. rim to Longest exp. too faint to measure.

✓MC15032 - Only one object on plate.

✓MC15037 Cannot identify anything on plate.

✓MC14984 - One series of images runs off plate, therefore impossible to determine how many images were taken and hence impossible to determine which series of images is Nova + which α Aquilae

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Monday Jan. 13, 1919

Nova Aq. III – Leo Plates.

copied

MC 15018 Out of focus.

MD 14987 Copied ch IV

Scale M. Nova + α Aphinobi only objects on plates.

Nova Expss. Numbered prec. to foll.

Expt Length	Expt No.	Sc 1		Sc 2	Mag. (Reduced by one star See Note P. 187)
~~10~~ 8	3	.		8.4	2.34
~~8~~ 10	6	.		7.9	2.24
8	11	.		8.4	2.44
10	12	.		8.1	2.34

α Aphinobi Mag. α Aphi yellow light = 2.14

		Sc 1		Sc 2
8	2	.		8.2
10	5	.		7.8
8	10	.		8.1
10	13	.		7.9

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Monday Jan. 13, 1919

Nova Aq. III — Iso plates.

N.B. below copied in W

Scale M M D 14988 Expos. numbered prec & foll

Exp.	length	Exp. No	Nova Sc 1	Nova Sc 2	Cu.	Mag
8h	2s	8	.	8.2	−5.78	2.42
10h	2s	9	.	7.7	−5.27	2.43
8	24		.	8.1	−5.68	2.42
10	25		.	7.7	−5.32	2.38

α Aquilae

		Sc 1	Sc 2	Diff.
8	2	5.9 5.7	5.85	5.8 −4.96
10	3	5.6 5.4	5.60	5.6 −4.71
8	12 ~~3~~	6.1 5.9	6.10	6.1 −5.21
10	13 ~~4~~	5.8 5.6	5.85	5.9 −4.96

γ Aquilae

		Sc 1	Sc 2	Diff.
8	~~*~~ 2 3	.	8.8	−6.00
10	3 4	.	8.2	−5.40
8	12 ~~13~~	.	8.6	−5.80
10	13 14	.	8.2	−5.40

~~* First apparent~~

N.B. First five spectra made on Nova - These run vertically on plate between 7th + 8th spectra of Nova. - See note in original record book.

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Monday Jan. 13, 1919

Nova Aquilae No. 3 — Iso. Plates.

Scale M.

copied

MD. 14986. — Eyp. numbered prec. & foll.

Reduced by one star See note P. 187

Eyp. test to Eyp.	Eyp. to Nova		Sc 1	Sc 2	Diff. from Blue plates	mag
10	3	.	7.6	2.18		2.04
8	4	.	7.9	2.28		2.14
10	15	.	7.6	2.18		2.04
8	16	.	7.9	2.28		2.14

Aphelion mag. Aphel. = 2.28 blue light

mag Aphel. = 2.14 yellow light

			Sc 1	Sc 2
10	3	.		7.7
8	4	.		7.9
10	9	.		7.7
8	10	.		7.9

Scale M. MC 15026 copied

Eyp. 10m	Nova Diff. Dec.				
	9	Sc 1	Sc 2	Diff.	
	8.8	8.9	8.85	−1.75	7.10
k			7.9	−1.54	
l			8.7	−1.94	
m			9.5	−1.77	
n			9.6	−1.78	
o			9.8	−1.96	

Sabt 3.74 for diff. mn

3.36

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Monday Jan. 13, 1919

Nova Aquilae No. 3 — Iso. Plates.

copied ch. W

MD 14984 See P 116

Scale M.

Cap length.	Cap No	Nova	Diff. (α Aphi. − Nova)	mag.
10	5	7.4	0.1	2.18
8	6	7.7	0.2	2.08
10	21	7.6	−0.2	2.48
8	22	7.8	−0.1	2.38
			0.0	mean diff. — To reduce by one step, assume scale interval to be 0.1 mag.

		α Aphiuchi	
10	3	~~7.6~~ 7.5	
8	4	7.9	
10	17	7.4	
8	18	7.7	

Mag. α Aphiuchi 2.28

3:45

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Tuesday Jan. 14, 1919

Nova Aquilae No 3 – Iso. Plates –

10:15

✓ MC 15004. copied

Only one object on plate.

✓ MC 15002 Copied

Only one object on plate.

✓ MC 14998 copied

Only one object on plate.

MC 14994 copied

Scale M.

Nova

Primary.

Asp.	Sc 1	Sc 2	Mean	Cu.	Mag.
Longest	5.1 4.9	4.9	5.00	−2.68	2.32
Middle	6.1 5.9	6.2	6.15	−3.76	2.39
Shortest	7.2 6.8	7.3	7.15	−4.67	2.48

ζ Aquilae

Primary.

	Sc 1	Sc 2		Diff.
Longest	3.1 2.9	.	3.10	−2.21
Mid.	4.0 3.8	.	4.00	−3.11
Shortest	5.0 4.8	4.8	4.90	−4.01

δ Aquilae

Primary

	Sc 1	Sc 2		
Longest	5.8 5.6	5.5	5.65	−2.85
Mid.	6.7 6.7	6.6	6.75	−3.95
Shortest	.	7.6	7.60	−4.80

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Tuesday Jan 14, 1919

Nova Aquilae No. 3 — Duo Plate.

Scale m. HC 14995 copied J.A.W.

Nova

Primary

	Sc 1	Sc 2	mean.	Cu.	Mag.
Longest	5.8 (6.0)	5.9	5.95	−3.15	2.80
middle	6.8 (7.0)	6.8	6.90	−4.34	2.56
Shortest	·	7.8	7.80	−5.35	2.45

α Aquilae

Primary

	Sc 1	Sc 2		Diff.
Longest	3.5 (3.7)	·	3.70	−2.81
middle	4.6 (4.8)	4.5	4.65	−3.76
Shortest	5.3 (5.7)	5.6	5.65	−4.76

γ Aquilae

Primary

	Sc 1	Sc 2		
Longest	5.9 (6.1)	5.8	5.95	−3.15
middle	·	7.2	7.20	−4.40
Shortest	·	8.3	8.30	−5.50

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Tuesday Jan. 14, 1919

Nova Aquilae No. 3 – Iso Plates.

Scale M MC 14989 copied 2h 14

Nova.

