KG
11365
640

12" Polar

Telescope

Dec 1917

Jan 1919

KG 11365,640

KG 11365.640

25 21
66 41
103 37

HARVARD
UNIVERSITY
LIBRARY
JUL 2 1956

21585 ✓

Stat. Dec. 22, 1917

12" Blas

LCCB

6 06 S S Cygni 213843 est 11.6

R Persei 032335 est

6 20 Var. certainly bright = 10.0

2	75	C
1	12	B
1	24	V
1		Hw
1	29	Wo

21586 ✓

Sun. Dec 23, 1917

12" Polar

L.C. Obs.

6 03 SS Cygni 213843 est 11.3

Z Delph 202817 est 12.2

S Delph 203816 est 11.8

Y Delph 203611 est V[illegible] only = 13.0

T Aquar 204405 est 7.6 R4

W Aquar 204104 est 11.6

X Delph 205017 est 8.8

RS Aquarii 210504 est 10.8

R Equulei 210812 est 10.8

R Aquarii 210903 est <12.8

X Pegasi 211614 est 10.7

RR Pegasi 214024 est 12.6

V Pegasi 215605 est 10.4

✓ Dec. 23. 1907

L.C.Ch.

RT Pegasi 215934 est 10.2

T Pegasi 220412 est <12.8

Y Pegasi 224613 est 13.0

RS Pegasi 220714 est 12.7

S Lacertae 222439 est 12.7

RV Peg 222129 est <12.8

> 00 W Pegasi 231425 est 12.1

S Pegasi 231508 est 8.6

Z Cass 233956 Est 10.8

RR Cass 235053 est 10.6

R Cass 235350 est 11.8 R 6

Z Pegasi 235525 est 10.3 R 4

~~R~~ Y Cass 235855 est 13.0, diff

> 45 SS Cygni 060547 est <12.8

27 102 c
— 12 β
— 24 V
— 29 Her
— WO

4

21589 ✓

Wed. Dec. 26, 1917.

12" Polar
L.C. Obs.

9 38 SS Aurigae 060547 est <12.6

RR Persei 022150 est 10.4 R 5

Y Persei 032043 est 9.1 R 6

T Tauri 041619 est 10.8

W Tauri 042215 est 12.3 Very diff
Bright Moon nearby

S Aurigae 052034 est 8.6 R 7

10 00 W Aurigae 052036 est 10.0 R 4

RR Tauri 053326 est Too near moon

U Lyncis 063159 est 9.3 R 5

X Gemi 064030 est 8.3 R 4

W Monoc 064707 est 9.9 R 5

Y Monoc 065111 est 11.8

✓

Dec. 26, 1917

L.C.Ob.

X Monoc 065208 est 7.0

V Can Min 070409 est 11.1

U Can Min 073508 est 10.4

S Gemini 073723 est 9.1

RT Hyd. 082405 8.2 R5

~~ttt~~

10 35 More haze & clouds. Ob. too difficult.

/6 118 c
12 B
24 V
29 Hw
WO

2159 ✓

Sat. Dec. 29. 1917

12" Polar

T = − 5° ± F

7 18 SS Cygni 213843 11.5 L.C.
— — — 11.2 Sp.

" 30 SS aurigae 060547 est <12.6 L.C.

R Pegasi 230110 est 7.9 L.C.
7 50 — — — 8.2 Sp.

7 58 T = − 9° F

8 07 ST And 233335 est 10.4 L.C. R 6
— — — 10.5 Sp

8 12 T Androm 001726 est 9.5 L.C.
— — — 9.6 Sp.

✓

Dec. 29 - 1917

L.C.Elb.

o Ceti 021403 Phot R. Sp Rec.

~~S.T.~~ Index L o a.

8h 28m = 122.8 < Var dis
– 144.6 21.8
– 303.3 17.9
– 321.2 39.7 — 3.79

122.5
137.4 14.9 – 4.12
304.4 14.5
318.9 29.4 – 4.40

India. R to B Mean = –4.12
33.6 Comp ✱ = 9.19
48.3 14.7 Magn = 5.07
210.9 16.5
227.4 31.2 –4.32

–4.12–

35.1
52.2 17.1
210.2 20.2
8h 33m 230.4 37.3 – 3.92

5 123 C
– 12 B
– 24 V
– 29 HW
– – WO

21594 ✓

Mon Dec. 31, 1917

12" Polar

6 30 ~~LC Clb~~ Temp = +2°F

6 38 SS Cygni 213843 est 11.5 LC

6 40 SS Aurigae 060547 est <12.8 LC

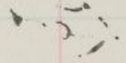
7 00 SS Cygni 213843 est 11.4 Woods

SS Cygni 213843 est 11.6 M.A.H.

7 20 Z And 232848 est 8.5 LC

232848 est 8.6 M.A.H.

9:10 S Aurigae 152034.1 est 9.0 M.A.H.



3	126	C
–	12	B
–	24	V
3	32	Hw
1	1	Wo

21595 ✓

Tues. January 1, 1918

New Years

6 55 T = +2° F.

12" Polar

7 01 SS Cygni 213843 est 11.5 L.C.

7 05 SS Aurigae 060547 est < 12.8 L.C.

Telescope moves very hard & circles very uncertain.

SU Tauri 054319 est

7 20 Circles too uncertain to identify region with accuracy.

Z Z C

Led.

21598

Fri January 4, 1918

12" Polar

L C Obs.

6 41 SS Cygni 213843 est 11.4

6 52 SS Aurigae 060547 est <12.8
Haze in this region

7 07 X And 001046 est 12.2

7 17 R Persei 032335 est 8.9
Troubled by clouds & haze.

R Pegasi 230110 est

7 30 Too cloudy

8 00 Too cloudy

9 00 Too many scattered clouds

4 6 C

L

V 21600

Sun. Jan. 6, 1918

12" Polar L.C. Obs.

6 02 SS Cygni 213843 est 11.4 L.C. jr. Rec

SS Aurigae 060547 est 13.3 ✓

6 25 $\frac{0128}{437}$

Var. surely seen. L.V. 13.5

& probably rising.

7 12 SS Aurigae 060547 est 13.1 ✓

6 28 R.R. Pegasi 214024 est. 13.2

V Pegasi. 215605 est. 11.4

R.T. Pegasi 215934 est. 10.8

S. Lacertae 222439 est. 13.4

R.V. Pegasi 222129 est. 13.5±

R. Lacertae 223841 est. 13.6

W. Pegasi 231425 est 11.2

S Pegasi. 231508 est. 9.5

R. Cass 235350 est. 11.8

Z Pegasi 235525 est. 10.8

Y Cass 235855 est. 13.4

7 00 - S.V. Andr 235939 est. 13.4 L

✓ Jan. 6, 1917

	~~R.V.~~			
	Z Ceti.	010102	est. 12.9	
	V. Z. And	011041	est. 10.0	
	S Pisc	011208	est. 12.8	Hazy
	U Pisc	011712	est. 11.6	
> 50	R. Pisc	012502	est. 12.6	
	R.R. Per	022150	est. 11.2	
	T. Tauri	041619	est. 10.7	
	W. Tauri	042215	est. 12.9	
	R. Tauri	042209	est. 12.7	perhaps glimpsed
	S. Tauri	042309	est. 12.7	
	V. Tauri	44617	est. 13.2	
	W. Aurigae	052036	est. 11.8	
8.28'	S.S. Aurigae	060547	est. 13.0	

Sky More Cloudy

✓ Jan, 6 1918

U Aurigae 053531 est. 10.6

U Orion 054920 est. 12.0

Z Aurigae 055353 est. 9.2

X Aurigae 060450

8.45 Too Cloudy to work

32 3f C L

2160.3 ✓

Wed ~~Tues~~ Jan. 9, 1918

12" Polar

5:30	SS Cygni	213843	est	11.5	M.A.H.
6:30			est	11.5	D.W.B.
	R androm	001838.0	est	11.8	M.A.H.
6:10	T Cassiop.	001755.2	est	9.8	M.A.H.
			est	10.2	D.B.
	R Leporis	045514	est	7.6	M.A.H.
			est	7.7	L.C.
			est	7.7	D.W.B.
6 52	SS Aurigae,	060547	est	10.7	L.C.
			est	10.7	M.A.H.
			est.	10.7	D.W.B.
	R Aurigae	050953	est	9.0	M.A.H.
			est	9.5	D.W.B.
8:00	U Ceti	022813	est	12.0	M.A.H.
			est	11.8	D.W.B.

11.6 faintest Comp. star marked.

			est	12.0	S.C.

3	41	C
6	6	B
—	—	V
—	—	Wo
7	7	Hw

Thurs. Jan 10, 1917 8

✓

12" Polar

5:40	S S Cygni	213843	est	11.5	M.A.H.
6:50			est	11.6	D.W.B.
5:55	S Persei	021558.1	est	9.0	M.A.H.
6:40	V Cassiop.	230759	est	13.0	M.A.H. a little cloudy
			est	12.1	D.W.B.

–	41	C
2	8	B
–	–	V
–	–	Wo
3	10	Hw

L

✓

Friday, Jan. 11, 191~~7~~8

12" Polar

6:15	S aurigae	052034	est	9.5	M.a.H.

Too lazy to continue

—	41'	C
—	8	B
—	—	N
—	—	Wo
/	11	Hw

L

√ 21609

Tues. Jan. 15. 1918

12" Polar

8:30	U Aurigae	053531	est	10.8	M.A.H.
	U Orionis	054920.2	est	<12.7	M.A.H.
	S Aurigae	052034.1	est	9.3	M.A.H.
9:30	SS Aurigae	060547	est	11.1	M.A.H.
	W Aurigae	052036	est	11.8	M.A.H.

~~3~~	41	C
—	8	B
—	—	V
—	—	Wo
5	16	Hu

L

21610 ✓

Wed. Jan. 16, 1918

12" Polar

6:00	S S Cygni	213843.	est	11.5	M.a.H.
6:10	R Androm	001838	est	12.5	M.a.H
	R Pegasi	230110	est	7.9	M.a.H.
	R Arietis	021024.6	est	11.1	M.a.H.
7	R Gem.	070122a	est	9.1	M.a.H.
7:30			est	9.3	D.W.B.
8:10	SS. Aurigae	060547	est.	11.3	D.W.B.
8:50	S Persei	021558	est.	8.8	D.W.B.

3

— 41 C
5— 13 B
— V
— — No
—
5— 21 Hw

Mon. Jan. 21, 1918

2161^{5} ✓

12" Polar

6 00	SS Cygni	213843	est	11.6	M.a.H.
	Z Androm	232848	est	8.4	M.a.H.
	~~R Lyncis~~	~~065355~~			
	~~T Arietis~~	~~024217~~	est	9.0	M.a.H.
	R Lyncis	06~~55~~ 5355	est	9.2	M.a.H.
8.30					
	V Orionis	050003	est	too	[illegible]

— ul a
— 13 B
— — V
— — Wo
H 25 Hu

L

4215

Wed. Jan 23, 1918

2'617 ✓

12" Polar

6:15	T Persei	021558.1	est 8.6	M.A.H.	✓
	S "	——	est 9.0	M.A.H.	
	R Persei	~~021558.1~~ 032335	est 8.2	M.A.H.	✓
7:00	S Persei	021558.1	est 9.1	M.A.H.	✓
8.00	S Aurigae	052034	est 9.2	M.A.H.	✓
			9.1	S.C.	
			8.9	M.V.	

L. C. Olbaum

8 30 R Trianguli 023133 est 11.3 ✓

W Per 024356 est 8.8 ✓

R Leporis 045514 est 7.7 R co ✓

V Orionis 050003 est 12.0 ✓

9 00 T Leporis 050022 est cldy.

Light →

5	46	C
–	13	B
1	1	V
–	–	Wo
5	30	Her

Tues. Jan. 29, 1918

21623

12" Polar

6:15	T Androm	001726	est	8.4	M.A.H	✓
	T Cassiop	0017552	est	9.7	MAH	✓
	RW Androm	004132.1	est	12.2	MAH	✓
7 00	V Androm	004435	est	9.1	MAH	✓
	R Lyncis	065355	est	9.2	M.A.H.	✓
	RS Geminorum	065530	est	12.2	M.A.H.	✓
7:45	—		est	12.4	M.V	
	U Persei	015254		10.7	M.A.H.	✓
	R Arietis	021024		11.3	M.A.H	✓
845	~~U Ceti~~	~~022813~~				
	~~R Tauri~~	~~042209~~				

—	46	C
—	13	B
3	4	V
—	—	Wo
6	36	Hw

R

6" Telescope

✓

Thurs. Jan. 31, 1918

12" Polar

6.00 SS Cygni 213843 est 8.4 ✓ M.A.H.

Y Persei 032043.8 est 9.8 ✓ L

Too cloudy to continue

–	46	C
–	13	B
–	34	V
–	–	Wo
2	36	Hw

✓

21626

Fri: Feb. 1, 1918 -

12" Polar

V Orionis 050003

6 55 est 12.2 L.C.Ob ✓

12.2 M.A.H.

050953 R Aurigae est 10.4 M.A.H. ✓

053531 U Aurigae est 11.1 M.A.H. ✓

053068 S Camelop est 9.3 M.A.H. ✓

070122a R Gemini est 9.4 L.C.

9.8 M.A.H.

053005 T Orionis est 10.3 M.A.H ✓

081617 V Cancri est 12.2 M.A.H.

est 12.2 D.W.B. ✓

8:35 070122a R Gem. est 9.8 D.W.B ✓

9 08 081112 R Cancri est 8.7 L.C.

8.8 D.W.B ✓

9 35 052404 S Orionis est 7.8 D.W.B ✓

3 3 49 C

4 4 13 B

– – 34 V

– – Wo

7 7 48 Hw

L

1

JB 21629

Mon Feb. 4, 1918

12" Polar

Repair light connection.

6:30 R Aurigae 050953 est 9.8 M.A.H. ✓
— 10.4 D.W.B.

W Aurigae 053531 est 11.2 M.A.H. ✓
11.1 L.C.

7 12 SS Cygni 213843 est 8.5 in 6" W Eq ✓
Obs L.C.

7 25 U Gem 074922 est < 12.8 L.C. Obs. ✓
— < 12.8 M.A.H. Obs.

SU Tauri 054319 est

3	6	C
1	5	B
–	–	V
–	–	Wo
3	10	Hw

✓

Tuesday, Feb. 5, 1918

6^{30}

12" Polar

6:15	T Androm	001726.4	est 8.2	m.a.H. ✓
	V Orionis	050003.9	est 12.6	m.a.H. ✓
	R S Gem	065530.7	est 12.7	m.a.H. ✓ Tel. won't move

—	6	C
—	5	B
—	—	V
—	—	Wo
3	13	H—

6⁷ 3

Friday, Feb. 8, 1918 ✓

72" Polar

6:20 T Tauri 041619.³ est 9.6 M.a.H. ✓

7 10 S. S. Cygni 213843 est 8.7 M.a.H. ✓ Obs with 6"
— 8.6 LC 6" Eq.

7 20 U Gemi 0749²² est < 13.3 ✓

LC
MaH
MHV

Charts

9:10 S Orionis 052404 MHV ✓
7.4

~~8:25 R Ceti 022000 est 9.4?~~
~~Region hazy not sure of variety.~~

R Lyncis 065355 MHV ✓
9.6

9.45 R Geminorum 070122 ✓
10.1 MHV

2 — 8
— — 5
14 — 4
— — —
3 — 16

Mon. Feb. 11, 1918

✓ 6?6

12" Polar

6:30 T Cassiop. 001755.2 est 10.8 M.a.H. ✓

6" T Androm 001726.4 est 8.6 M.A.H. ✓

R.W. Androm 004132 est <12.5 M A H ✓

V And 004435 ~~est~~ 10.4 LC ✓

10.2 M.a.H

δ Can. Min + 072708.5 est 11.2 M.a.H ✓

8:45 R Cancri 081112.0 est 9.8 M.a.H ✓

1 - 9

— 5

— - 4

— — —

6 - 22

Wed.
~~Friday,~~ Feb. 13, 1918 ✓

27638

12" Polar

6:40	045514	R Leporis	est	7.4	M.a.H. ✓
	021024.6	R arietis	est	9.5	M.a.H ✓
	065111.4	Y Monoc.	est	13.1	M.a.H ✓
	065208.9	X Monoc.	est	8.1	M.a.H. ✓
	070122.9	R Gem.	est	10.3	M.a.H. ✓
	054920.2	W Orionis ✓	est	11.0	M.a.H.
8:10	050003	V Orionis ✓	est	12.0	M.a.H.
	074922.3	U Gem ✓	<	12.7	M.a.H.
	042215.8	W Tauri ✓	est	11.2	M.a.H.
	063159	U Lyncis ✓	est	11.1	M.a.H.
95	052404.8	S Orionis ✓	est	7.5	M.a.H
4 37 15	071713	V Gem. ✓	est	11.0	M.a.H.
	052034	S Aurigae ✓	est	9.1	M.a.H.
	073723	S Gem ✓	est	10.2	M.a.H.
9:40	085008.8	T Hydrae ✓	est	9.5	M.a.H.