Primary

Edge	Scl	Scr	mean	Cw	mag.
Longest	80 2 5.0 4.9	5.2	5.10	−2.79	2.31
Mid.	40 2 6.0 5.8	6.1	6.05	−3.70	2.35
Shortest	20 2 6.9 7.1	7.2	7.05	−4.66	2.39

α Aquilae

Prim

	Scl	Scr		Diff.
Longest	3.1 2.9	·	3.10	−2.21
Mid.	3.9 3.7	·	3.90	−3.01
Shortest	4.5 4.7	4.7	4.70	−3.81

γ Aquilae

Prim

	Scl	Scr		
Longest	5.8 5.6	5.8	5.80	−3.00
Mid.	6.8 6.6	6.7	6.75	−3.95 ~~−3.95~~
Shortest	·	7.7	7.70	−4.90

✓ MC 15003 copied.

Only two objects on plate
Not possible to tell which
is Nova & which α Aquilae.

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Tuesday Jan. 14, 1919

Nova Aquilae No. 3 - two plates

✓ MC 15020 copied dr H.
northing on plate.

✓ MC 15052 copied
Nova brighter than "e"
"e" is brightest comp star
on plate and diff in M of
nove t. p.

✓ MC 15236 copied.
Diff. in M of 1m upr. t.p and
prim in two bright

Expr. 3m

Scale M.				Cu	mag.	Subt 3.74 for diff in.
Nova Diffn	g 7.8	tc 7.6	7.70	+1.06	8.76	5.02
r		7.7	7.70	Diff. 1.06		
a		6.7	6.70	1.80		
t		8.5	8.50	0.73		
n		8.9	8.90	0.86		

12:00

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Tuesday Jan. 14, 1919

2:00

Nova Aquilae No 3 — Two plates.

Scale M

✓ MC 15072 copied

Diff. Exp. of 1m exp. too faint.

	3m Exp.			Cu.	mag.	Subt 3.74
	q 8.5	h 8.6	8.55	0.20	8.75	5.01
		8.6	Diff. 0.05			
r		8.8	−0.04			
s		7.9	0.60			
t		9.1	0.13			
u		9.9	−0.14			

	10m Exp.			Cu.	mag.	Subt. 3.74
	q 5.9	h 6.1	6.00	2.50	8.50	4.76
		6.8	Diff. 1.85			
r		6.8	~~1.96~~ ~~1.84~~			
s		5.8	2.70			
t		7.86	1.63			
u		8.5	1.26			

Scale M. ✓ MC 15214 copied.

Exp of 3m only shows diff images

Exp 3m	q	h		Cu.	mag.	~~Subt 3.74~~
Nova Diff.	8.7	8.6	8.65	0.27	8.92	5.18
r		6.7	Diff. 0.06			
s		7.7	0.80			
t.		9.1	0.13			

✓ MC 15010 — Nothing on plate.

copied ✓ MC 15014 — " " "

✓ MC 15057 Nova brighter than brightest comp star on plate. No diff. im.

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Tuesday Jan. 14, 1919
Nova Aquilae No. 3 - Iso. plates.

✓ MC 15220. copied

Diff. Im. of 1m Eyp. too faint.

Scale M	3m Eyp.			cu	mag	Subt. 3.74
Nova Diff.	g 7.8	7.7	7.75	1.02	8.77	5.03
r		7.9	Diff. 0.86			
s		6.9	1.60			
t		8.8	0.43			
u		9.3	0.46			

✓ MC 15231 copied.

1m Eyp of comp stars n. r,

Scale M.	3m Eyp.			cu	mag.	Subt. 3.74
Nova Diff.	g 8.7	8.5	8.60	0.55	9.15	5.41
r		7.9	Diff. 0.86			
s		7.5	1.00			
t		8.7	0.53			
u		9.8	-0.04			

Scale M. ✓ MC 15237 ← copied Nova brighter than "e"
"e" brightest comp. star on plate.
Diff. Im. of nova too faint.

✓ MC 15218 copied

	3m Eyp.			1m Eyp of Comp. stars n. s		
				cu.	mag.	Subt. 3.74
Nova Diff.	g 7.3	7.2	7.25	1.40	8.65	4.91
p		5.9	Diff. 2.17			
q		7.3	1.35			
r		7.7	1.06			
s		6.8	1.70			
t		8.4	0.83			
u		8.8	0.96			

3:15

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Wednesday Jan. 15, 1919

9:45

Nova Aquilae No. 3 - Iso plates

Scale M

Light somewhat uneven.

MC 15362 copied Exposures numbered from 1 to 6

1st expo not used - see note in record book

2nd Expo. - 10m.

	Primary		Images mean		cu.	mag.
	sc1 5.6 (5.8)	sc2 5.6	5.70		−0.25 Diff	5.45
nova						
e	4.9 (5.1)	5.3	5.20	~~Diff 0.45~~	−0.16	
f	5.7 (5.9)	5.7	5.80		−0.15	
l	·	7.8	7.80		−1.06	
k	6.8 (7.0)	7.1	7.05		−0.79	

3rd expo. - 30m. - Primary images

	sc1	sc2		cu.	mag.
nova	4.6 (4.8)	4.6	4.70	0.65	5.35
e	4.5 (4.7)	4.6	4.65	Diff. 0.39	
f	4.7 (4.9)	5.1	5.00	0.65 ~~0.45~~	
l	·	7.2	7.20	−0.44	
k	6.2 (6.4)	6.1	6.25	0.01	

copied

MC 15181 → mag 8.36 − subt. 3.74 = 4.64 → subt. 3.74 → 4.91

3X m Expo					1X m Expo				
Diff. nova	6.7 (6.8) (6.85)	6.7 (6.7) (6.80)	6.82	cu. 1.56	Diff. nova	g 8.8	h 8.80	cu. −0.15	mag. 8.65
	sc1	sc2		Diff.		sc1	sc2	Diff.	
o	5.6 (5.8)	5.7	5.75	2.09	o	·	7.4	0.44	
p	5.9 (6.1)	5.9	6.00	2.07	p	·	7.7	0.37	
q	·	7.6	7.60	1.05	q	·	8.8	−0.15	
r	·	7.7	7.70	1.06	r	·	8.8	−0.04	
s	6.8 (7.0)	6.9	6.95	1.55	s	·	8.6	−0.10	
t.	·	8.4	8.40	0.83	t.	·	9.9	−0.67	

10:00

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Wednesday Jan. 15, 1919

10:00 Nova Aquilae No. 3 - Iso plates.

Scale M.

✓ MC 15-168 copied

1m Eyepe → subt. 3.74 = 4.81

Diff. nova	g	h	cu	mag.
→	8.8	8.8	8.80	−0.25 8.55
n		7.1	Diff. +0.72	
o		7.6	0.24	
p		7.8	0.27	
q		8.9	−0.25	
r		9.4	−0.64	
s		8.7	−0.20	
t		9.9	−0.67	

3m Eyepe. → subt. 3.74 = 4.66

Diff. nova	g		h		cu	mag.
	6.8	6.75	6.8	6.70		
→	6.6	6.7	6.6	6.6	6.72	1.68 8.34 0
n	5.0 4.8		5.1		5.05	Diff. 2.77
o	5.6 5.8		5.6		5.70	2.14
p	5.6 5.8		5.6		5.70	2.37
q			7.5		7.50	1.15
r			7.6		7.60	1.16
s	6.9		6.6		6.75	1.75
t			8.5		8.50	0.73

10m Eyepe

Diff nova	g		h		cu	mag	subt 3.74
	4.6	3.8					
	3.8	3.6		3.90	4.12	8.02	4.28
n	3.6 3.4			3.60	Diff. 4.22		
o	4.0 3.8			4.00	3.84		
p	4.0 3.8			4.00	4.07		
q	5.1 4.9		5.1	5.10	3.55		
r	5.0 4.8		5.2	5.10	3.66		
s	4.3 4.1		4.2	4.25	4.25		
t	6.1 5.9		6.1	6.10	3.13		

10:20

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Wednesday Jan. 15, 1919

Nova Aquilae No. 3 – Iso. plates.

10:20

Scale M

MC 15111

copied D.H.

1m Eqpt	g	h			3m Eqpt	g	h			
Diff. nova	8.6	8.7	8.65	0.00	Diff. nova	6.2 | 6.3	6.4 | 6.4	6.38	1.80	8.18
n	.	7.2	0.62		n	5.3	5.4	5.45		2.37
o	.	7.6	0.24		o	5.8	5.9	5.95		1.89
p	.	7.7	0.37		p	5.8	6.1	6.05		2.02
q	.	8.9	−0.25		q	.	7.6	7.60		1.05
r	.	9.1	−0.34		r	.	7.7 | 7.6	7.60		1.66
s	.	7.7	0.80		s	6.7	6.6	6.75		1.75
t	.	9.2	0.03		t	.	8.5	8.50		0.73

10m Eqpt	g	h			
Diff: nova	3.9 | .	3.8 | .	4.05	3.80	7.85
n	3.8	.	4.00	3.82	
o	3.9	4.2	4.15	3.69	
p	4.3	4.1	4.30	3.77	
q	5.5	5.6	5.65	3.00	
r	5.8	5.5	5.58	3.18	
s	4.7	4.6	4.75	3.75	
t	6.2	6.6	6.55	2.68	

Subt-3.74

4.11

Subt-3.74

4.54

10:40

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1917phac.proj...703B

Wednesday Jan. 15, 1919
Nova Aquilae No. 3 - Iso Plates.

10:40 Sky Cleared.

Scale 1m ✓ MC 15087 copied. J.W.H.

No diff. images and Nova brighter than brightest comp. star on plate.

✓ MC 15187 copied.

1m Expr shows no diff image

3m Expr	g	h		cu.	mag.	Subt. 3.74
Diff Nova	8.7	8.7	8.70	0.60	9.30	5.56
g	.	7.6	Diff. 1.05			
r	.	7.8	0.96			
s	.	6.9	1.60			
t	.	~~5.7~~ 6.	0.53			
u	.	9.3	0.46			

Plotted

✓ MC 15194 copied.

Diff images of 1m expr too faint

3m Expr.	g	h.		cu.	mag.	Subt. 3.74
Diff Nova	8.4	8.5	8.45	0.84	9.29	5.55
g	.	7.5	~~Diff.~~ 1.15			
r	.	7.6	1.16			
s	.	6.8	1.70			
t	.	8.7	0.53			
u	.	8.9	0.86			

10:50

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1917phae.proj..703B

Wednesday Jan. 15, 1919

Nova Aquilae No. 3 – Iso Plates.

10:50

Scale M ✓ MC 15201 copied

1m Expr of faint comp. stars not seen.

3m Expr	g	h.		cu.	mag.	Subt. 3.74
Diff Nova	7.6	7.6	7.60	1.20	8.80	5.06
q		7.4	1.25 Diff			
r		7.5	1.26			
s		6.6	1.90			
t		8.5	0.73			
u		8.8	0.96			

copied

✓ MC 15139. – Diff images poor. → Subt 3.74 4.44

1m Expr	g	h		3m Expr	g	h		cu.	mag.
Diff Nova	7.7	7.6	7.65	Diff Nova	6.1 6.10 / 5.9 6.1	6.0 6.10 / 5.8 6.2	6.10	2.08	8.18
n		7.0	0.82 Diff	n	5.4 / 5.2	5.3	5.35	2.47 Diff	
o		7.5	0.34	o	6.0 / 5.8	5.7	5.85	1.99	
p		7.6	0.47	p	6.1 / 5.9	5.8	5.95	2.12	
q		8.7	−0.05	q	7.0 / 6.8	7.2	7.10	1.55	
r		8.6	+0.16	r		7.3	7.30	1.46	
s		8.2	0.30	s	6.4 / 6.2	6.5	6.45	2.05	
t		9.6	−0.37	t		8.1	8.10	1.13	

10m Expr	g	h		cu	mag.	Subt. 3.74
Diff Nova	4.1 / 3.9	4.0 / 3.8	4.05	3.93 Diff	7.98	4.24
n	3.8 / 3.6		3.80	4.02		
o	4.1 / 3.9	4.0	4.05	3.79		
p	4.4 / 4.2	4.2	4.30	3.77		
q	5.5 / 5.3	5.4	5.45	3.20		
r	5.5 / 5.3	5.4	5.45	3.31		
s	4.7 / 4.5	4.5	4.60	3.90		
t	6.3 / 6.1	6.2	6.25	2.98		

6.9 in 3m Expr.

11:10

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1917phae.proj...703B

Wednesday Jan. 15, 1919

Nova Aquilae No. 3 — Iso plates.