Thurs. Feb, 14, 1918

21639 ✓

12" Polar

6:45	081617.6	V Cancri	est	11.1	M.A.H. Hazy
	032335	R Persei	est	8.6	M.A.H.
	065355.5	R Lyncis	est	9.2	M.A.H.
	073508	U Can. Min.	est	9.5	M.A.H.
	050953	R Aurigae	est	10.6	M.A.H.
7:30					Too cloudy

—	-	9	C
—	-	5	B
—	-	4	V
		—	W₀
5	-	42	Hw

21643

Monday, Feb. 18, 1918

✓

12" Polar

6:40	S Persei	021558	est ✓	9.0	M.a.H.
	W Persei	024356.6	est ✓	8.7 8.6	M.a.H. L.C.
	Y Persei	032043.8	est ✓	9.6	M.a.H.
	X Gem.	064030.4	est ✓	9.5	M.a.H.
7:30 ±	R Gem.	074922.3	est ✓	9.8 ~~10.0~~	M.a.H.
8:03			est	9.6	L.C.
	R Cancri	081112.0	est ✓	9.2	M.a.H.
	V Monoc.	061702.1	est ✓	10.9	M.a.H.
	Z Aurigae	055353.3	est ✓	11.1	M.a.H.
8:45	S Hydrae	084803.4	est ✓	8.0	M.a.H.

2 11 C
– 5 B
– 4 V
– – No
9 51 Har

✓ 21645

Wed. Feb. 20, 1918

12" Polar

6 37	U Gemi	074922	✓	est 11.0	LC
				11.0	M.A.H.
	R Arietis	021024.6	✓	est 9.2	M.A.H.
	Z Aurigae	055353.3	✓	est 11.2	M.A.H.
	X Monoc.	065208.9	✓	est 8.4	M.A.H.
	R Gem.	070122.9	✓	est 10.4	M.A.H.
	R Persei	032335	✓	est 8.8	M.A.H.
	S Aurigae	052034	✓	est 9.1	M.A.H.
	S Orionis	052404.8	✓	est 7.6	M.A.H.
	T Hydrae	085008.8	✓	est 9.6	M.A.H
	R Lyncis	065355.5	✓	est 9.0	M.A.H.
	R Cancri	081112.0	✓	est 8.8	M.A.H.
	S Hydrae	084803.4	✓	est 8.1	M.A.H.
	V Leonis	095421.7	✓	est 9.1	M.A.H.
	R Leonis	094211.9	✓	est 9.0	M.A.H.

Wed. Feb. 20, 1918 ✓

12" Polar

	R Leonis Min.	093934	est ✓	7.2	M.A.H. -
9:00 ½ hr. interruption	X Aurigae	060450	est ✓	9.2	M.A.H.
9:40	T Orionis	053005.5	est ✓	9.7	M.A.H.
	W Monoc.	064707.0	est	9.5	✓ M.A.H.
			est	9.6	M. Harwood
	V Monoc	061702.1	est	11.4	✓ M.A.H.
10 20	V Cancri	081617.6	est ✓	11.1	M.A.H.
				10.9	L.C.

2	13	C
—	5	Bk
—	4	Vn
—	—	Ws
20	71	Hw
1	1	Ha

L

$2\ i\ u\ x^{6}$

Thur. Feb. 21, 1918

12" Polar

Nova Monoc 072206

7 58 $^{(17)}l$ 2, 3 $n^{(19)}$ LC

8 02 $^{(16)}k$ 3, 2 $l^{(17)}$ J. Elw.

8 10 $^{(17)}l$ 1, 4 $n^{(19)}$ LC.

9 00 $^{(18)}m$ 3 Nova 0 $l^{(17)}$ LC

$^{(14)}h$ 6 $k^{(16)}$ 3 $m^{(18)}$ 4 $l^{(17)}$ 4 $n^{(19)}$ 3 $n'^{(25)}$, 5 $n^{(22)}$2 3 $o^{(20)}$ 5 $q^{(26)}$ 4 $r^{(23)}$ 3 $s^{(21)}$ 4 $t^{(24)}$ LC

9 28 $^{(17)}l$ 1 nova 6 $n'^{(25')}$ LC.

Numbers are those assigned by H.S.L. Feb. 23, 1918

4	17	C
—	5	Bk
—	4	Vra
1	1	Wo
—	71	Hw
—	1	Hr

2165

(Tues.) Feb. 26, 1918

√

12" Polar

6:35 045514 R Leporis est 7.2 M.A.H.

6 48 Nova Monoc 072206
est (16) 3, 2 (17) M.A.H.
est (16) 4, 1 (17) L.C.

065111.4 Y Monoc. est 12.8 M.A.H.
Very poor seeing

050003.9 V ~~Monoc.~~ Orionis est 11.0 M.A.H.

054920.2 U Orionis est 10.8 M.A.H.

074922.3 U Gem est < 12.~~4~~7 M.A.H.
12.7 barely seen

073723 S Gem. est 10.8 M.A.H.

064030.4 X Gem. est 10.9 M.A.H

073508 U Can. Min. est 9.8 M.A.H

050953 R Aurigae est 11.1 M.A.H

9.00 072708.5 S Can. Min. est 11.6 M.A.H.
Very bad seeing this evening

✓ (Wed) Feb. 27, 1918

12" Polar

6:40 S Persei 021558 est 9.1 M.A.H.

U Gem. 074922.3 est < 13.9 M.A.H.

Y Persei 032043.8 est 9.4 M.A.H.

Nova Monoc 072206

6 52 k 5, 1 l RC
(6) (17)

k 4, 1 l MAH.

U Lyncis 063159 est 11.4 M.A.H.

W Monoc 064707.0 est 9.8 M.A.H.

V Aurigae 061647.8 est 10.7 M.A.H

V Gem. 071713.3 est 12.2 M.A.H.

W Tauri 042215.8 est 10.7 M.A.H.

8:00 X Monoc 065208.9 est 8.3 M.A.H.

2 19 C
— 5 Bk
— 4 Vm
— 1 Wo
21 92 Hw
— 1 Hr

1 Tues. Mar. 5, 1918

12" Polar

L.C.Ub

8 07 Nova Monoc ~~17~~

(17) 3, 1 (19)

Clouds approaching, care used

1 1 L.C.

✓

Friday, Mar. 8, 1918

12" Polar

6:45	U Orionis	054920.2	est	10.4	M.A.H.
	V Orionis	050003.9	est	9.9	M.A.H.
			est	10.2	L.C.
7 11	Nova Monoc	072206	est	(17) 3, 3 (20)	L.C.
				(16) 4, 1 (17) 2 (20)	M.A.H.
	X Aurigae	060450	est	8.5	M.A.H
	S Aurigae	052034.1	est	9.1	M.A.H.
7 30	R Cancri	081112.0	est	8.7	M.A.H

2 3 L.C.

6 6 Hw

2164x

✓

Monday, March 11, 1918

12" Polar

7 00	065208.9	X Monoc.	est	9.0	M.a.H.
	053005.5	T Orionis	est	9.7	M.a.H
	052404.8	S Orionis	est	7.9	M.a.H.
	085008.8	T Hydrae	est	9.3	M.a.H -
7 45	060547	SS Aurigae	est	<12.3	LL
	064707.0	W Monoc.	est	9.7	M.a.H.
	061702.1	V Monoc.	est	12.0	M.a.H.
	073723.9	S Gem.	est	11.5	M.a.H.
	081617.4	V Cancri	est	9.5	M.a.H.
	072708.5	S Can. Min.	est	12.1	M.a.H.
	073508	U Can. Min.	est	9.7	M.a.H -
	094211.9	R Leonis	est	8.2	M.a.H.
	071713.3	V Gem.	est	13.0	M.a.H.

March 11, 1918

12" Polar

	093934	R Leonis Min.	est 7.4 M.A.H.
	065111	Y Monoc	est 12.5 M.A.H.
9:35	082405	RT Hydrae	est. 7.5 M.A.H.

(1) (4) L.C.
(15) (21) Hw

✓ (Fri.) March 15, 1918

12" Polar

7 00	SS Aurigae	060547	est <12.6	M.A.H.
	R Lyncis	065355.5	est 8.9	M.A.H.
	U Orionis	054920.2	est 10.3	M.A.H.
		I give up. Seeing positively n.g.		
~~8 15~~	~~S Hydrae~~	~~084803~~		
9 05	SS Aurigae	060547	est <13.3	L.C.

1 5 L.C.

3 24 MAH.

21669. ✓

Stat. March 16, 1918

12" Polar

L.C. Obs. Copied from memory, Mar. 18, 1918

> 20 SS Aurigae 060547 est <13.3

> 22 U Geminor. 074922 est <13.3

> 24 Nova Monoc. 072206 est 9.6

3 8 LC
— 24 MH.

2'67' ✓

Monday, March 18, 1918

12" Polar.

6:50	S S aurigae	060547	est	<12.4	M.A.H.
7 00	—	—	—	<13.1	L.C.
	S Orionis	052404.8	est	7.8	M.A.H
	X aurigae	060450	est	8.5	M.A.H.
7 05	Nova Monoc	072206	est	9.6	L.C.M.
				9.7 ~~9.8~~	MAH
	S aurigae	052034	est	8.6	M.A.H.
	T Orionis	053005.5	est	10.0	MAH
	Z aurigae	055353.3	est	11.0	MAH
	065208.9	X Monoc.	est	8.6	MAH
	R Gem	070122.9	est	11.0	MAH
	S Gem.	073723.7	est	11.8	MAH.
	V Orionis	050003	est	9.7	M.A.H.
	S Hydrae	084803	est	9.8	M.A.H.
	RT Hydrae	082405	est	7.7	M.A.H.

Mon. March 18, 1918

✓

12" Polar

072708.5 S Can. Min. est 12.3 M.A.H.

U Can. Min. 073508 est 9.9 M.A.H.

Y Monoc. 065111.4 est 11.9 M.A.H.

R Leonis Min. 093934. est 7.8 M.A.H

R Leonis 094211.9 est 8.4 M.A.H

V Cancri 081617.6 est 9.0 M.A.H.

R Cancri 081112.0 est 8.4 M.A.H.

T Hydrae 085008.8 est 9.3 M.A.H.

V Gem. 071713.3 est <12.4 M.A.H.

V Leonis 095421.7 est 8.6 M.A.H.

10:00

2 10 L.C

2 3 47 M.A.H.

2no72 ✓

Tuesday, March 19, 1918

12" Polar

U Orionis 054920 est 9.9 M.a.H.

7 00 SS Aurigae 060547 est <12.4 L.C. & M.A.H.

Nova Monoc 072206 est 9.7 L.C.

9,6 M.a.H.

R aurigae 050953 est 11.7 M.a.H.

X Gem. 064030.4 est 12.3 M.a.H.

Moon pretty bright

W monoc. 064707.0 est 10.0 M.a.H.

T Cancri 085120.2 est 8.4 M.a.H.

Z aurigae 055353.3 est 11.3 L.C.

R Can. Min 070310.2 est 8,5 M.a.H.

9:00 T Can. Ven. 122532 est 10.9 M.a.H.

3 13 L.C.

9 56 M.A.H.

2.613 ✓

Wed. March 20, 1918

12" Polar

7:00	SS Aurigae	060547	est	<12.4	M.A.H.
	R Leporis	045514	est	7.6	M.A.H.
	W Tauri	042215.8	est	10.4	M.A.H.
	V Tauri	044617.4	est	11.6	M.A.H.
	R Orionis	045307.9	est	11.4	M.A.H.
	R. Lyncis	065355.5	est	9.2	M.A.H.
	Nova Monoc.	072206	est	9.6	M.A.H.
	S Hydrae	084803.4	est	9.7	M.A.H.
	RT Hydrae	082405	est	8.0	M.A.H.
8:45	R Leonis Min.	093934.	est	7.7	M.A.H.

Too cloudy to continue

10 66 M.A.H.
— 13 L.C.

21616 ✓

Sat. Mar. 23, 1918.

12" Polar

L.C. Obs.

8 13 SS Aurigae 060547 est <12.6

8 15 Nova Monoc 072206 est 9.8

Copied from memoranda

15 LC

2

66 MAH.

2:1471

Sun
~~Mon.~~ Mar 24, 1918.

12" Polar.

L.C. Ob.

7 02 SS Aurigae 060547 est <12.5

1 16 L.C.
– 66 M.A.H.

21679 ✓

Tues. March 26, 1918

12" Polar

7:25	SS aurigae	060547 (if seen)	est	12.8	M.A.H.
		if seen	est	12.9	L.C.
	U Orionis	054920	est	10.2	M.A.H.
	R aurigae	050953	est	12.0	M.A.H.
	S aurigae	052034	est	8.9	M.A.H.
	X aurigae	060450.2	est	8.5	M.A.H.
	S Orionis	052404.8.	est	7.9	M.A.H.
	U Can. Min	073508	est	9.7	M.A.H.
	R Can. Min	·070310.2	est	8.5	M.A.H.
	T Cancri	085120.2	est	8.4	M.A.H.
	T Hydrae	085008.8	est	8.7	M.A.H.
	V ~~Hydrae~~ Cancri	081617.6	est	8.9	M.A.H.
	R Leonis	094211.9	est	7.9	M.A.H.
	V Leonis	095421.7	est	9.2	M.A.H.
	R Cancri	081112.0	est	7.4	M.A.H.

a1679 ✓

Tues. Mar. 26, 1918

12" Polar

	R Leonis Min	.093934	est 7.5	M.A.H.
	RT Hydrae	082405	est 7.8	M.A.H.
9:30	S Hydrae	084803	est 10.0	M.A.H.

1 17 LC
17 83 M.A.H.

2,680

Wed: March 27, 1918

12" Polar

7:10	SS Aurigae	060547	est	11.9	M.A.H.
7:23				12.0	L.C.
	W Tauri	042215.8	est	10.4	M.A.H.
7:55	V Tauri	044617.4	est	10.2	M.A.H.
	R Tauri	042209.9	est	9.9?	clouds came in too fast

G M T. seen
P
13 25 41
Reappearance of Jup. I Sat, seen at $8^h:25^m:5^s$ through gap~~ing~~ in clouds. Watch used = 36^s slow

8:40 ~~05~~ V Orionis 050003 est 9.1 M.A.H.

1 (18) L.C.
5 (88) M.A.H.

2,681 /

Thurs. March 28, 1918

12" Polar

7:05 SS Aurigae 060547 est 10.8 M.A.H.
— — est 10.6 L.C.
S Tauri 042209.9 est ~~11.9~~ M.A.H
Probably misidentified
R Orionis 045307.9 est 11.4 M.A.H
7:15 T Tauri 041619.3 est 9.8 M.A.H.
> x6 Nova Monoc. 072206 est 9.8 L.C.
— — — — 9.7 M.H.V.
9.7 M.A.H

~~V Aurigae 061647~~

8:40 R Leonis minoris 093934
7.6 M.H.V.
9:00 R Cancri 081112 7.8 M.H.V.
9:15 V Cancri 081617 8.6 M.H.V.
9.1 seems < 9.3
10:00 RT Hydrae 082405 7.4 M.H.V.

2 20 L.C.
5 9^3 M.A.H.
5 5 M.H.V.