11:10

Scale M C 15125 ✓ copied. dw

subt. 3.74 → 4.79

subt. 3.74 → 4.54

1m Eff	g	h			mag
Diff				cu.	
Nova	8.4	8.4	8.40	0.13	8.53
n		7.2	0.60		
o		7.7	0.14		
p		7.8	0.27		
q		8.7	−0.05		
r		8.7	+0.06		
s		8.4	0.10		
t		9.3	−0.07		

3m Eff	g		h				
Diff						cu.	mag
Nova	6.4 6.2	6.5 6.3	6.5 6.3	6.40 6.3	6.38	1.90	8.28
n	5.4 5.2		5.4		5.40	Diff. 2.42	
o	6.0 5.8		5.7		5.85	1.99	
p	6.1 5.9		5.8		5.95	2.12	
q			7.2		7.20	1.45	
r			7.3		7.30	1.46	
s	6.8 6.6		6.7		6.75	1.75	
t			8.2		8.20	1.03	

10m Eff	g		h			cu	mag	subt. 3.74
Diff						3.68	7.98	4.24
Nova	4.4 4.2	4.35 4.3	4.3 4.1	4.25 4.2	4.30	Diff.		
n	4.0 3.8				4.00	3.82		
o	4.2 4.0		4.2		4.20	3.64		
p	4.4 4.2		4.3		4.35	3.72		
q	5.8 5.6		5.6		5.70	2.95		
r	5.8 5.6		5.7		5.75	3.01		
s	5.0 4.8		5.1		5.05	3.45		
t	6.5 6.3		6.7		6.60	2.63		

11:25

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1917phae.proj..703B

Wednesday Jan. 15, 1919

Nova Aquilae No. 3 – Duo. plates.

11:25

Scale m ✓ mC 15096 copied

3m Eqpt	g	h	mag 8.85 Diff 7.00	5.11 Cir. +0.20 Diff 0.84	10m Eqpt Diff nova	g 6.4 6.2 6.6 6.5	h 6.5 6.3 6.5 6.6	1m Eqpt subt 3.74 nova 6.50	diff Swope subt 3.74 4.92 Cir 2.16 mag 8.66 Diff 2.74
Diff nova	8.6	8.7							
o	.	7.0		0.84	o	4.9 5.1	5.1	5.10	
p	.	7.2		0.87	p	5.0 5.3	5.4	5.35	2.72
q	.	8.6		0.05	q	6.7 6.9	6.7	6.80	1.85
r	.	8.6		0.16	r	6.9 6.7	6.8	6.85	1.91
s	.	7.8		0.70	s	6.0 5.8	5.7	5.85	2.65
t	.	9.3		−0.07	t	.	7.6	7.60	1.63

✓ mC 15093 copied

Scale m

Diff images of 1m Eqpt, too faint.

3m Eqpt	g	h	subt 3.74 4.22 Cir. mag	10m Eqpt Diff nova	g 6.1 5.9 6.0 6.1	h 6.0 5.8 5.9 5.95	subt 3.74 4.13 Cir. +1.85 mag 7.87	
Diff. nova	8.3	8.3	8.33 −0.37 7.96					
o	.	8.3	Diff −0.46	o	5.9 6.1	5.9	6.00	Diff 1.84
p	.	8.5	−0.43	p	6.1 6.3	6.2	6.25	1.82
q	.	9.5	−0.85	q	.	7.8	7.80	0.85
r	.	9.7	−0.94	r	.	9.2	8.20	0.56
s	.	8.9	−0.40	s	.	7.3	7.30	1.20
t	.	10.0	−0.77	t	.	8.8	8.80	0.43

11:45

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1917phae.proj...703B

Friday Jan. 17, 1919

Nova Aquilae No. 3 - Iso plates.

10:10

copied J.W.

AC 20198

Scale M.	Sc 1	Sc 2	Mean	~~Diff~~	Cl.	Mag.
nova	2.0 1.8	.			+0.14	2.14
A	1.8 1.6	.		Diff. -0.91		
B	off plate.	.				
C	3.3 3.1	.		-0.28		
a	3.7 3.6	.		-0.26		
b	3.9 3.7	.		-0.35		
c	2.8 2.6	.		+0.62		
dbl. d	3.8 3.6	.				
e	4.9 4.7	5.1	5.00	+0.04		

10:15

11:15

copied

✓ MC 15047 - Broken at Lab. - too poor to measure. given to miss Leavitt - to be thrown away.

✓ MC 15225 - Plate badly broken at Lab. Diff. of nova require measurement of comp. stars q r s t with scale to obtain mag. r, + t are both on break of Both q + s are brighter than diff. of nova, therefore plate was not measured

11:20

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1917phae.proj..703B

Friday Jan. 17, 1919

Nova Aquilae No. 3 – Iso. plates.

11:20

✓ MC 15101 – Broken at Lab. opticl. clw 14

3m Effp shows no diff. images.

Scale M.	3m Effp. q	3m Effp. h		10m Effp. q	10m Effp. h		
			mag 8.88 subt 3.74 5.14				subt. 3.74 5.05
Diff. Nova	8.6	8.7	8.65 cu. +0.23	6.7 6.65 Diff. Nova 6.5 6.6	6.6 6.50 6.4 6.5	6.60	+2.19 cu. 8.79 mag
	sc1	so2	Diff.	sc1	so2		Diff.
q	1	8.5	0.15	6.1 6.3	6.3	6.30	2.35
r	.	8.6	0.16	6.4 6.6	6.5	6.55	2.21
s	.	7.8	0.70	5.6 5.7	5.6	5.65	2.85
t	.	9.2	0.03	.	7.6	7.60	1.63
u	.	~~9.9~~	−0.14	.	8.2	8.30	1.46

11:30

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1917phae.proj...703B

Friday Jan. 17, 1919

Nova Aquilae No. 3 — Iso plates.

11:40

m

Scale

AC 20209 copied J.A.W. Trail between 1st + 2nd Expse

	10² Expse					30² Expse				
	ScB	mean	ScC	Cu.	mag.	ScB	mean	ScC	Cu.	mag.
Nova	8.6 8.2	8.25	8.3	-6.30	1.95	7.6 7.2	7.05	6.9	-4.90	2.15
A	7.6 7.2	7.30	7.4	Diff. -6.41		6.5 6.1	5.95	5.8	Diff. -5.06	
C			9.2	-6.18		8.2 7.8	7.80	7.8	-4.78	

AC 20188 copied

Scale N

	10² Expse					30² Expse				
	ScB	mean	ScC	Cu.	mag.	ScB	mean	ScC	Cu.	mag.
Nova	7.5 7.1	7.00	6.9	-5.97	1.03	5.9 5.5	5.55	5.6	-4.58	0.97
A	7.3 6.9	6.85	6.8	Diff. -5.96		5.8 5.4	5.45	5.5	Diff. -4.56	
C			9.1	-6.08		8.3 7.9	7.90	7.9	-4.88	

AC 20205 copied

10² Expse trailed

Scale N

30² Expse

	ScB	mean	ScC	Cu.	mag.
Nova	6.9 6.5	6.55	6.6	-4.64	1.91
A	5.8 5.4	5.40	5.4	Diff. -4.51	
C	8.2 7.8	7.80	7.8	-4.78	

AC 20208 copied Trail bet. 1st + 2nd Expse.

Scale N

	10² Expse					30² Expse				
	ScB	mean	ScC	Cu.	mag.	ScB	mean	ScC	Cu.	mag.
Nova	8.7 8.3	8.35	8.4	-5.91	2.44	7.6 7.2	7.15	7.1	-5.17	1.98
A	7.6 7.2	7.20	7.2	Diff. -6.31		6.5 6.1	6.00	5.9	Diff. -5.11	
C			9.5	-6.48		8.7 8.3	8.25	8.2	-5.23	

12:15

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1917phae.proj..703B

~~24~~ Friday Jan. 17, 1919

Nova Aquilae No. 3 — Iso plates

12:15

Scale 11 AC 20199. copied

	10" Eyp. ScB	Mean	ScC	Cu	mag		30" Eyp. ScB	ScC	Mean.	Cu.	mag
Nova	7.8	7.4 7.50	7.6	-6.09	1.41	Nova	6.6	6.2 5.9	6.05	-4.61	1.44
a	7.4	7.0 6.95	6.9	Diff -6.06		a	5.8	5.4 5.5	0.45	Diff -4.56	
C	·		9.2	-6.18		C	8.2	7.8 7.8	7.80	-4.78	
a	·		9.7	-6.26		a	8.6	8.2 8.2	8.20	-4.76	

AC 20207 copied

Scale 11

	ScA	ScB	ScC	Mean.	Cu.	mag.
Nova	2.6 2.4	·	·	2.40	+0.10	2.50
A	1.5 1.3	·	·	1.30	Diff. -0.41	
C	3.7 3.5	3.9 3.5	·	3.50	-0.48	
Error of omit? No a	3.1 2.9	3.3 2.9	·	2.90	+0.54	
b	4.1 3.9	4.5 4.1	4.2	4.07 17 03 13	-0.52	
C	3.8 3.6	4.3 3.9	4.0	3.83 23 07 17	-0.41	
dbl. d	4.3 4.1	4.6 4.2	4.2	4.17 07 03 03		
e	·	6.9 6.5	6.3	6.40	-1.36	

12:35

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1917phae.proj..703B

Friday Jan 17, 1919

Nova Aquilae No 3 – Iso plates

1:50

AC 20197. copied

Scale N

	1c a	1c B	1c C	mean	Cu	mag.
Nova	0.7 0.5	.	.	0.50	+1.20	1.70
A	0.6 0.4	.	.	0.40	Diff 0.49	
B	off plate					
C	2.7 2.5	.	.	2.50	0.52	
a	2.4 2.2	.	.	2.20	1.24	
b	2.7 2.5	.	.	2.50	1.05	
c	2.6 2.4	.	.	2.40	1.02	
d	2.9 2.7	3.1 2.7	.	2.70	dbl.	
e	4.6 4.4	4.8 4.4	4.2	4.33	.0 .71	
f	4.9 4.7	5.1 4.7	4.7	4.70	0.95	

Scale N AC 20196 copied Exps of 2s + 4s of Comp stars N.2

8s Expr

	1c a	1c B	1c C	mean	Cu	mag.
Nova	7.9 7.7	7.6 7.2		7.45	−5.85	1.60
A	6.8 6.6	7.1 6.9		6.65	Diff −5.76	
C	.	9.4 9.0		9.00	−5.98	
a	.	9.8 9.4		9.40	−5.96	

15s Expr

	1c B	1c C	mean	Cu	mag
Nova	7.4 7.0	6.8	6.90	−5.45	1.45
A	6.8 6.4	6.3	6.35	Diff −5.46	
C	8.8 8.4	8.6	8.50	−5.48	
a	.	9.6	9.60	−6.16	

30s Expr

	1c B	1c C	mean	Cu	mag
Nova	6.6 6.2	5.9	6.05	−4.71	1.34
A	5.9 5.5	5.6	5.55	Diff. −4.66	
C	8.3 7.9	7.9	7.90	−4.88	
a	8.7 8.3	8.3	8.30	−4.86	

1m Expr

	1c B	1c C	mean	Cu	mag.
Nova	5.6 5.2	5.1	5.15	−3.67	1.48
A	4.8 4.4	4.4	4.40	Diff −3.51	
C	7.7 7.3	6.9	7.10	−4.08	
a	7.7 7.3	7.6	7.45	−4.01	

2:25

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1917phae.proj..703B

Friday Jan. 17, 1919

Nova Aquilae No. 2 - Iso plates.

2:25

Scale N. a C 20206 copied ch W - Plate scratched.

	Sc A	Sc B	Sc C	Mean	✕ Cu	mag.
Nova	1.4 1.2	.	.		+1.63	2.83
a	0.4 0.2	.	.		Diff. 0.69	
C	2.4 2.2	.	.		0.82	
a	1.8 1.6	.	.		1.84	
b	2.6 2.4	.	.		1.15	
c	1.6 1.4	.	.		2.02	
d	2.8 2.6	.	.		dbl	
e	4.7 4.5	4.8 4.4	4.3	4.40	0.64	

2:35

3:00 ✓ MC 15001

Only one object on plate) Given to Miss Leavitt. To be returned, away.

✓ MC 15000 " " " " "

✓ MC 14988 - " " " " "

✓ MC 14987 - " " " " "

3:15

✓ MC 14977 - Do not measure.

✓ AD 17349 Cannot find.

✓ AD 17361 Has not come from Set. Feb. 15, 1919

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1917phae.proj..703B

~~Saturday~~ ~~Friday~~ Jan. 18/17 1919

10:20
~~3:35~~

Nova Aquilae No. 3 — obj. in W

Ad plates.