2168

Friday, Mar. 29, 1918

12" Polar

7:04	S Aurigae 060547	est	10.6	L.C.
			10.6	M.A.H.
	Y Monoc. 065111.4	est	11.3	M.A.H.
	W Monoc 064707.0	est	10.0	M.A.H.
7:20	U Puppis 075612.6	est	10.7	M.A.H.
Interrupted 8:15	X Gem. 064030.4	est	13.0	M.A.H.
	U Virginis 124606.1	est	<13.2	M.A.H.
	T Can. Ven. 122532	est	11.1	M.A.H.
	R Virginis 123307	est	10.0	M.A.H.
	RU Virginis 124204.7	est	11.1	M.A.H.
9 50	S Can. Min. 072708.5	est	12.7	M.A.H.

Lights

1	21	L.C.
10	103	M.A.H.
–	5	M.H.V.

Sat Mar 30, 1918

12" Polar

L.C. Obs J.S.W. Rec

7 17 S S Ampere 060547 est 10.6 Hazy

Eunomia Phot R

Index to West

7:31:46 189.4 Lcomp * dir.
228.4 39.0
16.3 24.6
40.9 63.6 +2.73

190.4
226.2 35.8 +2.70
13.6 29.7
43.3 65.5 +2.66

Index to East Mean = +2.92
182.2
136.9 34.7
285.2 22.2
307.4 56.9 +2.98

103.6 3.14
129.8 26.2
12 34 39 288.8 23.4
312.2 49.6 +3.29
7:37:05
7:34:26 2168~~4~~3. 517

Mar. 30, 1918

· focus altered

44:09 7: ~~48:44~~	Index to East			
	~~129.4~~			II
	288.8			
	305.2	164		
	106.3	25.3		
	131.8	41.9	+3.67	
	286.7			
	308.8	22.1	3.54	
	106.8	25.0		
	131.8	47.1	+3.40	
	Index to West			Mean = +3.08
	193.7			
	222.0	28.3		
	10.8	32.8		
	43.6	61.1	+2.82	
	185.2		2.63	
	227.2	42.0		
	11.4	30.0		
7: 49: 07	41.4	72.0	2.44	

7: 46: 38
,13

8
12 46 57

21683 533

Mar 30, 1918

	Index to West			III
7:51:48	190.8			
	225.5	34.7		
	10.6	32.0		
	42.6	66.7 +2.62		
	188.2			
	225.6	37.4	+2.66	
	12.4	27.3		
	39.7	64.7 +2.69		
	Index to East			Mean = +3.15
	105.3			
	128.8	23.5		
	287.8	21.6		
	309.4	45.1 +3.56		
	106.6			
	128.2	21.6	3.64	
	288.8	18.0		
7:57:05	306.8	39.6 +3.79		
7:54:26				

12:54 39

8 00:00 watch used = 13sec slow by bell

21683.538

Mar. 30, 1918

8:08:45 too cloudy to measure

8:30:00 ~~too~~ cloudy to continue.

1	22
–	103
–	5

21685 ✓

Mon. April 1, 1918

12" Polar

L.C.Ob. J.S.W. Rec.

Beginning tonight all times will be recorded in Greenwich Mean Time G.M.T. ie:- adding (4) four hours to the clock time now in use.

G.M.T. Eunomia Phot R

Same comp stars as last Sat night.

12 ~~13~~ 55 ~~20~~	SS Aurigae	060547	est	11.9	L.C.Ob.
				12.0	M.a.H
	R Lyncis	065355	est	8.2	M.a.H
	U Can. Min -	073508	est	9.9	M.a.H
	R Can. Min.	070310.2	est	8.4	M.a.H.
	085008	~~T~~Hydrae	est	8.6	M.a.H
	R Leonis	094211.9	est	9.0	M.a.H.
	RT Hydrae	082405	est	8.0	M.a.H.
	R Cancri	081112.	est	7.2	M.a.H.
	S Aurigae	052034	est	9.0	M.a.H
	R Leonis Min	093934	est	7.7	M.a.H.

Monday, Apr. 1, 1918

12" Polar

G.M.T.					
14 05	081617.6	V Cancri	est	8.8	M.A.H. -
	S Hydrae	084803	est	9.8	M.A.H.
	V Leonis	095421.7	est	9.5	M.A.H.
	T Cancri	085120.2	est	8.7	M.A.H.
	T Gem.	074323 ~~065208.9~~	est	9.0	M.A.H.
14 45	R Virginis	123307.5	est	? 8.8	M.A.H.

1 1 L.C.
16 16 M.A.H.

21686.

✓

Tues. Apr. 2, 1918

12" Polar

G.M.T.				
12:15	T Orionis 053005.5	est	10.0	M.A.H.
	X Aurigae 060450.2	est	8.6	M.A.H.
12:30	S S Aurigae 060547	est	12.5	M.A.H.
	050953 R Aurigae	est	12.0	M.A.H.
	R Virginis 123307	est	~~9.9~~ 10.6	M.A.H.
			10.7	S.C.
13:15	S S Aurigae 060547	est	12.7	S.C
			12.6	M.A.H.
13 17	Nova Mon. 072208	est	9.9	L.C.
			9.8	M.A.H.
	S Canis Min. 072708.5	est	12.9	M.A.H.
	X Gem. 064030.4	est	13.0	M.A.H.
	T Can. Ven. 122532	est	11.5	M.A.H.
	R Corvi 121418.7	est	10.5	M.A.H.
	RU Virginis 124204.7	est	11.6	M.A.H.
	S Virginis 132706.7	est	9.1	M.A.H.

✓

Tues. April 2, 1918

12" Polar

G M T.

14 : 20 R Can. Venat. 134440.0 est 11.3 M.A.H.

u Puppis 075612.6 est 11.1 M.A.H, Hazy

3 4 L.C.
15 31 M.A.H.

21689. ✓

Friday, Apr. 5 1918

12" Polar

G.M.T.

S aurigae 052034 est 8.7 m.a. H.

12:25 Nova monocerotis 072206 10.1 mHV.

12.40 T Orionis 053005 9.9 mHV.

12.55 SS Aurigae 060547
ns <12.0 mHV.

13:05 Y monocerotis 065111 11.1 mHV

13:17 X monocerotis 065208 8.8 mHV.

13:30 R Geminorum 070122 12.3 mHV.

14:00 U Puppis 075612 11.0 mHV

14:30 X Ursae Majoris 083350
<12.4 mHV.

14:34 R Leonis Minoris 093934 7.9 mHV

14:55 R Corvi 121418 10.6 mHV

15 05 S Virginis 132706 est 8.7 M HV.
est 8.8 L.C.

1 – 5 L.C.
1 – 32 M.A.H.
11 – 11 M.H.V.

2 10 90 ✓

Saturday Apr. 6, 1918

12" Polar.

G.M.T.

13 X:15 U Puppis 075612 Est. 10.7 D.W.B.

13 X:30 Y Aurigae 060450 Est. 8.8 D.W.B.

13 V:45 Y Monocerotis 065111 Est. 11.3 D.W.B.

14 X:30 R Geminorum 070122 Est. 13.3 D.W.B.

— 5 L.C.
— 32 M.A.H.
— 11 M.H.V.
4 4 D.W.B.

Monday April 15, 1918

21699. ✓

12" Polar.

G.M.T.					
12:50	X Aurigae	060450	Est.	8.7	D.W.B.
13 10	SS Aurigae	060547	est	12.8	D.W.B
	—	—	—	12.8	L.C.
13. 25	X Monocerotis	065208	Est	8.3	D.W.B.
13:45	W Puppis	075612	Est.	11.2	D.W.B.
14:00	X Urs. Maj.	083350	Est.	12.6	D.W.B.
14:15	R Cancri	081112	Est.	>7.3 (7.1?)	D.W.B.
14:30	V Cancri	081617	est	8.6	L.C.
		—	—	8.6	D.W.B.

2	7	L.C.
—	32	M.A.H.
—	"	M.H.V.
7	"	D.W.B.

2 1 & 70^3

Friday, April 19, 1918

12" Polar

G.M.T.					
12:25	R Lyncis	065355.5	est	7.7	M.A.H.
	Y Monoc.	065111.4	est	10.8	M.A.H.
	V Aurigae	060450.2	est	8.9	M.A.H
	X Monoc.	065208.9	est	7.9	M.A.H.
	R Gem.	070122a	est	<12.0	M.A.H.
				12.0 barely seen	
	R Can. Min.	070310.2	est	8.2	M.A.H.
13 30	U Can. Min.	073508.6	est.	9.9	M.A.H.

Too cloudy to continue

7 LE
39 M.A.H.
11 M.H.V.
" D.W.B.

2 1 7 0 9.

Thursday, April 25, 1918

12" Polar

12 35 ~~13 05~~	U Orionis	054920.2	est	8.9	M.A.H.
	U Can. Min	073508	est	10.0	M.A.H.
	R Cancri	081112.0	est	7.0	M.A.H.
	V Cancri	081617.6	est	8.3	M.A.H.
	RT Hydrae	082405	est	8.2	M.A.H.
1.3 12	Nova Monoc.	072206	est	10.2	LC
			est	10.3	M.A.H.
	S Hydrae	084803.4	est	10.8	M.A.H.
	T Hydrae	085008.8	est	8.0	M.A.H.
	T Cancri	085120.2	est	8.6	M.A.H.
	R Leonis Min.	093934	est	8.8	M.A.H.
	R Leonis	094211.9	est	6.8	M.A.H.
	V Leonis	095421.7	est	10.9	M.A.H.
	T Gem.	074323	est	9.8	M.A.H.

Thurs. April 25, 1918

12" Polar

14:40	R Serpentis 154615	est	7.0	M.a.H.
	R Coronae Borealis 154428	est	8.6	M.a.H.
15:00	V Coronae 154639.9	est	9.3	M.a.H.

1	8	L.C.
16	5.5	M.A.H.
—	"	D.W.B.
—	"	M.H.V.

2'7'8

Friday, April 26, 1918

12" Polar

12:30	R Can Min. 070310.2	est	8.2	M.A.H.
	R Lyncis 065355.5	est	7.8	M.A.H.
	Y Monoc. 065111.4	est	10.1	M.A.H.
	X Aurigae 060450.2	est	9.0	M.A.H.
	X Monoc. 065208.9	est	7.3	M.A.H.
	X Gem. 064030.4	est	<12.5	M.A.H.
	T Can.Ven. 122532.0	est	11.8	M.A.H.
	R Virginis 123307	est	9.1	M.A.H.
	RU Virginis 124204.7	est	11.6	M.A.H.
	R Corvi 121418.7	est	11.3	M.A.H.
	R Can. Ven. 134440.0	est	11.8	M.A.H.
	S Virginis 132706.7	est	9.1	M.A.H.
14:30	R Bootis 143227.2	est	7.0	M.A.H.

— 8 LC
13 68 M.A.H.
— " D.W.B.
— " M.H.V.

2, 7, 6

Thursday, May 2, 1918

12" Polar.

13:40	073508	U Can Min.	est 9.2 M.a.H.
	081112.0	R Cancri	est 7.2 M.a.H.
	081617.6	V Cancri	est 8.4 M.a.H.
	082405	RT Hydrae	est 8.3 M.a.H.
	084803	S Hydrae	est 11.0 M.a.H.
	085008.8	T Hydrae	est 8.2 M.a.H.
	085120.2	T Cancri	est 8.8 M.a.H.
	093934	R Leonis Min.	est 9.3 M.a.H.
	094211	R Leonis	est 6.3 M.a.H.
	095421.7	V Leonis	est 11.0 M.a.H.
	154428	R Cor. Bor.	est 8.6 M.a.H.
	V Coronae	154639.9	est 10.1 M.a.H
	R Serpentis	154615.4	est 6.3 M.a.H.
14:55	S Virginis	132706.7	est 9.4 M.a.H.

14 14 M.A.H.

2,1717

Friday, May 3, 1918

12" Polar

13:00	R Can. Min.	070310.2	est 8.2 M.A.H.
	T Gem.	074923	est 10.1 M.A.H.

Too cloudy

2 16 M.A.H.

21722 ✓

Wed. May 8, 1918

12" Polar

14:15	S Coronae	151731.7	est 9.6	M.A.H.
	Y Librae	150605	est 9.5	M.A.H.
	R S Librae	151822.6	est 10.5	M.A.H.
	V Virginis	132202.6	est 9.0	M.A.H.

4 20 M.A.H.

Tues. May 14 1918

12" Polar

13 30 R Canis Min. 070310.2 esf R.O M.A.H.

1 – 21 M.A.H.

Titan Nov 25 – Dec 8
day 14

Hyper. Nov 19

Rhea Dec 5 – 20

Dione Dec 8 – 15

93

195
.31
4835
5085
.85
191
955
1528
162.35

Tues. May 14 1918

12" Polar

13 30 R Canis Min. 070310.2 esf 8.0 M.a.f.

1 – 21 M. A. H.

2730

30
100
5) .130
26

39

40.6

9

Tues. May 14 1918

12" Polar

13 30 R Canis Min. 070310.2 esf 8.0 M.A.H.

1 — 21 M.A.H.

2,729 ✓

Wed. May 15, 1918

12" Polar

13:45	R Bootis	143227.2	est	7.5	M.A.H.
	y Librae	150605.6	est	9.1	M.A.H.
	R Leonis Min.	093934	est	9.6	M.A.H.
	R Leonis	094211.9	est	6.1	M.A.H.
	R Coronae	154428	est	8.0	M.A.H.
	V Coronae	154639.9	est	10.0	M.A.H.
	R Serpentis	154615.4	est	7.6	M.A.H.
	V Leonis	095421.7	est	12.2	M.A.H.
	RS Librae	151822.6	est	10.3	M.A.H.
	RZ Scorpii	155823.3	est	9.0	M.A.H.
15:00	S Librae	151520.0	est	11.3	M.A.H.
13 40	U Gemini	074922	est	<10.9	M.A.H.

12 - 33 M.A.H.

Thurs. May. 16, 1918

21730 ✓

12" Polar

14:00	U Gem.	074922.3	est <12.4 L.C. <11.7 M.A.H.
	T Hydrae	085008	est 8.2 M.A.H.
	V Cancri	081617.6	est 8.1 M.A.H.
!	R Cancri	081112.0	est 7.2 M.A.H.
	T Cancri	085120.2	est 8.6 M.A.H.
	S Coronae	151731.7	est 10.0 M.A.H
	S Virginis	132706.7	est 9.8 M.A.H
15:00	S Bootis	141954.3	est 13.1 M.A.H

8 – 4/ M.A.H.
1 – 1 L.C.

Note; Mirror has been resilvered, but varnish evidently poor quality, causing diffraction images to all the brighter stars.

LC

4
1.
3
1
2 1

Thurs. , May 23, 1918

12" Polar

13:14	U Gem. 074922.3	est	9.4	M.A.H.
			9.4	L.C.
	Star d (9.3) 3 b. (9.0) L.C.			
	U Can. Min. 073508.6	est	9.2	M.A.H.
	T Gem. 074323	est	10.9	M.A.H.
	R Cancri 081112.0	est	7.7	M.A.H.
	V Cancri 081617.6	est	8.1	M.A.H.
	T Hydrae 085008.8	est	8.5	M.A.H.
	T Cancri 085120.2	est	8.9	M.A.H
	R Leonis Min. 093934	est	9.5	M.A.H.
	R Leonis 094211.9	est	5.2	M.A.H
	T Ursae Majoris 123160	est	9.5	M.A.H
	R Virginis 123307	est	7.0	M.A.H.
	S Ursae Maj. 123961-6	est	8.4	M.A.H.
	S Virginis 132706.7	est	9.9	M.A.H

2'7 37.8 ✓

Thurs. May 23, 1918

12" Polar

	R Bootis	143227.2	est	8.3	M.A.H.
6	Y Librae	150605.6	est	9.5	M.A.H.
	S Coronae	151731.7	est	10.0	M.A.H.
	U Coronae		est	7.5	M.A.H
	RZ Scorpii	155823.3	est	7.3	M.A.H.
	R Coronae	154428.6	est	7.7	M.A.H.
15:00	R Serpentis	154615	est	7.8	M.A.H.

20 - 61 M.A.H.
1 - 2 L.C.

Note:- Varnish on mirror has been removed, leaving silvered mirror in good condition.

L.C.

2,764.9

Wed. June 19, 1918

12" Polar

Sid. 16:30

15:30	R Coronae	154428	est	7.2	M.A.H.
	R Serpentis	154615	est	9.0	M.A.H.
	V Coronae	154639.9	est	10.1	M.A.H.
	W Coronae Bor.	161138	est	10.7	M.A.H.
	U Herculis	162119.1	est	10.7	M.A.H.
	SS Herculis	162807.0	est	11.7	M.A.H.
	S Herculis	164715.1	est	10.2	M.A.H.
	W Herculis	163137.5	est	8.1	M.A.H.
	RV Herculis	165631.4	est	11.4	M.A.H.
	Z Ophiuchi	171401	est	8.5	M.A.H.
	RU Oph.	172809	est	11.3	M.A.H.
	RT Ophi.	175111.	est	10.0	M.A.H.
	RS Herculis	171723.	est	11.8	M.A.H.
Thick clouds	RY Herc.	175519	est	9.1	M.A.H.

21764.9 ✓

Wed. June 19. 1918

12" Polar

16:15	T Herculis	180531	est 11.0	M.a.H.
	RY Ophiuchi	181103	est 9.9	M.a.H.
	ST Sagittarii	185512	est 12.5	M.a.H.
	R Aquilae	190108	est 8.2	M.a.H.
	R Sagittarii	191019.5	est 12.0	M.a.H.
	S Sagittarii	191319.2	est 10.2	M.a.H.
	RV Aquilae	193509.7	est 12.5	M.a.H.
	T Sagittarii	191017	est 11.6	M.a.H.
	RT Cygni	194048.5	est 7.3	M.a.H.
	X Aquilae	194604.	est 10.1	M.a.H.
	χ Cygni	194632	est 7.5	M.a.H.
	Z Cygni	195849	est 12.2	M.a.H.
	RS Cygni	200938	est 7.5	M.a.H.
	SX Cygni	201130	est 12.8	M.a.H.

2,1764.9 ✓

Wed. June 19, 1918

12" Polar

U Cygni	201647	est	8.4	M.A.H.
T Aquarii	2044055	est	9.0	M.A.H.
S Delphini	203816.7	est	9.5	M.A.H.
V Cygni	203847	est	9.1	M.A.H.
T Delphini	203816.2	est	10.9	M.A.H.

19:45
~~15:00~~
2,1764.0

33 - 33 M.A.H.

21765.8 ✓

Thurs June 20 - 1918

12" Polar L. C. Obs

1345 R Comae 115919 est 8.3
1452
258 w

R Corvi 121418 est 12.7
1454
240 w − 18.5

R Can Ven 122532 est 12.1
1455
230 w

SU Virg ~~122001~~ 120012 est <12.8
1457
237 w +12.0

Y Virg 122803 est 9.3
1458
230 − 3.0

SS Virg 122001 est 8.0
1459
239

R Virg 123307 est 8.3
1500
227

21745.6

June 20 - 1918

U Virg 124606 est 9.0
1502
2 16 W + 6.9

14 00 RW Virg. 124204 est α 3 Var (3rd

V Virg. 132202 est 9.9
1507
1 45 W - 2.6

R Can Ven 134440 est 10.3
1511
1 27W + 40.2

S Virg 132706 est 11.6
1515
1 48 W - 6.0

Z Virg 140572 est 11.3
1517
1 12W - 12.0

R Boots 143227 est 9.9
1518
0 46 W +27.2

June 20-1918

✓

U Bootis 144918 est 11.6

15 19

0 30 +18.1

S Serpentis 151714 est 10.6

15 21

0 4 +14.7

14 17 S Coronae 151731 est 11.3

---

17 - 17 L.C.

— 33 M.A.H.

Friday July 19, 1918 12" Polar

L. C. Obs. SS Cygni - 213843 est = 12.1 R.B.M. Rec.

G.M.T.
14–02–00
exceptionally
very ~~[illegible]~~
faint!

S Cygni 200357 est = 11.7

R Delphini 205008 est = 9.6

W X Cygni 201437b est = 12.5

L Delphini 202817 est

14 20 < 11.8 clouds nearly

5 5 LC

2 1804.8 ✓

Mon. July 29, 1918

P.C. Obs. 12" Polar

14 42 SS Cygni 213843 est 11.4
rising?

ST Cyg. 202954 est 10.7
1846
1432 +54.6

RZ Cyg 204846 est 11.4

15 20 UX Cyg 205030 est 11.8

2 1806. ✓

Wed. July 31 – 1918

L.C.dB. 12" Polar

SS Cygni 213843

14 05 as near as I can make out between gaps in clds

Var = 11.3

✓ Thurs Aug 1, 1918

LC Ob 12" Polar

13 16 SS Cygni 213843 est 10.6 LC.
slow rise.

15 12 SS Cyg 213843 est 10.4 LC

2,1809

Sat Aug 3, 1918

L.C. Olb 12" Polar.

13 06 SS Cyg. 213843 est 9.5 L.C. Olb

Good ob. no clds near by.

Mon. Aug. 5 – 1918

2'8''

L.C. Obs 12" Polar

14 50 SS Cyg 213843 est 8.4

Tues Aug 6 – 1918

2 18 12 ✓

12" Polar

G.M.T.

(2.5) SS Cygni 213843 est 8.6

Wed aug 7 - 1918

2' 8' 3'. ✓ LCCb 12" Polar

13 23 SS Cygni 213843 est 8.4 LCCb.

13 25 Nova aquilae No 3. N.E. LCCb
(3.4) 3, 2 (41) = 3.8

2/18/14

Thur Aug 8, 1918

L.C.Clb 12" Polar

13 25	SS Cygni	213843	est	8.9

2 1 8 18.

Mon. Aug. 12-1918

L.C.Obs. 12" Polar

12 55 SS Cygni 213843 est 10.9

Tues. Aug. 13 – 1918

2 18' 9. ✓

L.C. Obs. 12" Polar

G.M.T.

SS Cygni 213843
12 55 est 11.1

184300
13 43 Nova Aquilae No 3. NE
est (4.5) 1 Nova = 4.6 (L.C.)
14 16 est F.S. (4.1) 4.0 (4.5) L.C.

13 48 162119 U Hercul. est = 8.6

162807 SS Hercul. est = 9.4

163137 W Hercul est = 8.7

164715 S Hercul. est = 8.7

165202 SS Oph. est. = 8.9

14 05 165722 SX Herc. est = Var = 9.0, 4h
"Variable? s.f. SX = a 3 3 b
171723 RS Her. est. = 9.3

172809 RU Oph. est = 9.6

14 10 175111 RT Oph est = 10.9

Aug. 13 - 1918

LC Obs		Variables.		R.B.M. rec.
13 <2	175458	T Draconis	est= [illegible] 13.0	
		Companion to T	= 10.8	
13-47	16 1138	W Coronae	est = 9.7	
	183225	RZ Her.	est=10.9	

(18)

21821.7

Thurs. Aug. 15 – 1918

L.C.Ab. 12" Polar

G.M.T. 12 55 SS Cygni 213843 est 11.5

Obs'd Dec'l = +41.0

Dec circle 3°.6 more South than usual.

∴ Corr to Dec is now 2°.5 South

Vega.

Obs'd Dec = +36.3

Almanac Pos + 38.7

21823.8

Saturday Aug 17, 1918

G.M.T. D.W.B. Obs. 12" Polar.

13:20 Altair

Almanac Dec +8°.6
Observed Dec +5.8

2°.8 more South.

13:45 W Coronae 16 1138 est 11.6 limit vis.

Wrong identification
~~Estimated~~ comp.
star 11.8

9.8 re-identified.

✓

Wed. Sept. 11–1918

L.C. Obs 12" Polar

13 20 SS Cygni 213843
est 10.2

Hazy but obs. carefully made

184300

13 25 Nova Aquilae est 5.0 N.E.
as near as can be est. in hazy sky.

✓ Sat Sept 21 - 1918

LCdb 12" Polar

12 48 SS Cygni 213843 est 11.4

15 00 o Ceti NE. obs = ~~2/4~~ reject wrongly identified.

Sept 27-1918
LC

2'1860 ✓

Mon Sept. 23, 1918

L.C.Ob. 12" Polar

11 55 SS Cyg 213843
est 11.5. Clds near
region of obs. difficult.

2'1861.

Tues Sept 24, 1918

L.C.Ob. 12" Polar

12 10 SS Cygni 213843 est 11.7

2'1864.

Fri Sept 27-1918

12" Polar L.C.Ob.

14 48 SS Cygni 213843 est 11.5

2'1866

Sun Sept 29, 1918

12" Polar

L.C.Ob.

13 12 SS Cygni 213843 est 11.7

21868.

Tues Oct. 1, 1918

L.C.Obs. 12" Polar

13 17 SS Cygni 213843 est 11.7

21871

~~Th~~ Fri Oct. 4, 1918

L.C.Obs 12" Polar

11 58 SS Cygni 213843 est 11.5

21875

Tues Oct 8, 1918

L.C.Obs 12" Polar

11 16 SS Cygni 213843 est 11.6

13 46 TZ Cygni 191350 est = 11.4

~~2204~~ 5

~~HA = 258~~

S.T. 22:09

HA. 2:58 W

Dec. +50.7

at H.A. = Dec'l

at HA 0 = Dec'l +70

= Decl +60

8H East to ~~3h 15m~~ 3.15 W

7h east to 4.15 W Dec'l + 50

5 east to 6.W Decl +40

5 east to 6.15 W Dec +30

100

218751 ✓

~~Tues~~ Oct 8. 1918

	~~4~~5 15 E	to 5 30 W	Decl +20	
	5 20 E	to 5 60 W	" +10	
	5 10 E	4 20 W	" ± 0	
	3 50 E	2 45 W	" − 10	
	3 20 E	1 50 W	− 15	
	2 50 E	1 30 W	− 20	
	2 10 E	1 30 W	− 25	
	Interferes		− 30	
14-63	U Lyrae.	191637	est = 11.4 HA = 3 12 W ST = 22 26 Dec = +37.5	
14-11	TY Cygni	192928	est = 13.5 H.A. S.t. Dec. ?	
14-14	R Cygni	193449	HA 3.5 W ST 22 37 Dec 50.2	est ~~8~~ 4.0
14-16.	Z Cyg	195849	H.A. 2 43. W S.T. 22 39 Dec. +49.5	est = 9.5

Oct., 8, 1918

✓

14-18	S.X. Cygnii	201130		est. 8.8 ← HA. 232 W ST. 2241 Dec 31,2
14-19-30	S Cygnii	200357		est 12.0 ← HA 242. W ST 22 42 Dec 58,4
14-20	V Cygnii.	203847		est = ← HA Dec ST abandoned.

2/18/76.

Wed Oct 9-1918

L.C.Ob 12" Polar

14 06 SS Cyg. 213843 est 11.6

available sky region with eyepiece removed (in daylight)

Decl.	E	W
+67.5	2	to 1
60	7 50	3
50	6 30	4 10
40	5 0	6
30	5 0	6
20	5 15	5 40
10	5 0	5 0
0	5 10	6 20
−10	4 0	2 30
15	3 20	1 40
20	3 20	1 30
25	0 10	1 20
−27.5	0	0

√

21877. Thur Oct 10-1918

L.C.Ob 12" Polar

12 33 SS Cyg 213843 est 11.5

21878 Fri Oct. 11 1918

L.C.Ob

12 40 SS Cyg 213843 est 11.5

Tue. Oct. 15–1918

L.C.Ob. 12'' ~~Phot R~~ Polar
o Ceti.

Index to S W

14 5.0 145.8
153.6 7.8
325.8 ~~8~~.5
334.3 16.3 — 5.74

145.4 — 5.63
154.4 9.0
325.5 9.0
334.5 18.0 — 5.52

Index to N.E. Mean = — 5.58
55.6
63.6 8.0 9.19
236.3 9.3 Mag = 3.61
245.6 17.3 — 5.61

54.7 — 5.54
64.7 10.0
236.2 8.4
14 13.0 244.6 18.4 — 5.47

14 9.0.

21882.

✓ Fair Oct. 8 – 1908

L.C. Elo 12" Polar

) 30 SS Cygni 213843 est 11.5

21883

Sat Oct. 19, 1918

L.C.Obs 12" Polar S.C. Rec.

G.M.T.				
	SS Cygni	213843		
11 23	est	11.5		
	TZ Cygni	191350	est =	
	RT Cygni	194048	est =	11.4
12-54-00	AU Cyg	194348	est =	11.9
	R Delph	201008	est	11.4
	RU Cygni	2008.12	est.	10.1
	SX Cyg	201130	est	8.4
13-00-06	U Cyg	201647	est	7 8.9

Moon at Full.

RBM Rec.

Look at Motor Box

Oct, 19, 1918

U Cygni 2016x)

GMT	Index to SE	Comparison star dis.	Phot. R
13-02-00	285.2		
	13,6	88.4	
	102,8	90.5	
	193,3	178.9	− 0.02
	284.7		
	13,2	88.5	− 0.04
	105,3	88.3	
	193,6	176.8	− 0.06
	Index to NW		Mean = + 0.01
	191.6		777
	283.3	91.7	7.78
	11,8	91.3	
	103,1	183.0	+ 0.06
		177.0	
	196.6		+ 0.06
	289,2	92.6	
	15,3	90.1	
13-10-00	105,4	182.7	
13 6.0		177.3	+ 0.05
13 1.3			

21886

Oct. 19 - 1910

Index SW

GMT ~~Rd~~, 200938 RS Cygni, Phot B

13-21:00 22,8 Comp Standis,

91,6 68.8

202,9 77.5

280,4 146.3 + 0.65

18,2 153.8 + 0.50

99,3 81.1

200,2 80.2

280,4 161.3 + 0.36

Index NE 157.4 mean = + 0.57

290,4 7.25

4,4 73.6 7.78

106,2 79.6

185,8 153.2 + 0.51

291,8 153.1 + 0.52

8,8 77.0

112,2 76.0

13 26 00 188,2 153.0 + 0.52

13 23.5

13 18.8

21886.

Oct 19, 1918

Index East o Ceti

GMT	Index O 21403	Omi Ceti.		Phot R
13 35.0	55.5			
	64.4	8.9		
	234.1	9.7		
	243.8	18.6	−5.63	
	54.4			
	64.9	10.5	−5.40	
	235.3	8.9		
	244.4	19.4	−5.36	
	Index West			
			mean = −5.34	
	334.8		9.19	
	345.1	10.3	magn = 3.85	
	144.8	9.9		
	154.7	20.2	−5.27	
	325.2		−5.28	
	334.3	9.1		
	144.6	10.8		
13 43.0	155.4	19.9	−5.30	
13 39.0				
13 34.8				
21 886.				

Mon Oct. 21-1918

L.C. Obs 12" Polar

11 10 18^{4300} Nova (NE) est 5.4 LC.

11 16 184 SS Cyg. 213843 est 11.5 LC

~~11-21-40~~ ~~223.3~~

Index West Nova Aquilae III Phot. R LC.Obs

11-21-40 223.3 < Nova Di

261.2 37.9

47.2 24.9

72.1 62.8 -2.76

229.2 -2.74

254.8 25.6

42.6 38.4

81.0 64.0 -2.71

Index East mean = -3.50

8.65

5.15

141.8

159.6 17.8

326.2 11.2

337.4 29.0 -4.48

141.7 -4.25

159.8 18.1

322.6 17.6

11-28.00 340.3 35.7 -4.02

11 24 50

21888.

Oct. 21–1914

Nova again

Gmt.	Index E			II
11-33-00	141,6			
	160,0	1 ~~2~~8,4 ✓		
	325,6	14,2		
	339,8	~~42,6~~ ✓ 32.6	− 4.22	
	144,0	✓	− 426	
	154,6	15,6 ✓		
	323,3	15,4 ✓		
	338,7	31,0	− 433	
	Index W		Mean =	− 3.56
	49,7	2 ✓		8.65
	77,6	~~1~~7,9 ✓		5.09
	226,6	30,5 ✓		
	257,1	5 ~~4~~8,4	−2.92	
	47,1	✓	−286	
	73,2	26,1 ✓		
	223,7	35.7 ✓		
11-38-00	258,8	61.2	281	
11.00				
11 35 30				
21888.				