Longer Exposure

	Plate.	Est.	Remarks.
✓	AD17852	6.2 f.	Shorter exp. n.r.
✓	AD17798	t.f.	Badly trailed & badly fogged
✓	AD1790.6	6.1	Shorter Exp. Too faint.
✓	AD17831	5.6	
✓	AD17933	t.f.	fogged - too near horizon
✓	AD17949		too faint. ✓
✓	AD17849	5.6	
✓	AD17920		too faint.
✓	AD17800		plate mottled film poor.
✓	AD 17893	t.f.	
✓	AD17779	5.6	Shorter exp. n.r.

Shorter Exp.

✓	AD17849	5.6	
✓	AD17831	5.6	
✓	MC 14960	6.1	by p.c. See P. 117.
11:00		9:6	comp. diff. nova with comp stars Subt. 3.47 = 5.9 mag. of nova.
✓	MC 14971		"The nova is the only star on the plate. Diff. images are at least 1.5 mag. brighter than limit of vis. This means that it must be at least 5.2 mags brighter than "c" or at least as bright as 0.8 mag." — note by H.S.L.

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1917phae.proj..703B

Friday Jan. 31, 1919.

Reduced by provisionally adopted Mags of Poor Sequ. Sob. given me by H.S.L.

Nova Aquilae No. 3 — For Photovisual Mags.

For Relative Mags. from Poor Sequ. Sob.

12:00
~~11:45~~

Poor Sequ. Sob. Sequence.

Scale M. a M 135-54 — Iso.

	Sc A	Sc B	mean	Sc C	Diff.		Sc A	Sc B	Sc C	Cu.	mag.
1	.	6.9 6.5	6.50	6.5	.	p	.	.	9.2	-0.89	8.31
2	.	7.1 6.7	6.55	6.4	.	q	.	.	9.5	-0.91	8.59
3	.	7.7 7.3	7.25	7.2	-0.63	r	.	.	9.7	-0.91	8.79
4	.	8.8 8.4	8.45	8.5	-0.72	s	.	.	9.4	-0.90	8.50
5	.	.		8.8	-0.80	t	.	.	9.7	-0.91	8.79
6	.	.		9.4	-1.10	w	.	.	f.		
7	.	.		9.7	-1.05						
8	.	.		9.4	-1.01						
9	.	.		9.8	-0.68						
10	.	.		9.8	-0.73						
11	.	.		9.9	-0.97						

Nova Sequence

	B.	.	mean	.	Cu.	mag.
C	1.2 1.0	.	1.00	.		
a	3.4 3.2	3.3 2.9	3.05	.		
b	3.5 3.3	3.5 3.1	3.20	.		
c	2.7 2.5	.	2.50	.		
d	3.6 3.4	3.6 3.2	3.30	.		
e	4.7 4.5	4.6 4.2	4.35	.		
f	.	6.6 6.2	6.15	6.1		
g	.	6. 5.7	5.60	5.5		
h	.	6.2 5.8	5.70	5.6		
k	.	7.2 6.8	6.75	6.7		
l	.	7.9 7.5	7.40	7.3	-0.67	6.73
m	.	8.6 8.2	8.15	8.1	-0.74	7.41
n	.	8.9 8.6	8.55	8.6	-0.79	7.76
o	.	8.8 8.4	8.55	8.7	-0.79	7.76

12:30

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1917phae.proj..703B

Friday Jan. 31, 1919

12:30 Nova Aquilae No. 3 - For Photovisual Mags.
For Rel. Mags from Poor Sent. Seq.

Scale 7

AC 16331 -120.

Diff	x	Sc a	Sc b	Sc c	Mean		Nova Seq.			Cu	Continued mag
							mean				
			5.2 4.8	4.7	4.75	nn	6.45	6.8 6.4	6.5	0.94	7.39
.1	.					n	6.30	6.8 6.4	6.2	0.97	7.27
.12	.		5.1 4.7	4.6	4.65	o	6.70	7.1 6.7	6.7	0.90	7.60
0.873	.		6.2 5.8	5.7	5.75	p	7.20	7.5 7.1	7.3	0.83	8.03
1.034	.		7.1 6.7	6.7	6.70	q	7.85	8.3 7.9	7.8	0.70	8.56
0.755	.		7.3 7.3	7.2	7.25	r	7.90	8.3 7.9	7.9	0.70	8.60
0.806	.		7.8 7.4	7.6	7.50	s	7.80	8.1 7.7	7.9	0.72	8.52
0.757	.		8.4 8.0	7.8	7.90	t	.	.	8.8	0.54	9.34
0.548	.		8.2 7.8	7.9	7.85	u	.	.	9.5	0.40	9.90
0.779	.		8.8 8.4	8.3	8.35	w	.	.	9.4	0.43	9.83
0.5210	.		8.8 8.4	8.7	8.55	y	.	.	9.8	0.34	10.14
0.3811	.		8.9 8.5	8.6	8.55						
0.3112	.		. .	9.4	9.40						
0.4613	.		. .	9.7	9.70						

Nova Sequence. Cu.

a	e	.	.	mean.
C	1.5 1.7	.	.	1.50
a	2.1 2.3	.	.	2.10
b	2.2 2.4	.	.	2.20
c	1.7 1.9	.	.	1.70
d	2.4 2.6	.	.	2.40
e	3.3 3.5	.	.	3.30
f	3.6 3.8	.	.	3.60
g	3.7 3.9	3.3 3.7	.	3.50
h	3.9 4.1	3.7 4.1	.	3.80
k	4.5 4.7	4.2 4.6	4.4	4.37
l	.	5.3 5.7	5.5	5.40

L100

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1917phae.proj..703B

Friday Feb. 21, 1919

12:00

~~11:40~~

copied

Nova Aquilae No 3 — Disc. plate. copied
See P 124 — Expos. meas. there were 4 different lengths.
MC 14974 — Expos. numbered in red on plate.

Scale M.

Diff Length	Expo No.	Nova Diff Sm.		Nova Diff Sm.		mean.	Cu.	mag.	Sulf. 3.74
	X	Sc 1	Sc 2	Sc 1	Sc 2				
10 m	1	5.7 (5.9) 5.90	5.9	5.6 (5.8) 5.75	5.7	5.82	−1.56	4.26	0.52

Comparison Stars.