Sl Obs. Oct. 21, 1918 RBM Re

GMT, 13-00-00	193441 Dbly. W	R Cygni	est =	
	139.4 < var dir			
	164.4	25.0		
	315.2	29.7		
	344.9	54.7	− 3.07	
	137.4		3.12	
	164.2	26.8		
	315.3	25.4		
	340.7	52.2	− 3.17	
	Dbly E		Mean =	− 3.21
	46.6			9.90
	71.7	25.1		~~5.8~~ 6.69
	228.4	23.6		
	252.0	48.7	− 3.33	
	49.7		− 3.30	
	74.3	24.6		
	227.5	25.7	− 3.26	
13-44-45	253.2	50.3		
130222				
21888				

Oct 21, 1918

G.M.T. 13-15.00	00/17.55 Index W	T Cas.		Phot R.
	~~20.4~~			
	279.8	107.8		
	17.6 ←	108.3		
		216.1		
	99.4	Var dis.		
	207.7	143.9	+0.70	
	283.2			
	22.2	99.0	+0.54	
	103.8	100.4		
	204.2	199.4	+0.37	
		160.6		
	Index E			Mean = +0.36
	~~284.3~~			787
				~~8.2~~
	14.4			8.27
	108.2	93.8		
	189.2	103.2		
	292.4	197.0	+0.32	
		163.0		
	19.6			
	104.4	84.8		
	194.4	97.8	+0.18	
13.21.00	292.2	182.6	+0.05	
13 18.0		177.4		
21888				

Oct. 21 – 1918

R Androm 00 18 38

comp star = star P

Gmt.	Index→E			
13-30-00	303.6	← var dis.		Phot R
	359.6	56.0 ✓		
	129.6	43.0 ✓		
	172.6	99.0 ✓	— 1.68	
	309.8	✓	— 1.74	
	355.5	45.7 ✓		
	127.7	48.7 ✓		
	176.4	94.4 ✓	— 1.80	
	210.8	✓	mean =	-1.50
	269.4	58.6 ✓		999
	28.6	58.3 ✓		~~82~~
	86.9	116.9 ✓	— 1.26	8.19
	212.2		— 1.26	
	268.2	56.0		
	30.1	61.3		
13-35-00	91.4	117.3	— 1.25	

13 32 5

21888.

Oct. 21-1918

Index N↑ Comp star = 9.4

G.M.T.	00 49 58	W Can.		
13-45-00	201,5	Van dis		
	286,1	84,6 ✓		
	15,3	95.4		
	110,6	180,0	= 000	
	194,4			
	289,2	~~94,8~~		
	23,0	~~78~~	− 0.04	
	103,2	948		
		80,2		
		175.0	− 009	
			Mean =	−0.51
	Index S↓			9.4
				8.9
	123,6	✓		
	180,6	57,0 ✓		
	293,1	71,5		
	364,6	128.5	− 101	
	116,4			
	187,3	70.9	− 098	
	301,4	608		
13-50-45	362,2	131.7	−0.94	
51 45				
13 47 52				
21888.				

Oct 21 1918

o Ceti

Gmt	Index W			Phot R
13-57-00	145.8			
	154.6	8.8		
	324.3	10.1		
	334.4	18.9	− 5.41	
	144.8		− 5.36	
	155.2	10.4		
	325.2	9.5	− 5.30	
	334.7	19.9		
	Index E		Mean =	− 5.42
	54.8			9.19
	64.0	9.2	Magn	3.77
	236.2	9.3		
	245.5	18.5	− 5.46	
	55.1		− 5.48	
	64.4	9.3		
	235.2	8.8		
		18.1	− 5.51	
14-02-00	244.0			
9 00				
13 59.5				

21 fff.

21889

Tues Oct. 22, 1918

L.C. Obs 12" Polar

GMT

11:05 SS Cyg 213843 est 11.5

Nova aquilae No 3 plot R

Index SE

11 10.0 315.6

343.3 27.7

140.4 21.8

162.2 49.5 — 3.29

— 3.38

321.4

340.6 19.2

136.8 26.4

163.2 45.6 — 3.48

Index NW Tr mean = -327

232.2 8.65

257.2 250 5.38

228.2 28.6

256.8 53.6 — 3.11

— 3.16

49.7

75.3 25.6

227.6 25.7

11 11.0 253.3 51.3 -3.22

11 13.5 21889.

2188 9.8 ✓

Oct 22 – 1918

15	10	RR Pegasi	216024	est	13.3
		V Pegasi	215605	est	10.1
		RT Pegasi	215934	est	10.0
		T Pegasi	220412	est	<13.2
		Y Pegasi	220613	est	<13.2
		RS Pegasi	220714	est	13.0
		X Aquarii	221321	est	13.0
		RT Aquarii	221722	est	12.8
		RV Pegasi	222129	est	12.6
		S Lacertae	222439	est	12.7
		R Lacertae	223841	est	<13.0
		S Aquarii	225120	est	9.8
		RW Peg	225914	est	11.1
		R Pegasi	230110	est	12.7

21889. ✓

Oct 22-1918

V Cassiop 230759 est 12.7

W Pegasi 231425 est 12.7

S Pegasi 231508 est 9.7

.8 Z And 232848 est 10.1

ST And 233335 est 11.2

R Aquarii 233815 est 7.1

235053 RR Cas. est 12.5

R Cas 235350 est 11.8

Z Pegasi 235525 est 8.8

16 50 W Ceti 235715 est 11.1

Y Cas 235855 est 9.6

.9 SV And 235939 est 12.8

T And 001726 est 9.1

S Ceti 001909 est 12.7

Oct 22-1917

✓

	U Cass.	004047	est 8.8
	RW And	004132	est 12.7
	V And	004435	est 10.1
	Z Ceti	010102	est 8.9
?	U And.	010940	est 10.5
	UZ And	011041	est 12.1
	U Pisc	011712	est 12.2
	RZ Per	012350	est 12.5
	R Pisc	012502	est 8.9
	Y And	013338	est 9.0
	U Persei	015354	est 9.1
17 20	R Arietis	021024	est 9.2

Wed Oct. 23, 1918

2 1 890 ✓ L.C. Obs. 12" Polar

11 04	SS Cyg	213843	~~et~~ 11.5	

8 9 1
9 0 1,
2 1

Thur Oct. 24, 1918

L.C. Obs. 12" Eq. PMM Rec.

G.M.T.

11 30 SS Cyg. 213843 est 11.4

(o) Omicron Ceti Phot R

	Index West			
13 30.0	145.1		✓	
	156.1	11.0	✓	
	324.4	10.8		
	335.2	21.8		−5.10
	143.8			
	154.8	11.0		~~−5.18~~
	326.2	~~8.6~~		
	~~334.8~~	9.2		
	335.4	20.2		−5.27
	Index East			
	54.8		✓	Mean = −5.12
	65.9	11.1	✓	9.19
	235.6	11.2	✓	Magn = 4.07
	246.8	22.3		−5.05
	53.4			−5.06
	64.2	10.8	✓	
	233.6	11.2	✓	
13 36.0	244.8	22.0		−5.08
13 33.0				

Oct 24-1918

R Arietis 021024 Phot R

13 50 Inst too much covered with dew to continue

892

2 1

Fri: Oct. 25 = 1918

L C Obs. 12" Polar

11 50 SS Cygni 213843 est 11.8

Thurs. Oct. 31-1918

LCOb. 12" Polar

12 18 SS Cygni 213843 est 11.4 LC

13 00 — — — 11.6 Jordan M.J.
11.5 Reardon

18 99.

Fri Nov 1 — 1918

L.C. Ob. 12" Polar

G.M.T.

12 05 SS Cygni 213843 est 11.2 — unif.?

14 55 SS Cyg 213843 est 11.0

o Ceti 021403 Phot R.

~~P.A.~~ Index W

15-00-00 323.6

336.2 12.6 ✓

145.0 10.2 ✓

155.3 22.8 ✓ — 5.00

323.3 ✓

334.3 11.0 ✓ — 5.04

143.8 11.0

154.8 23.0 — 5.08

Index E Mean = — 5.08

235.2 9.19

245.2 10.0 ✓ 4.11

53.3 12.8 ✓

65.1 22.8 ✓ — 5.00

234.6 ✓ — 5.13

244.3 9.7 ✓

54.2 10.6 — 5.26

15-05-45 64.8 20.3

15 02 52

15:20 o Ceti NE = 4.1 LC
4.1 RBM.

Sat Nov. 2-1918

L.L. Obs. 12" Polar

15– 45. SS Cygni 213843 est 8.8

~~P.a.~~ Same ~~with~~. Plot R.
Comp with the (8.5)

P.a. NE

15–540 9.2 ~~SS Dis~~ comp * dis
97.2 880
200.2 814
281.6 169.4 +0.20
16.6

99.8 832 +0.19
197.2 872
284.4 170.4 +0.18

P.a. SW
289.8 mean = +0.28
373.6 838 8.50
119.6 726 8.78
192.2 156.4 +0.45

292.8 +0.37
368.8 76.0
107.6 88.7
16 6.0 196.3 164.7 +0.29
16 0.0

21900.

3
21903 ✓

Tues. Nov 5 – 1918

Gmt L.C.Clb. 12" Polar

13 0 3 SS Cygni 213843 est 8.3 LC.

Same with * 85 Phot R.

Pa. < ~~SS~~ dis

13 7.0 277.6 ✓

239 106.3

97.4 107.6

205.0 213.9 * − 0.65

281.4 146.1

20.6 99.2 − 0.48

105.6 97.6

203.2 196.8 * − 0.32

163.2

Pa. mean = − 0.45

194.8 8.50

290.2 95.4 8.05

11.4 105.8

117.2 201.2

158.8 * − 0.60

191.4 − 0.42

295.2 103.8

12.2 105.0

13 15.0 112.2 203.8 * − 0.45

156.2

13 11.0

SS Cygni the brighter

21903

✓ Nov 5—1908

G.M.T. o Ceti 021403 at 4.2

~~14~~	P.A. West			
14 30.0	143.8			
	156.3	130		
	324 2	10.6		
	334 8	23.6	— 494	
	143.3		— 490	
	156 0	127		
	323.6	117		
	335.3	244	— 486	
	P.a East			
	53.8		mean =	— 496
	64.7	10.9		9.19
	234 8	10.6	mag.	4.23
	245.4	21.5	— 513	
	53.3		— 502	
	65.8	125		
	234 6	112		
14 40.0	245.8	237	— 492	
14 35.0				

2180 3

Nov. 5 – 1908.

021024 R Arietis   Phot R

Gmt   P.a. East

15 00.0   52.2 ∠ comp × dis = +24.329   5.64
69.8   17.6
232.4   17.0
249.4   34.6   + 4.09

52.2   + 3.96
70.6   18.4
231.3   20.3
251.6   38.7   + 3.84

P.a. west   Mean + 3.86
320.0   5.64
339.6   19.6   9.50
139.8   22.2
162.0   41.8   + 3.67

320.2   + 3.76
340.2   20.0
141.2   18.4
15 7.0   159.6   38.4   + 3.86

15 3.5

21903.

2 1 9 0 5

Thur Nov 7 - 1918

L.C. Obs. 12" Polar

11 49 SS Cygni 213843 est 8.4

Same Phot R.

P.a NW

11 52.0 285.8

371.8 86.0

108.8 79.2 −0.28

188.0 165.2

304.6 −0.42

369.8 65.2

110.4 85.4

195.8 150.6 −0.56

P.a. Mean = −0.46

8.50

8.04

200.2

279.4 79.2

23.6 74.0

97.6 153.2 — 0.51

203.0

286.6 83.6 — 0.51

31.2 69.6

11 59.6 100.8 153.2 — 0.51

7 6

11 55.8

21905

Nov. 7, 1918

Nova aquilae No 3.

	P.a. SE			Phot R.
12 5.0	136.6 < Nova dis			
	158.6	22.0		
	318.4	28.4		
	346.8	50.4	−3.25	
	139.3		−3.22	
	164.8	25.5		
	317.6	26.2		
	343.8	51.7	−3.20	
	P.a. NW		Mean =	−3.30
	50.2			8.65
	74.8	24.6		5.35
	231.3	21.7		
	253.0	46.3	−3.44	
	50.2		−3.37	
	74.0	23.8		
	232.4	25.6		
12 13.0	258.0	49.4	−3.30	

12 9.0 Troubled by clouds

21905.

√

Victory Day

Mon Nov. 11, 1918

L.C. Allen 12" Polar R.C. Jr Roe

11 32 ~~Nova~~ SS Cyg. 213843 est 8.3

SS Cygni with 8.5 Phot R

G.M.T. Pa. N.W.

11-33-45 102.2 < Vanders

201.2 990

287.3 891

16.4 1881

1719 +0.15

104.7 +0.08

199.7 950

288.8 862

15.0 1812 +0.02

1788

Pa. S. E Mean - * - 0.08

24.7 850

103.8 791 8.42

191.8 976

289.4 1767 — 0.06

19.8

105.2 854 — 0.23

43 203.2 734

11-38-15 276.6 1588 —0.40

1141.0 21909.486

Nov. 11-1918.

Nova aquilae No. 3. Plot R

GMT	Comp with 8.65		
	Pa S.E		
11-56-20	137.6		
	164.6	270	
	320.3	231	
	343.4	501	-327
	139.8		-3.20
	164.8	250	
	316.4	280	
	344.4	530	-314
	Pa N.W.		Mean = -3.27
	44.8		8.65
	73.2	28.4	Magn = 5.38
	230.2	21.9	
	252.1	50.3	-3.26
	50.7		-3.34
	69.2	18.5	
	224.8	28.0	
12 01 0 11-51-0	252.8	46.5	-343

11 58.7

21909.500

✓

Nov. 11–1918.

T Herculis 180531 Phot R.

G.M.T. P.A. East with * b (11.0)

12–14–10 ~~[illegible]~~

29.8 < Var dis

~~60~~ 598

89.6 555

210.7 115.3 —1.30

266.2

32.2

83.2 510 —1.36

209.7 58.7

268.4 109.7 —1.42

P.A. West mean = —1.29

299.4 11.0

368.2 688 magn = 9.7

122.8 549

177.7 123.7 —1.17

1.22

303.3

364.3 610 —

127.3 551

12–22–25 182.4 116.1 —1.28

RS Lyrae 190933 est 11.5

✓ Nov. ~~11~~ 11-1918.

RU Lyrae 190941 est 11.2

G.M.T. R Cygni 193449 Phot R

23 16

3 42 W +50

P.A.=N.W.

12-42-25 316.6 ∠ van dis

345.1 28.5

136.2 29.5

165.7 58.0 -2.94

-2.94

318.4

344.7 263

136.7 315

168.2 578 -2.94

Mean 3.02

P.A.=S.E. 9.90

228.8 Magn = 6.88

255.6 26.8

44.8 266

71.4 534 -3.12

226.4 -3.10

252.2 25.8

45.8 28.4

12-46-25 74.2 542 -3.09

12 44 25 21909

✓

Nov. 11 – 1918

	Z Cygni 195849 with 9.6			Plot R
	Pa = South			
13 145	290.7 (Var dis			
	369.8	791		
	117.8	646		
	182.4	143.7	— 0.70	
	297.2		— 0.75	
	361.8	646		
	114.2	742		
	188.4	138.8	— 080	
	Pa = North		mean — 0.70	
	204.4		9.62	
	278.8	744	magn = 8.92	
	28.8	656		
	94.4	140.0	— 0.77	
	206.0			
	282.7	767	— 0.64	
	23.3	768		
13 220	100.1	153.5	— 0.50	
13 19.2				

21909.555

Nov. 11-1918

δ Aquilae 200715a   Plate R

Gmt.   Comp with (h 9.4)

Pa W.

13-30-0   190.5 < readings
293.8   1033
8.9   1022
111.1   205.5
1566   +0.49

191.8
284.8   93.0
8.8   1064.   +0.43
115.2   1994
1606   +0.37

Pa E   Mean = +0.48

205.3   9.4
281.2   15.9   Mag = ~~8.92~~
24.4   768   9.88
101.2   1527   +0.52

206.8   +0.52
283.1   763
25.8   760
13-36-35   101.8   1523   +0.53

plates Red. to here

Nov. 11 - 1914

RW Aquilae 200715 f Phot R

P.A. N.E van comp with 2.0

13-45-55 ~~369~~.8 < ~~comp~~ * dis.

110.3 1~~0~~40.5

196.3 919

288.2 1924

1676 + 024

10.2

105.2 950 + 024

193.8 984

292.2 1934

1666 + 0.25

P.A. S.W. Mean - + 0.25

281.3 90

20.8 995 Magn = ~~8.75~~ 925

103.0 942

197.2 193.7 + 0.32

1633

284.4

17.2 92.8 + 0.26

102.3 99.3

13-50-0 201.6 192.1

1679 + 023

95 55

13 47 55

Nov. 11 – 1918 –

G.M.T.	o Ceti	021403	Phot R.	
14 – 39 – 25	P.A. E			
	234.8			
	247.4	12.6		
	53.7	13.1		
	66.8	25.6	— 4.75	
	234.6			
	247.2	12.6	— 464 ✓	
	53.1	15.6	✓	
	68.7	28.2	— 454 ✓	
	P.A. W		mean =	— 459
	144.2			9.19
	157.4	13.2	magn =	4.60
	323.4	14.0	✓	
	337.4	27.2	— 4.62 ✓	
	144.7		— 454	
	159.8	15.1		
	324.8	14.0	✓	
14 – 43 – 15	338.8	29.1	— 447	

14 41 20

21909.612

✓ Nov. 11–1918

R Equulei 210812 ~~Phot R~~.
est 11.0

RW Pegasi 225914 ~~es~~ Phot R

~~14~~

Comp too faint in Moonlight

15 00 — est 9.3

P.H.W. ~~X~~ V Cassiop 230759
with 10.3 Phot R

15-5-10 20.0 < var dis
100.6 80.6
200.8 79.8
280.6 160.4 — 0.37

21.0
104.8 83.8 — 0.36
200.6 78.2
278.8 162.0 — 0.34

mean = — 0.42
10.3
9.9

R.A. E
293.7
14.2 80.5
115.8 79.4
195.2 159.9 — 0.38

294.1
11.7 77.6 — 0.47
117.8 73.8
15-9 25 191.6 ~~153.4~~ — 0.55
15 7 12 21909. 151.4

Thur Nov. ~~17~~ 14, 1918

L.C.Obs 12" Polar

Nova Aquil. No 3. 184300 : Phot R

2213

330w

GMT. P.A. ΔE

11 21.8 320.4

346.8 26.4

138.8 27.6

166.4 54.0 — 3.10

317.1

347.7 30.6 — 3.07

140.6 24.9

165.3 55.5 — 3.04

P.a. NW mean = — 3.04

229.8 8.65

251.4 21.6 Magn = 5.61

46.8 30.9

78.7 52.5 — 3.16

226.8 — 3.02

258.1 31.3

49.8 28.2

11 29.0 78.0 59.5 — 2.88

11 25.4

21912.

2 19 12.

Nov. 14-1918.

11 32 SS Cygni 213843 est 9.4 Plat R

2224
046

P.a. NW

11 34.7 23.4 < comp ✱ obs -
103.2 798
206.6 688
~~275.4~~ 1486 +0.60

32.4
99.6 672 +0.61
205.2 804
285.6 1476 +0.62

P.a. SE Mean = +0.78
297.2 850
368.3 71.1 Magn = 9.28
120.4 600
180.4 131.1 +0.96

300.6 +0.96
365.3 647
~~118.8~~ 659
11 41.7 184.7 130.6 +0.97

764
11 38.2
21912

Nov. 14 - 1918

Gm. T.	δ Aquilae 2007/13a			Plot R.
	P.a. East			
11 53.0	208.2 < Cont. Δ dis			
	280.4	72.2		
	22.2	74.6		
	96.8	146.8	+ 0.64	
	204.2			
	281.4	77.2	+ 0.64	
	26.4	70.0		
	96.4	147.2	+ 0.63	
	P.a. West			
	121.8		Mean = + 0.68	
	189.6	67.8		9.4
	295.2	70.0		10.08
	365.2	137.8	+ 0.82	
	115.6			
	188.4	72.8	+ 0.73	
	289.2	73.8		
12 01.0	363.0	146.6	+ 0.64	
12 02.0 21912,				
12 00	C.S. Watch = 5.0^m slow by bell			

Nov. 14–1918.

R W aquilae ~~2001~~7 200715b Phot R.

125.4 P.A. = S West
200 ∠ comp ★ dis
101.4 81.4
200.0 78.6
278.6 160.0 +0.38

19.8
108.8 89.0 +0.26
199.7 83.7
283.4 172.7 +0.14

Mean = +0.43
9.0
9.43

299.4
15.4 76.0
117.2 71.0
188.2 147.0 +0.63
~~2~~

298.1
10.2 72.1 + 0.60
114.8 78.2
12 17.0 193.0 150.3 + 0.57

12 11.2
12 16.2

2 1912

Nov. 14 – 1908

RS Cygni ~~2~~ 200938 Plot R

GMT.

2314
3 5 0 + 38.5

PA = East

12 24.4 297.2 < comp ~~A~~ dis
356.8 69.6
120.4 59.4
179.8 ~~129.0~~ +1.21
119.0

302.8
358.8 56.0 +1.35
125.3 51.1
176.4 107.1 +1.49

PA = West mean = +1.42

209.8 7.25
267.8 58.0 8.62
36.8 51.4 7
88.2 109.4 +1.43

~~22~~ +1.48
214.3
265.8 51.5
35.6 54.2
12 30.0 89.8 105.7 +1.52
12 27.2
12 32.2

21912.

Nov. 14 – 1908.

00 17 55 T Cass   Phot R
02 07
1 50 w

GMT.   P.a. Nw
15 20.0   25.2 ← comp * dis
98.6   73.4
196.3   86.5
282.8   159.9 + 0.38

20.6
104.2   83.6   + 0.32
199.0   83.4
283.2   167.0   + 0.25

p.a. SE   Mean = + 0.34
296.6   7.90
13.6   77.0   Magn   8.24
110.6   85.8
196.4   162.8 + 0 33

289.8
16.6   86.8   + 0 36
118.4   72.2
15 26.2   190.6   159.0   + 0.40

15 23.1
15 28.1
2)51.2

Nov. 14 - 1918

G.M.T. Rawdon 0014 38 ~~Plot~~ R

°2 18
20 + 38.0 with 97* p

P.a. South

15 32.0 297.4 < var dis
368.8 71.4
124.8 60.8
185.6 132.2 — 0.93

302.8 — 0.98
363.6 60.8
118.7 67.1
185.8 127.9 — 1.02

P.a. North mean = — 0.88
9.70
8.8

201.8
281.8 80.0
32.2 61.2
94.4 141.2 — 0.75

212.2
278.8 66.6 — 0.78
26.2 72.1
15 40.0 98.3 138.7 — .80
15 36.0
~~15 44.0~~
29912.

Nov. 14-1916

U Cass. 004046) Plate R

Pa. N orth

15 53 3.0 113.2 <comp * dis = the * 8.6 t
200.0 86.8
294.8 73.4
368.2 160.2 + 0.38

113.8 + 0.38
193.8 80.0
290.2 80.0
370.2 160.0 + 0.38

Pa = South

Mean = + 0.24
8.60
8.84

15.2
108.0 92.8
200.6 87.8
288.4 170.6 + 0.18

18.8 + 0.10
108.8 90.0
201.6 88.2
16 01.0 289.8 178.2 + 0.03

15 57.0

2912.

Nov. 14 – 1908

W Cass. Phot R

004958

0 2 5 2
2 3 w +58.2

East

comp ✱ = 9.4

16 9.2 112.6 < Var dis
199.8 87.2
290.8 85.5
16.3 172.7 — 0.14

110.6 — 0.12
196.9 86.3
289.6 89.0
18.6 175.3 — 0.09

West

mean = + 0.11
9.4
9.5

18.3
113.3 95.0
194.2 98.6
292.8 193.6 + 0.30
166.4

13.6
110.3 96.7 + 0.34
193.4 103.0
16 16.0 296.4 199.7
160.3 + 0.38

2' 9 2' 1.

V

Sat Nov. 23-1918

12" Polar

SS Cygni 213843

12 20	est	11.4	LC	1	.06 –
24		11.3	Francis	2	.16
22		11.3	Gould.	2	16
30		11.6	Whitehorn	1	14
33		11.2	Jordan	3	26
36		11.2	Young	3	26
40		11.4	Block	1	06
41		(12.0)	Pickering, D.B.	5	
46		11.8	Reardon	3	34
49		11.3	Mrs. Brewster	2	16
53		11.4	Burbeck	1.	06
54		11.6	Hunter	1	14
12 58		11.6	Duchamme	1	16
	13)6.5 11.50	12)5.5 11.46		13)24 ±.18	12)19.4 ±16

16 35 T Orionis 053005a est

11.6	LC	1
11.6	Olcott	1
11.6	Francis	1
11.2	DBP	4)60 ±15
20 11.50		

Mon. Nov. 25 – 1918

L.C. Obs. 12" Polar.

Nova Aquila No 3

P.a. South

Plate R.

11 33.0 139.3
167.4 28.1
321.2 25.4
346.6 53.5 – 3.12

139.4 – 3.12
165.2 25.8
319.3 28.1
347.4 53.9 – 3.11

P.a. North

Mean = – 3.11
8.65
Magn = 5.54

49.4
76.3 26.9
224.2 28.2
257.4 55.1 – 3.05

49.0 – 3.11
74.4 25.4
227.7 27.3
11 39.8 255.0 52.7 – 3.15

11 36.4

21923.

Nov. 25 – 1918

11 47 SS Cygni 213843 est 11.4

Too faint for the pho~~tometer~~

S Delph 203816 Phot R.

23 20
2 4 2 w

P.a. west

12 0.0 29.4 < Comp ★ diff. = the δ.) close to S Delph

92.2

216.4 62.8

276.0 59.6

122.8 + 1.14

34.4

90.4 56.0 + 1.18

207.7 62.1

269.2 118.1 + 1.23

P.a. Dect

300.2 mean = + 1.18

357.7 57.5 8.7

120.2 60.2 9.88

180.4 117.7 + 1.24

304.0

362.2 58.0 + 1.18

116.6 65.6

12 2.0 182.2 123.6 + 1.11

12 3.5

2 1923 3 5

Nov. 25-1908

gm T.

R Vulpec 205923 ~~Phot~~ R

23 37

Comp # = ~~[illegible]~~

Pa est = 8.0

Z Pegasi 235525 est 11.0

Not brighter than ~~tested~~.

Y Cas 235855 est 12.1

RR Peg 214024 Est <13.0

2445

35 W

V Peg 215605 est 12.4

2450

254

RT Peg 215934 est 10.9

X Aquar 221321 est too low

RV Peg 222129 est

245x

2 33 W

8 30 Cloudy

$2^1\ a^2\ 4^7$

Tues. Nov. 26 1918.

G.M.T. LC Obs. 12" Polar

11 30 SS Cygni 213843 est 11.5

RS Lyrae 190833a est 12.0

RU Lyrae 190941 est 12.1

TZ Cyg 191350 est 11.3

TY Cyg 192928 est 12.8

RT Aquil 193311 est 12.2

RV Aquil 193509 est. 12.6

RT Cygni 194048 est 8.1

TU Cyg 194348 est 9.2

χ Cygni 194632 est 13.2 diff. & faint.

Z Cygni 195749 est 8.5

R Capric 200514 est 13.0

RU Aquilae 200812 est 11.4

12 00 Z Aquilae 200906 est 12.8

2'9'24.

Nov. 26 - 1918

R Delph	201008	est 12.6	
SX Cygni	201130	est 9.4	
Z Delph	202817	est 10.1	
203847	V Cygni	est 12.5	R = 8
204104	W Aquar	est 12.8	
204405	T Aquarii	est 10.5	
205017	X Delph	est 11.8	
RS Aquar	210504	est 10.1	
R Equulei	210812	est 12.2	
RR Aquar	210903	est 12.4	
X Peg.	211614	est 9.7	
S Lac	222439	est 10.4	
S Aquar	225120	est 8.2	
R Peg.	230110	est 10.3	
R V Peg	222129	est < 13.0	

Nov. 26 - 1908.

RS Cyg. 200938 Phot R.

P.a. East

12

40.0 299.0 < Comp * dis.

369.0 70.0

120.2 60.4

180.6 130.4 + 0.97

297.4 + 0.88

365.6 68.2

113.6 71.4

185.0 139.6 + 0.78

P.a. West

206.4 Mean = + 0.91

276.4 70.0 7.3

28.8 65.6

94.4 135.6 + 0.86 mag = 8.1

+ 0.94

208.8

272.2 63.4

30.6 64.0

12

46.0 94.6 127.4 + 1.03

RZ Cygni 204846 est

Sat Nov. 30 – 1918

✓ L.C.Obs 12" Polar

~~14~~ 53 SS Aurigae 060547 est 12.8

Tues. Dec. 3 – 1918. Recorded on L.C.Obs. this page by mistake. Plot R. L.C.

021403 0 Ceti

P.a. East

13 80 232.2:

252.6 20.4

51.1 21.5

72.6 41.9 — 3.67

230.2 — 3.~~70~~ 68

250.6 20.4

51.6 20.8

72.4 41.2 ~~+~~ — 3.70

Index West Mean = — 3.50

138.7 9.19

167.2 28.5 5.69

319.8 23.8

343.6 52.3 — 3.17

140.8 3.30

164.8 24.0 —

321.4 22.8

13 15.0 344.0 46.8 — 3.42

13 11.5

219~~5~~28. 550

2 19 31 ✓

Tues Dec 3 - 1918

12" Polar LC Obs.

G.M.T. SS Cyg. 213843
13 02 est 11.6

1 est 1

Mon Dec 9 - 1918

12" L.C.Obs

Gmt. Iapetus not readily seen

18 40 in 12"

19 12 U Gem 074922 est 13.6

1 est 2

Tues Dec. 10 – 1918

12" Polar

LCOb.

G.M.T.	S Cygni 213843 est 11.5			
11 30				
	o Ceti 021403			LCOb Phot R.
	P.A. West			
11 40.0	135.6			
	170.2	34.6		
	318.6	26.6		
	345.2	61.2	– 2.81	
	137.4		– 2.86	
	167.2	29.8		
	318.2	29.0		
	347.2	58.8	– 2.91	
	P.A. East		mean =	– 2.99
	51.6			9.19
	76.6	25.0		
			mag =	6.20
	228.2	28.0		
	256.2	53.0	– 3.16	
	51.6			
	74.8	23.2	– 3.12	
	226.6	31.1		
11 47.8	257.7	54.3	– 3.09	

Dec. 10, 1918.

RS Cygni 200938 Phot R.

East
11 55.0 P.A. 295.3 < comp & dis.
16.4 75.1
129.8 47.9
177.7 123.0 + 1.13
305.6
361.2 55.6
123.8 64.0 + 1.16
187.8 119.6 + 1.20

P.A. West
214.2 mean + 1.31
269.8 55.6 7.2
37.3 53.9 8.51
91.2 109.5 + 1.43

218.2
267.6 49.4 + 1.46
37.3 57.1
12 02.2 94.4 106.5 + 1.50

Dec. 10–1916

U Cygni 201647

Phot R.

P.a North

1 2 of.0 221.2 < comp ~~A~~ dis

268.7 47.5

32.2 31.1

63.3 78.6 + 2.24

220.8 + 2.24

267.0 46.2

34.0 31.8

65.8 78.0 + 2.25

Pa South

Mean = +1.70

7.77

9.47

120.7

187.7 67.0

301.3 58.5

359.8 125.5

+ 1.07

118.8

185.0 66.2 + 1.15

306.0 52.0

12 16.2 358.0 118.2 + 1.23

8

8 1 9 3 7.7 ✓

Dec. 10 - 1918.