Exp length	Expo No. X	α Aquilae Primary Sc 1	α Aquilae Primary Sc 2	γ Aquilae Primary Sc 1	γ Aquilae Primary Sc 2	"e" Primary Sc 1	"e" Primary Sc 2	
		Too Bright		3.9	3.90	Diff. 6.8		Diff.
10 m	2			3.7		−1.10 6.6	6.85 6.9	−1.81

Mid Image Returned Exp 1 2

Nova
α Aquilae
γ Aquilae
e

12:05

Scale M.

MC 15011 — Blue light. mag. γ Aquilae = 3.02 copied

Exp		Sc 1	Sc 2	Sc 2	mean.	mag.
20 s	Nova		8.7	8.8	8.75	3.22
20 s	γ Aquilae		8.5	8.6	8.55	

12:10

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Friday Feb. 21, 1919

Nova Aquilae No. 3

12:10 m C 15071 – ~~Blue~~ Yellow light. Copied ch 14

Diff Inv.

Nova

g		h		mean	cu	mag	Instr. 3.74
5.15		5.35					
5.1 / 4.9	5.2	5.3 / 5.1	5.4	5.25	3.17	8.42	4.68

Primary Comp. stars.

	Est		mean	Diff.
o	4.4 (4.6)	4.5	4.55	3.29
p	4.5 (4.7)	4.5	4.60	3.47
q	5.9 (6.1)	5.9	6.00	2.65
r	5.9 (6.1)	6.0	6.05	2.71
s	4.9 (5.1)	5.2	5.15	3.35
t	6.9 (7.1)	7.1	7.10	2.13

12:15

12:35

	Place	Est	Remarks
✓	aD 17398	3.4?	Bright
✓	aD 17383	4.7	
✓	aD 17218	B	
✓	aD 17260	3.3 :	Bright
✓	aD 17466	4.9 :	
✓	aD 17255	3.8?	
✓	aD 17342	3.9	
✓	aD 17347	4.3	
✓	aD 17356	4.5 –	
✓	aD 17362	Cmul. nirage	
✓	aC 20253	> 3.6	Too bright & ext.
✓	aC 20261	3.4?	Bright
✓	aD 20351		Bright + – Bright Comp stars off Base
✓	aD 17361	4.7	
✓	aC 20573	4.7	
✓	aC 20305	4.5	Fogged.
12:50 ✓	aC 20456	4.6	

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Monday Feb. 24, 1919

Nova Aquilae No. 3.

11:50

ad 17362 — Blue light.

Scale N. Longest Expr. copied

	Sc A	Sc B	Sc C	Cu.	mag.
Nova	.	.	9.2	-4.56	4.64
a	.	.	8.2	Diff. -4.56	
d	.	.	8.7	-4.55	
e	.	.	9.6	-4.58	

copied

Scale M. MC 15271 — 2m. — 1m Expr — Diff. 2m too faint.

	3m Expr. Sc 1	3m Expr. Sc 2	mean.	Cu.	mag.	Subt. 3.74
Diff. in Nova	g 7.7	h 17.6	7.65	1.50	9.15	5.41
q	6.7 6.9	6.9	6.90	Diff. 1.75		
r	6.8 7.0	7.1	7.05	1.71		
s	5.9 6.1	6.1	6.10	2.40		
t	X.	7.8	7.80	1.43		
u	.	8.6	8.60	1.16		

MC 15273 — 2m. Light Streak. copied

Subt. 3.74
Diff. Nova 5.11

	1m Expr. Sc 1	1m Expr. Sc 2	mean	Cu.	mag.	3m Expr. Sc 1	3m Expr. Sc 2	mean	Cu.	mag.	Subt 3.74 5.19
	g 8.7	h 8.8	8.75	0.10	8.85	g 7.3	h 7.2	7.25	1.68	8.93	
p	.	7.3	0.77			5.1 5.3	5.5	5.40	Diff. 2.67		
q	.	8.7	-0.05			6.9 7.1	7.1	7.10	1.55		
r	.	8.7	0.06			6.7 6.9	6.9	6.90	1.86		
s	.	7.9	0.60			5.9 6.1	6.0	6.05	2.45		
t	.	8.9	0.33			.	7.7	7.70	1.53		
u	.	N.A.				.	8.6	8.60	1.16		

12:08

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Monday Feb. 24, 1919

12:08 Nova Aquilae No. 3.

Scale M. MC 15288 — Dso. copied 1m Exp. Diff Sur. Two faint.

3m Exps.

Diff. Nova	q	h	mean.	Cu.	mag.	Subt. 3.74
	7.6	7.7	7.65	1.49	9.14	5.40
q	6.6 6.5	6.7	6.75	Diff. 1.90		
r	6.7 6.9	6.9	6.90	1.86		
s	5.9 6.1	6.0	6.05	2.45		
t	.	7.9	7.90	1.33		
u	.	8.8	8.80	0.96		

copied 1m Exp. — Diff Sur. Two faint

3m Exps MC 15299 — Dso.

Diff Nova	q	h	mean.	Cu	mag.	Subt. 3.74
	8.1	8.2	8.15	1.23	9.38	5.64
q	6.8 7.0	6.9	6.95	Diff. 1.70		
r	6.9 7.1	7.1	7.10	1.66		
s	5.9 6.1	6.1	6.10	2.40		
t	.	7.9	7.90	1.33		
u	.	8.8	8.80	0.96		

Copied 1m Exp. Diff Sur Two faint.

3m Exp MC 15315 — Dso.

Diff Nova	q	h	mean	Cu	mag.	Subt. 3.74
	7.7	7.6	7.65	1.64	9.29	5.55
q	6.5 6.7	6.6	6.65	Diff 2.00		
r	6.7 6.9	6.8	6.85	1.91		
s	5.8 6.0	5.9	5.95	2.55		
t	.	7.4	7.40	1.83		
u	.	8.6	8.60	1.16		

12:25

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Monday Feb. 24, 1919

Nova Aquilae No. 3

copied

2:35

MC 15324 — 1sec. — 1m Eqpc. Diff 2nd Two faint.