12 20	Z Delph.	203817	est	9.8
	V Cyg	203847	est	11.7
	V Delph	204318	est	12.0
	Y Peg	220613	est	11.2
	RS Peg	220714	est	12.4
	S Lacert	222439	est	9.7
	RW Peg	225914	est	10.0
	R Pegasi	230110	est	11.0
	V Cass	230757	est	8.1
	W Peg	231425	est	11.1
	S Peg	231508	est	9.7
	Z And	232848	est	10.7
	ST And	233335	est	11.2
	Z Cass	233956	est	9.3
	RR Cass	235053	est	10.1

✓

Dec 10-1928

1		V Ceti	235209	est	12.8
		R Can	235352	est	12.8
		Z Peg.	235525	est	11.7
		W Ceti	235715	est	13.0
		Y Can	235855	est	12.7
13	15	SV And	235939	est	11.4

22 ests 24
48 setts 48

Dec 10-1918

W Persei 024356 ~~at~~ Plat R.

P.a. North

13 20.0 121.3 <comp* dis = 9.2
179.8 58.5
303.6 54.2
357.8 112.7 + 1.36

123.6
179.8 56.2 + 1.38
305.2 55.0
360.2 111.2 + 1.39

P.a South Mean = + 1.29
9.2
10.48

29.6
90.3 60.7
216.6 56.7
273.3 117.4 + 1.25

30.4
87.2 56.8 + 1.20
216.4 55.4
13 27.0 271.8 112.2 + 1.14

22 ests 24

64 est 64

19 45 ✓

2

Tues. Dec. 17 – 1918

L. C. Obs. ~~[illegible]~~ 12" Polar

12 00 cloudy

12 30 SS Cygni too far west

12 40 o Ceti too cloudy

U Cass 004047 est 9.3

R And 001838 est 10.2

T Cass 0017~~56~~ 55 est 8.6

Index North

1~~7~~3 35 25.3 < comp ~~X~~ dis

102.2 76.9

204.8 72.4

277.2 149.3 + 0.59

264 + 0.64

97.8 71.4

206.3 72.3

278.6 143.7 + 0.70

Index South mean = + 0.80

294.2

364.8 70.6

122.2 63.3

185.5 133.9 + 0.90

302.2 + 0.95

362.2 60.0

1~~7~~3 4 20 116.6 68.9 + 1.00

185.5 128.9

Dec. 17-1918.

	o Ceti	021403	
	Index SE		
13 48.0	225.0	∠ Var dis	
	255.2	29.4	
	47.4	27.8	
	75.2	57.2	— 2.97
	229.4		— 2.94
	258.2	28.8	
	46.6	30.0	
	76.6	58.8	— 2.91
	Index NW		Mean = — 2.90
	136.6		9.19
	168.8	32.2	Magn = 6.29
	316.8	31.5	
	348.3	63.7	— 2.73
	133.6		— 2.86
	171.6	28.0	
	318.0	29.0	
13 54.0	347.0	57.0	— 2.98
13 52.0			

2194518 ✓

Dec 17-1918

L.C.

X And	001046	est	10.6
T And	001726	est	9.1
RW And	004132		11.8
V And	004435	est	12.3 diff.
W Cas	004958	est	9.9
U And	010940	est	<10.9
UZ And	011041	est	10.7
U Psc	011712	est	10.4
R Psc	012502	est	11.2
RU And	013238	est	10.0
Y And	013338	est	10.4
X Cas	014958	est	11.7
U Per	015354	est	10.3
R Ari	021024	est	12.1

Dec. 17 - 1918

RR Per. 022150 est 10.0

U Ceti 022813 est 8.9

R Triang 023133 est 9.3

X Ceti 031401 est 11.6

Y Per 032043 est 8.7

Nova Monoc 072206 est

15 10 Moon too near & too bright

22 ests 46
32 setts. 96

2 1 9 46. ✓

Wed Dec 18, 1918

LCObs 12" Polar

G.M.T.

10 50 S.S. Cygni 213843 est 9.4

S S Cygni with 8.5 Phot R.

Index North

11 44.0 28.0 < 8.5 dis.
96.8 68.8
210.4 68.3
277.7 137.1 + 0.83

30.2 129.2 + 1.00
90.2 60.0
212.6 61.4
274.0 121.4 + 1.16

137.1

Index South mean = + 0.84
8.5
9.34

298.0
13.0 75.0
117.2 66.6
183.2 141.6 + 0.74

145.0
295.8 + 0.68
10.4 74.6
113.8 73.8
187.6 148.4 + 0.61

11 52.0
11 48.0

2.1 9446.1

Dec 18 — 1908.

RU Aquil 200812 est 12.0

SX Cygg 201130 est 10.2

S Delph 203816 est 10.8

X Delph 205017 est 12.1

R Vulpec 205923 est 8.8

X Peg 211614 est 10.0

R Aquar 233815 est 6.4

Z Cassiop 233956 est 12.7

V Cassiop 230759 est 7.9

12 30 RR Cass 235053 est 11.6

11 ests 57
16 sets 112

21948.1

Fri. Dec ~~19~~ 20 - 1918

L.C.Ok 12" Polar

213843 SS Cygni est 10.0 Phot R

Index N.

11 43.0	41.0			
	82.2	41.2		
	211.2	58.8		
	270.0	100.0	+ 1.66	
	32.2		1.65	
	86.8	54.6		
	222.2	46.0		
	268.2	100.6	+ 1.64	

Index S. mean = +1.54

	312.1			8.5
	363.4	51.3		10.04
	124.0	54.6		
	178.6	105.9	+ 1.51	
	308.5		+ 1.42	
	363.6	55.1		
	122.0	59.2		
11 51.8	181.2	114.3	+ 1.32	
94.8				
11 47.4				

1 - 58
16 - 128

Obs. diff towards end.

✓

Sat Dec. 21 - 1918

L.C.Ob. 12" Polar L.C.Jr.Rec

Ind. S.

SS Cygni 213843 est 10.4 Phot R

11-52-50	~~154~~		
	308.8 < comp * dis	x	
	356.2	47.4	
	127.3	52.1	
	179.4	99.5	+1.67
	311.4		
	355.5	44.1	+1.80
	129.3	45.8	
	175.1	89.9	+1.92
	Index N.		Mean = +1.98
			8.50
	222.1		10.48
	263.1	41.0	
	45.1	34.3	
	79.4	75.3	+2.34
	221.4		+2.16
	264.6	43.2	
	42.2	44.2	
12-0-0	86.4	87.4	+1.98

11 56 26

21949.

~~Est.~~ 10.4

12 00 C's watch = 50^s fast by bell

Dec. 21 – 1918.

o Ceti 021403 Plate R

	Ind. W.		
12-16-50	314.8		
	348.3	33.5	
	136.2	29.6	
	165.8	63.1	+ 2.74
			+ 2.62
	312.2		
	347.7	35.5	
	133.8	34.5	
	168.3	70.0	+ 2.51
	Ind. E		Mean = + 2.67
	222.6		9.19
	261.2	38.6	Magn = 6.52
	45.5	29.2	
	74.7	67.8	+ 2.58
			+ 2.~~62~~72
	225.6		
	254.6	29.0	
	45.6	31.2	
12-22-00	76.8	60.2	+ 2.85

12 19 25

21949.

Dec 21-1914.

ST Persei 025-338 - Phot. T.

Index NW — Comp ✱ = + 38°.611(40)

13-0-0 177.7 < Var dis

297.2 1195

351.6 1300

121.6 2495 + 1.41

1105

178.3

297.2 1189 + 1.40

353.0 129.6

112.6 248.5

111.5 + 1.38

~~Ind. N.W.~~ Index SE — Mean = + 0.86

276.8

12.2 954

99.2 1020

201.2 1974 + 0.33

1626

269.8 + 0.32

13.8 1040

99.6 931

13-6-10 192.7 1971

1629 + 032

13 3 5

Dec. 21-1908

S T Persei II

13	Ind. S.E.			
(40) ~~12~~ 14-10	280.0			
	369.8	898		
	91.2	1092		
	200.4	1990 1610	+ 036	
	270.0			
	20.6	110.6	+ 0.38	
	98.3	90.6		
	188.9	201.2 158.8	+ 0.40	
	Ind. N.W.			Mean = +076
	~~188.9~~			
	351.2			
	117.8	1266		
	174.8	1091		
	283.9	235.7 1243	+ 1.10	
	354.0			
	110.3	116.3	+ 1.14	
13	173.3	1231		
~~12~~-19-0	296.4	239.4	+ 1.18	
		1206		
23 10				
13 16 35				

Sfr 1.6

Dec 21, 1918

S.T. Persei — III

Ind. N.W.

13-43-40.	349.4		
	112.6	123.2	
	176.4	112.6	
	289.0	235.8	
		124.2	+ 1.10
	353.2		
	112.2	119.0	+ 1.35
	164.4	138.9	
	299.3	257.9	
		102.1	+ 1.60

Ind. S.E. — Mean = + 0.83

	89.6		
	198.3	108.7	
	286.0	91.4	
	17.0	200.1	
		159.9	+ 0.38
	102.0		
	193.2	91.2	+ 0.31
	273.3	101.5	
13-49-10	14.8	192.7	
		167.3	+ 0.24
13 46 25			

21949.

Dec 21-1916

ST Persei

IV

Ind. N.W

14-4-40 357.8
109.8 1120
177.7 1195
297.2 2315
1285 +1.01

000.0
118.4 1184 +0.96
181.8 1089
290.7 2273 +0.92
1327

Ind. S.E mean = +0.76
96.9
193.6 967
272.2 1076
19.8 2043 +0.46
1557

87.8 +0.56
200.0 1122
278.4 1016 +0.65
14-11-0 20.0 2138
1462
15 40
14 7 50

Obs. increasingly difficult.

21549k

Dec 21, 1918

ST Persei   V

Index SE

14-23-50 15.6 < comp * now dis
94.2 78.6
202.8 71.0
273.8 149.6 +0.58

22.6 +0.65
83.6 61.0
194.6 81.8
276.4 142.8 +0.72

Index NW mean = +0.84
114.2
177.8 63.6
294.2 62.6
356.8 126.2 +1.06

114.2 +1.02
176.2 62.0
290.8 68.0
14-28-10 358.8 130.0 +0.98

14 26.0

Var does not appear to be varying at all, Dec. 21, 1918

RW Tauri 035727 Phot T.

	Ind. W.			I
14-45-35	270.0<	comp * dis.		
	17.0	107.0	Comp * = + 28.613 (7.8)	
	92.2	108.9		
	201.1	215.9	— 0.69	
		144.1		
	270.2		— 0.66	
	16.8	106.6		
	91.0	106.6		
	197.6	213.2	— 0.64	
		146.8		
	Ind. E		Mean = * — 0.83	
	358.8			
	~~133.~~			
	113.3	114.5		
	174.7	122.7		
	297.4	237.2	— 1.13	
		122.8		
	~~297.4~~			
	350.4			
	~~160~~ 106.8	116.4	— 1.00	
14-50-35	181.4	108.8		
	290.2	225.2	— 0.88	
		134.8		

Sp = 4.8

Dec. 21-1918

Rw Tauri II

Index E

14-57-0 290.0 <var dis
358.7 68.7)
117.7 571
1.74.8 1258 ~~✳~~ - 1.07

297.8 - 1.12
352.7 549
112.2 66.2
178.4 121.1 - 1.17

Index W Mean -0.75
6.4
96.7 90.3
200.2 69.2
269.4 159.5 -0.37

18.2 -.38
92.4 742
197.2 860 -.38
15-3-0 273.2 160.2

15 0.0

Dec. 21-1918

RW Tauri III

Index W

15-5-45	12.8		
	92.8	80.0	
	202.7	68.1	
	270.8	148.1	− 0.61
	18.0		
	88.2	70.2	− 0.58
	194.0	81.4	
	275.4	151.6	− 0.54

Index E — Mean = * −0.75

	110.0		
	180.6	70.6	
	294.2	62.4	
	356.6	133.0	− 0.92
	117.6		− 0.92
	175.2	57.6	
	288.6	74.7	
15-9-35	363.3	132.3	− 0.93

15 7 40

Nova Monoc 072206 est 120

15 22 Diff to see Nova on acct of Moon & haze

Dec 21-1918

1524 U Gemin 074922 est <12.0

SS Aurigae 060547 est <12.5

0438

1526 1272

4 - 62

160 - 288

✓ Mon Dec 23-1918

LCAfoRee 12" Polar ~~#5~~

SS Cygni 21.38+43
10 35 est 11.1 Too ft for Phot R.

Pa NE means with 5.-d
10 43.5 200 < 5.18 dis Phot T.
86.6 66.6
203.2 70.4
273.6 137.0 +0.83

23.0
92.2 69.2 +0.86
205.2 64.8
270.0 134.0 +0.90

Pa SW
111.6 mean = +0.91
175.6 64.0 5.18
297.7 60.1
357.8 124.1 +1.10 magn = 6.09

118.6 +0.96
182.6 64.0
294.2 73.0
10 49.8 367.2 137.0 +0.83

Ju PB 1.5

Dec. 23-1918

023341 Z Persei   Plot R

	P.a. West		Comp with ff star.
11 02.0	279.7	< Vandis .	. +41.0
	22.2	102.5	
	98.2	106.6	
	204.8	209.1	+ 0.56
		150.9	
	280.4		
	24.4	104.0	+ 0.51
	103.3	100.3	
	203.6	204.3	
		155.7	+ 0.46
	P.a. East		
	191.0		Mean = + 0.48
	291.2	101.2	
	8.6	104.6	
	113.2	205.8	
		154.2	+ 0.49
	190.4		
	293.6	103.2	+ 0.44
	13.3	96.5	
11 10.0	109.8	199.7	
11 06.0		160.3	+ 0.38

Dec 27–28d

Z Persei II

11 18.4	109.8 < comp ✱ dis		
	194.2	84.4	
	292.2	81.1	
	373.8	165.5	+ 0.27
	111.4		
	189.6	72.2	+ 0.20
	282.4	94.2	
	376.6	172.4	+ 0.14
	P.a. unit		Mean = +0.26
	13.3		
	104.2	90.9	
	202.8	78.5	
	281.8	169.4	+ 0.20
	24.4		+ 0.32
	99.4	75.0	
	201.8	81.8	
11 26.0	283.6	156.8	+ 0.44
11 22.2			

Dec. 23-1918

Z Persei III

Pa. west

11 330 70.6
103.3 92.7
205.0 82.8
282.8 175.5 + 0.08

116.8
102.2 87.4 +0.18
199.8 78.6
278.4 166.0 +0.27

Pa East mean = +0.16
286.8
374.6 87.8
108.4 83.8
192.2 171.6 + 0.16

293.8
374.8 810 +0.14
107.3 929
11 400 200.2 173.9 +0.11

11 365

Dec. 23 – 1908

Z Persei. IV

	P.a. East		
11 48.4	289.6		
	374.2	84.6	
	106.0	88.8	
	194.8	173.4	+ 0.13
	286.6		
	377.8	91.2	+ 0.02
	104.7	94.1	
	198.8	185.3	− 0.10
		174.7	
	P.a. West		Mean = + 0.10
	~~104.7~~		
	196.0		
	286.3	90.3	
	23.6	73.7	
	97.3	164.0	+ 0.30
	200.4		+ 0.19
	279.0	78.6	
	12.8	97.2	
11 56.0	110.0	175.8	+ 0.08
11 52.2			

114 Σ at 1.59

Dec. 23-1918

Z Persei IV

Pa West

12 27.0 112.2 < Var dis

194.4 822

285.6 8~~0~~6.8

372.4 169.0 + 0.21

109.6 0.23

19.48 852 —

292.0 818

373.8 16~~6~~7.0 + 0.25

Pa East mean = −0.16

201.2

285.3 841

17.2 904

107.6 174.5 − 0.10

199.8 − 0.10

286.3 86.5

16.4 87.8

12 34.4 104.2 174.3 − 0.11

61.4

12 30.7

2195%

Dec. 23 – 1918.

ST Persei 025338 I

	pa NW		
12 48.0	112.8 < comp ★ dir		
	171.6	58.8	
	300.0	46.0	
	346.0	104.8	+ 1.54
	118.4		+ 1.52
	172.2	53.8	
	301.6	52.4	
	354.0	106.2	+ 1.51
	pa SE		mean = + 1.07
	196.2		
	280.2	84.0	
	23.8	61.8	
	85.6	145.8	+ 0.66
	200.2		
	268.2	68.0	+ 0.62
	10.6	81.6	
12 55.8	92.2	149.6	+ 0.58
103.8			
12 51.9			

Sh = 1.4

21951.

Dec. 23-1918

ST Persei 025338 II

Pa = SE

13 11.0 197.2
274.8 77.6
24.1 63.6
87.7 141.2 + 0.75

205.1 + 0.80
271.9 66.8
22.4 69.0
91.4 135.8 + 0.86

Pa = NW Mean = + 1.32
299.8
351.3 51.5
123.2 45.7
168.9 97.2 + 1.73

303.6 + 1.83
345.3 41.7
120.8 47.1
13 17.2 167.9 88.8 + 1.93

13 14.1

1-62
128-416

Sat. January 4 - 1919

LC Obs. 12" Polar LC for Rec.

Ind. S ~~Laetitia~~ 0 59 -4.1

12-9-40 212.2 ∠ comp ✶ dis.

262.2 50.0 Comp with -4°

38.4 39.8

78.2 89.8 + 1.92

I

216.2

260.6 44.4 + 1.80

33.3 54.2

87.5 98.6 + 1.67

Index. N. mean = + 1.9~~8~~6

127.6

172.3 44.7

309.7 41.5

351.2 86.2 + 2.02

132.8

173.7 40.9 + 2.12

310.2 38.0

12-15-30 348.2 78.9 + 2.23

12 12 35

21963

+(35 35

88.4

Sat. January 4, 1919.

II

Index. N.

12-19-35 128.4 402
168.6 ~~370~~
312.6 7.72 + 2.28
349.6

+2.36

125.9 394
165.3 ~~330~~
312.1 7.24 + 2.43
345.1

Index S Mean = +2.04

33.2 516
84.8 ~~361~~
218.1 8.77 +1.98
254.2

+1.92

40.2 ~~372~~ 372
77.4 ~~350~~
~~21.5~~ 210.8 9.22 + 1.86
12-25-10 265.8

45

12 22 22

x1295
824

21963

Sat. January, 4, 1919.

III

Ind. S

12-32-46 ~~263~~.32.8 549
87.2 ~~4~~26
219.6 ~~109~~7.0 + 1.73
262.2

+1.87
39.8 409
80.7 454
216.2 86.3 + 201
261.6

Ind. N. Mean = + 1.98
305.1 475
352.6 *394
128.8 869 + 200
168.2

+ 2.10
312.0 ~~344~~ 34k
346.4 ~~340~~ 43.4
122.8 ~~132.2~~ ~~68.4~~ 79.8 + 220
12-37-95 166.2

10 25
12 35 12

4 | 35,00
875

21963

Jan. 4 - 1919

Laetitia IV

Pa North

12-46-30 308.8 374
346.2 389
128.9 76.3 + 2.31
167.8

+ 2.28

308.7 343
343.0 435
128.4 77.8 + 2.26
171.9

P.A. South mean = + 2.06

214.6 528
267.4 426
37.8 95.4 + 1.77
80.4

+ 1.85

217.2 456
262.8 437
35.2 89.3 + 1.93
12-53-00 78.9

99 30
12 49 45
21963
13 0 Ci watch correct by bell

Jan. 4, 1919

Laetitia V

P.a. South

13-0-45 221.8 463
268.1 416
38.2 879 + 1.97
79.8

+1.90

221.2 370
258.2 558
30.4 928 + 1.84
86.2

P.a. North Mean = +2.10

122.2 449
167.1 351
309.8 800 + 2.19
344.9

2.30

130.8 370
167.8 358
309.8 728 + 2.42
13-6-40 345.6

13 3 42

21963

Jan. 4 - 1917

Laetitia VI

Pa - North

13-16-20 118.8 492
168.0 376
304.8 86.8 + 2.00
342.4

2.18

129.2 404
169.6 344
311.9 ~~317.9~~ 74.8 + 2.35
346.3

Pa. South Mean = +2.06
37.2 444
81.6 408
219.4 85.2 + 2.05
261.2

1.94

34.3 499
84.2 438
215.6 93.7 + 1.82
13-23-30 259.4

Jan. 4 – 1919

Laetitia VII

Pa South

13-33-30 38.8 446
83.4 497
210.2 94.3 + 180
259.9

186

38.2 466
84.8 432
216.2 89.8 + 1,92
259.4

6
2,1~~595~~

Pa North Mean = + ~~4,30~~

308.8 384
347.2 339
131.1 723 + 2,43
165.0

6
2,4~~5~~5

316.3 325
348.8 384
130.4 709 + 2,48
42
13-~~47~~-85 168.8

January ^{4}8th, 1919,

VIII

P. A. South

14-2-25 312.2 355
347.7 403
127.1 75.8 + 2.32
167.4

~~212.5~~
304.9 400 + 2.27
344.9 ^{3}493
128.8 ~~893~~ + ~~1.03~~
168.1 79.3 2.22

P. A. North. mean = +1.96
210.2 574
267.6 504
31.0 107.8 + 1.47
81.4

1.64
212.4 508
263.2 431
37.3 93.9 +1.81
14-8-30 80.4

Observations in this group very difficult.

21963 ✓ Jan ~~4~~ 4 – 1909

~~Lactitia~~ IX

17 – 16 - 0 160.4 468
207.2

Region too Low to continue further observations.

RW Tauri 035727 Plot T.

Too faint & diff to est fusion.

14 54 U Gem. 074922 est 10.7

14 57 SS Aurigae 060547 est 10.9

Jan, 4th, 1919

~~R. W. Tauri, phot. I~~

P.G. S.W

~~15~~-7-0 ~~22~~3.85 S Aurigae Phot R ~~II~~ I

318.8 950 ~~comp~~ var. di

45.4 926

138.0 187.6 ~~II~~ +0.14

1724

230.0 872 +0.11

317.2 968

48.0 184.0 +0.08

144.8 1760

P.G.=N.F mean = +0.10

130.8 1000 108

230.8 806 10.90

329.8 1806

50.4 179.4 +0.01

128.2 ~~1010~~

227.2 ~~16~~ + 0.10

322.2 990

15-~~1~~5-0 53.8 91.6

1906

15 11.0 169.4 +0.20

5.

2196

Mon January 6, 1919

12" Polar

LC Obs. LCJr Rec

12	29	SS Aurigae	060547	est	11.1
12	31	U Gemi	074922	est	11.4

Sky very hazy

062908 RW Monoc

January 6, 1919

Photx R.
L.C.Jr. Rec.

LC Obs.	Ind S.	~~Rhe~~ Monoc		
13-18-0	316.8	578		I
	375.6	650		
	140.2	123.8	+1.11	
	205.2			
			+1.25	
	328.2	525		
	380.7	585		
	192.0	111.0	+1.39	
	200.5			
	Ind N.		mean = +1.165	
	231.2	632		
	294.4	664		
	50.0	129.6	+0.99	
	116.4			
			1.08	
	231.4	600		
	291.4	610		
	52.2	121.0	+1.17	
13-24-40	113.2			

600

13 21 20
1 35

13 19 45

January, 6, 1919

~~R.~~ W, Monoc

Phot R.

Ll. Obs. Ind. N.

Ll. Gr. Rec

~~11~~ 13 -39-0 236.8 560

292.8 565

52.7 112.5 +1.36

109.2

~~7~~

+1.37

236.4 536

291.0 580

53.6 111.6 +1.38

111.6

Ind. S.

Mean ±1.34

144.6 588

203.4 544

325.8 113.2 +1.34

380.2

+1.32

142.7 597

202.4 554

327.2 115.1 +1.30

13

~~14~~ 95-50 22.6

13 32 25

1 35

13 30 50

January 6, 1919

~~R. W.~~ Manoc

~~III~~

13
~~14~~ - 53.45

Index I

147.3 ~~6~~ 582
205.5 581
325.5 ~~1[illegible]6.3~~
23.6 1163 + 1.27

141.7 ~~241.9~~ + 1.16
208.7 ~~0 0~~ 67.0
223.6 60.0
23.6 127.0 + 1.04

Index V mean = + 1.18

50.7
114.2 63.5
137.2 56.0
293.2 119.5 + 1.20

49.7 + 1.20
111.6 61.9
13 5
236.2 58.4
~~14~~ - ~~18~~ - 25 294.6 120.3 + 1.19

12 10

13 56 65
1 35
13 54 30
219

January 6, 1919

~~RW~~ Monoc. IV

Index N
14-11-32 54.2 566
110.8 565
235.5 113.1 +1.35
292.0

+1.4×2 ~~8~~

56.2 526
108.8 537
237.7 106.3 +1.50
291.4

Index S mean = + 1.31
321.6 608
22.4 575
146.~~2~~ 118.3 +1.23
203.7

+1.20
323.8 590
22.8 619
143.3 120.9 +1.17
14 6-20 205.2
27 5 2

14 13 56
1 35
14 12 21

January, 6, 1919

~~B. W.~~ Monoc.

Ind. South   prec comp.

$\overline{\text{V}}$

14-26-35. 323.6 600
23.6 423
141.7 102.3 +1.60
204.7

1.43

323.8 600
23.8 566
142.2 116.6 1.27
198.8

Ind North   1.30

234.7 615
296.9 571
57.2 118.6 +1.22
114.3

1.18

234.0 646
298.0 582
53.2 122.8 1.13
14-31-~~2~~5 111.4

Jan. 6, 1919

Rev Meas.

VI

Index N fol comp

14 33 15 231.6 584
290.0 748
47.4 133.2 +0.91
122.2

0.86

229.0 654
294.4 730
44.8 138.4 +0.81
117.8

Index S

~~.54~~ Mean 0.78

139.6 790
208.6 715
317.2 150.5 +0.57
~~308.9~~
28.7

0.70
~~.86~~ ~~1.40~~

141.6 668
208.4 702
316.2 137.0 +0.83
1438-15 26.4

11 30
14 35 45
1 35

14 34 10

2196~~4~~5.607
.508
.099

Jan. 6 – 1919

— Mirror

Index S prec comp

VII

~~1440 – 20 142.0~~

14~~49~~ – 15 326.2
44
24.7
140.4
204.8

585
644
1229 + 1.13

325.1 + 1.13
25.5
142.2
204.8

604
626
1230 + 1.13

North

mean = + 1.18

334.8
290.8
53.2
114.0

560
608
1168 + 1.26

231.4
292.4
52.2
14–49–50 112.0

+ 1.22

61.0
598
1208 + 1.18

Jan 6 - C 9 G

RW Mon.

VIII

	North	fol	comp.
14-50-35	228.1		
	302.2	74.1	
	51.8	70.4	
	122.2	144.5	+ 0.69
	225.8		
	301.4	75.6	+ 0.67
	50.7	70.6	
	120.8	146.2	+ 0.65
	South		
	134.7		Mean = + 0.66
	208.4	73.7	
	318.2	70.6	
	28.8	144.3	+ 0.69
	134.8		
	211.8	77.0	+ 0.62
	316.6	74.2	
14-55-10	30.8	151.2	+ 0.55

55 45

First 5 groups & the 7th not RW, but a prec. comp *.
6 & 8 are RW Mon. as well as all fol groups.

14 52 52
1 35
14 51 17

2196d. 619
508
111

Jan. 6 – 1919

	South	fol *		IX
15-5-25	133.6			
	221.8	88.2		
	316.8	79.0		
	351.8	167.2	+ 0.24	
			+ 0.30	
	135.3	80.1		
	215.4	80.9		
	313.8	161.0	+ 0.36	
	347			
	North		mean = + 0.39	
	43.8	79.5		
	123.3	76.5		
	229.8	156.0	+ 0.46	
	306.3			
			+ 0.48	
	44.6	77.6		
	122.2	76.4		
	228.4	154.0	+ 0.50	
15-12-45	304.8			

18 10

15 9 05

1 35

15 7 30

21965. 630

508

122

Jan. 6 – 1919

North Fol *

X

41.1 ~~1~~ 9 22

15 24 – 0 183.3 881

218.2 ~~210.3~~

308.3 180.3

179.1 — 0.01

42.2 840 + 014

126.2 868

224.8 164.8 + 0.29

305.6

South

308.2 866 mean = + 0.10

34.8 876

132.2 174.2 + 0.11

219.8

307.4 + 006

36.2 888

126.0 914

217.4 180.2

15 28 50 179.8 — 000

15 26 25

1 35

15 24 50

21965.642

.308

.136

Friday January ~~8~~ 10, 1919.

12" Polari Phot. ~~A~~ R

S.C. Obs. Ind. N.W. S.C.Jr Rec

14-8-00 234.8 (o Ceti 021403) Phot R
296.0 < Standi 61.2
49.8 680
117.8 129.2 — 1.00

-0.98

233.7 621 ✓
295.8 692 ✓
50.6 131.3 — 0.95 ~~.95~~
119.8

Ind. S.E Mean = — 1.11
9.19
198.8
207.2 58.4 Magn — 8.08
324.6 58.1
22.7 112.5 — 1.36

145.6 584 — 1.24
204.0 650
318.6 1234 — 1.12
14-11-40 23.6

Jan. 10 - 1919.

U Cass. 00407 Phot R.

14 = →Too faint for Phot. est = 11.9

Ind. E|W Per. 024356 comp ✩ dis

14 - 12 - 30 44.8 624

117.2 710

229.8 133.4 + 0.91

300.8

+ 0.76

~~+ 0.75.5~~

45.0 757

120.7 928

221.2 148.5 + 0.60

294.0

Mean = + 0.77

8.60

9.37

Ind. W.

319.2

21.6 624

133.0 792 + 0.74

212.2 141.6

+ 0.78

313.2 808

34.0 565 + 0.83

143.7 1373

14 - 27 - 20 200.2

Jan. 10 – 1919

Ind. N.   T. Cass. 001755   Phot. R.

14-32-50   330.0 ∠ comp ★ obs

181.2   48.2

144.8   564

201.2   104.6   + 1.54

+1.48

321.6

22.2   60.6

146.0   48.8

194.8   109.4   + 1.43

Ind. S.   Mean = +1.48

79

933

238.6   506

289.2   612

51.4   111.8   + 1.38

112.6

+1.38

235.2   570

292.2   546

55.2   111.6   +1.38

14-36-10   109.8

January 10, 1919.

Ind. J., R Triang. 023133 Phot. R.
14 48-10 66.2 (Var. dis ~~* = 9.7~~
100.6 344 Comp * = the 9.7
243.0 377
280.7 721 * - 244

64.6 381 - 2.33
182.7 409
245.2 790 * - 222
286.1

Mean = -2.55
9.7

~~338.2~~ 312
338.2 336
369.4 648 - 2.68
159.7 *
193.3

-277
337.6 316
369.2 276
160.6 592 * - 289
14,52-25 188.2

Jan. 10–1919.

Tanetis 024212 Pohlt R

14 00 clouds

14 30 All Cloudy.

21974

Wed. Jan. 15 1919.

L.C.Ob. 12" Eq.

1h 40	013238	RU And	est 9.7
	013338	Y And	est 11.1
	014958	X Cass	est 11.2
	015354	U Per.	est 10.8
	022150	RR Per	est 10.7
	022813	U Ceti	est 8.0
	032043	Y Per.	est 8.1
	041619	T Tauri	est 9.7
	042209	R Tauri	est 10.2
	042309	S Tauri	est <11.8
	042215	W Tauri	est 9.8
	045514	R Leporis	est 8.4
	050003	V Orion	est 8.9
	050022	T Lepor	est 9.1
	050953	R Aurigae	est 9.0

Jan 15-1919.

	052404	S Orionis est 10.0
	053005a	T Orionis est 10.1
	053531	U Aurigae est 9.4
	054920	U Orionis est 11.4
	065111	Y Mon. est 8.7
	070122a	R Gemini est 8.5
	070310	R Can Min est 8.1
16 00	072708	S Can Min est 11.0

Moon full, obs difficult

[illegible] Redfield