Scale M

Diff Nova

3m Eqpc.

	g	h	mean.		Cu.	mag.	Subt. 3.74
	. 8.6	. 8.5	8.55		1.00	9.55	5.81
g	7.8 6.8	7.0	7.00	Diff. 1.65			
r	7.1 6.9	7.1	7.10	1.66			
s	6.2 6.0	6.1	6.15	2.35			
t	.	8.1	8.10	1.13			
u	.	8.8	8.80	0.96			

MC 15349 — 1sec. 1m Eqpc. Diff 2nd r. s.

copied

Diff nova

3m Eqpc.

	g	h	mean.		Cu.	mag.	Subt. 3.74
	. 8.7	. 8.6	8.65		0.97	9.62	5.88
g	7.1 6.9	7.0	7.05	Diff. 1.60			
r	7.1 6.9	7.0	7.05	1.71			
s	6.3 6.1	6.2	6.25	2.25			
t	.	7.9	7.90	1.33			
u	.	8.8	8.80	0.96			
w	.	9.4	9.40	0.51			

copied

MC 15363 — 1sec. Plate identifies film up

	1m Eqpc. Set	Set 2	mean.	Cu.	mag.	~~Subt 3.7~~
nova	.	7.9	7.90	−2.17	5.73	
e	6.7 6.9	6.9	6.90	Diff. −1.86		
k	.	8.7	8.70	−2.44		

	3m Eqpc. Set 7.1	Set 2		Cu.	mag.
nova	6.9	7.1	7.10	−1.16	5.94
e	4.9 5.1	5.2	5.15	Diff. −0.11	
k	.	7.8	7.80	−1.54	

2:48

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Monday Feb. 24, 1919

Nova Aquilae No. 3

2:48

MC 15245 – Iso. copied 1m Exp. Diff. Im N.P.

Scale M

3m Exp.

	g		lv	mean.	Cu.	mag.	Subt. 3.74
Diff. Nova	.	8.9	.	8.8	8.85	0.17	9.02	5.25

	lc1	lc2	mean.	Diff.
g	.	8.3	8.30	0.35
h	.	8.7 8.6	8.60	0.16
s	.	7.9	7.90	0.60
t	.	8.9	8.90	0.33

MC 15337 – Iso. copied

p. c

	lc1	lc2	Cu.	mag.
Nova	.	7.0	–1.55	5.45
e	.	6.2	Diff. – 1.16	
g	.	7.7	– 2.02	
k	.	8.1	–1.84	
l	.	8.9	–2.14	

MC 15062 – Blue light. copied

Nova – diff of p. c.

	g		lv	mean.	Cu.	mag.	Subt 3.74
	.	7.2	.	7.3	7.25	– 0.05	7.20	3.46

Comp ~~Stars in p. c~~

	p. C. lc1		lc2	mean.	Diff.
k	5.6 5.8		5.9	5.85	0.49
l	6.2 6.4		6.6	6.50	0.30
m	.		7.5	7.50	– 0.17
n	.		7.8	7.80	– 0.18
o	.		7.9	7.90	0.00

3:13

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Monday Feb. 24, 1919

Nova Aquilae No. 3

3:13

MC 15066 — Blue light copied. L.W.

Scale M

Nova — Diff Dm of p.c.	g	h	mean.	Cu.	mag.	Subt. 3.74
&	7.6	7.6	7.60	0.34	7.26	3.52

Comp. stars

	p. c.			Diff.
	Sc 1	Sc 2		
k	5.0 5.2	5.2	5.20	1.14
l	5.8 6.0	5.7	5.85	0.95
m	6.6 6.8	6.7	6.75	0.58
n	.	7.0	7.00	0.62
o	X	7.7	7.70	0.20
p	.	8.1	8.10	0.24

MC 15068 - Blue light copied

Nova - Diff Dm of p.c.	g	h	mean.	Cu.	mag	Subt. 3.74
	7.5	7.6	7.55	0.43	7.98	4.24

Comp. stars p. c.

	Sc 1	Sc 2		Diff.
k	4.9 5.1	5.2	5.15	1.19
l	5.5 5.7	5.7	5.70	1.10
m	6.4 6.6	6.5	6.55	0.78
n	6.9 7.1	7.1	7.10	0.52
o	.	7.4	7.40	0.50
p	~~7.0~~ * 8.0	X	8.00	0.34
q	~~8.5~~	8.5	8.50	0.19

3:30

* Looked up plate — error of unit in reading.

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Monday Feb 24, 1919
Nova Aquilae No. 3

3:30 MC 15069 – Dso. copied. d. IV

Scale M

Diff. nova	g 5.10	h 5.15	mean.	Cu.	mag.	Subt. 3.74
	5.1 4.9 5.1	4.9 5.2	5.12	3.23	8.35	4.61
				Diff.		
n	3.8 4.0	4.1	4.05	3.77		
a	4.6 4.8	4.6	4.70	3.14		
p	4.2 4.4	4.5	4.45	3.62		
q	5.6 5.8	5.9	5.85	2.80		
r	5.8 6.0	5.9	5.95	2.81		
s	5.1 5.3	5.2	5.25	3.25		
t	6.8 7.0	7.1	7.05	2.18		

MC 15335 – Dso Slide No 3721 copied.
1m Eyk – Diff Dm. n.s.
3m Eyk

Diff Nova	g	h	mean.	Cu.	mag.	Subt. 3.74
	8.5	8.6	8.55	0.68	9.23	5.49
				Diff		
q	7.4			1.25		
r	7.6			1.16		
s	~~6.3~~	6.3		2.20		
t	8.5			0.73		
u	9.5			0.26		

Scale N. AC 20432 – Dso. copied.

	a	b	c	mean.	Cu	mag
nova	4.5 4.3	4.6 4.2	4.2	4.23	0.54 e	4.77 e
d	3.1 2.9	3.4 3.0	B.	2.95	diff. dbl.	
e	5.0 4.6		4.6	4.60	0.44	
f	5.9 5.5		5.4	5.45	0.20	

3:50

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Thursday Feb. 27, 1919

copy for H

Mira Oj. no. 3 — 19 Plates — No plates meas. dating after June 30, 1918

3:30

Stars marked are M 11895 (June 8, 1918)

✓	M 11895	0.60
✓	M 11891	n.r.
✓	M 11910	2.20
✓	M 11913	Fogged by moonlight
✓	M 11916	2.4
✓	M 11897	0.8
✓	M 11911	2.4
✓	M 11908	Not possible to est. — Probably cloudy in one region and not in other.
✓	M 11907	1.3?
✓	M 11893	nothing on plate in $18^h 50^m$ strip — note in Record book says — "2nd Com. has been running very irregularly if at all"
✓	M 11902	1.4?
✓	M 11901	1.1?
✓	M 11899	1.2?

4:00

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