

KG  
11365  
752



KG11365, 752



66 2  
10  
8











KB 11365.752





(Friday) June 7, 1907,

L.C. Obs. J.D. 7834

800 Twilight still quite strong.

X Coronae 15 45 36

$$\begin{array}{r} 15 \quad 46 + 36.1 \\ 13 \quad 30 \\ \hline 2 \quad 16 \quad \epsilon \end{array}$$

a 5 b 6 b' 4 c + d 5 e 3 f

830 est var = e 2, 2 f

$$N.T. = 13.44$$

$$H.A. = 2.1 \epsilon$$

$$Dec = +36.4$$

15 52 29 — Coronae

$$\begin{array}{r} 15 \quad 50 + 29.9 \\ 13 \quad 45 \\ \hline 2 \quad 5 \quad \epsilon \end{array}$$

~~b 5 a~~

a 5 a' 4 c 3 b 6 d  
d 4 f 6 e

836

est var = f 2. 4 e

$$N.T. = 13.52$$

$$H.A. = 1.59 \epsilon$$

$$Dec. +29.4$$



2

7734

~~June~~ June 7, 1907.

T Herculis 120531

$$\begin{array}{r} 18 \ 2 + 30.5 \\ 13 \ 5 \\ \hline 4 \ 5 \ 2 \end{array}$$

est 4.8

8 43

$$\begin{array}{r} 4.3 \ E \\ + 30.6 \\ \hline \Delta T = 13.09 \end{array}$$

R Herc. 160114

$$\begin{array}{r} 16 \ 2 + 17.5 \\ 14 \ 2 \\ \hline 2 \ 0 \ 2 \end{array}$$

est 9.0

8 47

$$\begin{array}{r} \Delta T \ 14.3 \\ Dec + 12.4 \\ HA \ 1.57 \ E \end{array}$$

N Serpentis 160210

$$\begin{array}{r} 16 \ 1 + 10.5 \\ 14 \ 5 \\ \hline 1 \ 56 \ E \end{array}$$

8 50

$$\begin{array}{r} 1.55 \ E \\ + 10.2 \\ \hline 14.06 \end{array}$$

L1 N

Vant too faint to be seen

R Comae 115919

$$\begin{array}{r} 11 \ 57 + 19.5 \\ 14 \ 10 \\ \hline 2 \ 13 \ W \end{array}$$

$$\begin{array}{r} \Delta T = 14.22 \\ HA = 2.25 \ W \end{array}$$

Dec. + 17.4

9 6

$$\begin{array}{r} 12 \ 0 + 12.5 \\ 14 \ 20 \\ \hline 2 \ 20 \ W \end{array}$$

est 2.0



7734

June 7, 1907

~~R~~ U Virgin 124606

12 42 + 6.0

14 24

---

1 42 W

14:24

+ 3.7

9 12

est 9.8

1:45 W

R Can Ven 134440

13 41 + 39.4

14 31

---

0 50 W

14:33

+ 37.3

9 17

est 10.5

+ 0:50 W

R Leonis 09424

9 40 + 12.1

14 35

4 55 W

4:56 W

+ 10.7

9 21

~~est 8.4~~

14:37

T Can Ven 122532

12 24 + 32.2

14 40

---

7 16 W

2:17 W

+ 29.5

9 26

est 10.8

14:42

RW Virgins 124204

12 41 + 4.2

14 45

---

2 4

+ 2.4

2:7 W

9 30

a 2,2 b

14:47

4

77<sup>4</sup>

June 7, 1907

X Camelof 043274

9 40

$$\begin{array}{r}
 4 \ 32 + 756 \\
 14 \ 52 \\
 \hline
 10 \ 20 \text{ W} \\
 \text{est } 20.5 \text{ W}
 \end{array}
 \quad
 \begin{array}{r}
 +750 \\
 10.36 \text{ W} \\
 14.56
 \end{array}$$

S' Mrs Min 15-3374

9 48

$$\begin{array}{r}
 15 \ 35 + 700 \\
 15 \ 00 \\
 \hline
 0 \ 35 \text{ E} \\
 \text{est } 6.3 \text{ f}
 \end{array}
 \quad
 \begin{array}{r}
 0.33 \text{ E} \\
 +750 \\
 15.04
 \end{array}$$

b 6 f' 4 c' 3

RT Vignus 125705

9 55

$$\begin{array}{r}
 12 \ 55 + 60 \\
 15 \ 00 \\
 \hline
 2 \ 13 \text{ W}
 \end{array}
 \quad
 \begin{array}{l}
 \text{Abandoned} \\
 \text{Candidate for}
 \end{array}$$

S' S' Exporter 15-1714

10 00

$$\begin{array}{r}
 15 \ 19 + 16.0 \\
 15 \ 12 \\
 \hline
 0 \ 7 \text{ E} \\
 \text{est } 10.5
 \end{array}
 \quad
 \begin{array}{r}
 0.1 \text{ E} \\
 +14.6 \\
 15.16
 \end{array}$$



7734.

June 7, 1907.

162807 S S Herc

$$\begin{array}{r}
 16 \ 26 \ +7.0 \\
 15 \ 19 \\
 \hline
 1 \ 7 \ 2 \\
 10 \ 05
 \end{array}
 \qquad
 \begin{array}{r}
 1.6 \ 2 \\
 +6.5 \\
 \hline
 15.21
 \end{array}$$

est if seen range 3.3k

R T Herculis 170627

$$\begin{array}{r}
 17 \ 2 \ +27.2 \\
 15 \ 24 \\
 \hline
 1 \ 38 \ 2 \\
 10 \ 18
 \end{array}
 \qquad
 \begin{array}{r}
 1.32 \ 2 \\
 +27.2 \\
 \hline
 15.34
 \end{array}$$

est 3.3d

R S Herc 171723

$$\begin{array}{r}
 17 \ 19 \ +23.0 \\
 15 \ 35 \\
 \hline
 1 \ 43 \ 2 \\
 1022
 \end{array}
 \qquad
 \begin{array}{r}
 1.39 \ 2 \\
 +22.7 \\
 \hline
 15.43 \\
 32
 \end{array}$$

est 2, 3e

175654 V Deaco

$$\begin{array}{r}
 17 \ 5 \ 6 \ +55.0 \\
 15 \ 40 \\
 \hline
 2 \ 16 \ 2 \\
 1028
 \end{array}
 \qquad
 \begin{array}{r}
 2.21 \ 2 \\
 +55.0 \\
 \hline
 15.44
 \end{array}$$

est 3, 4d

June 7, 1907

R Cygni 193449

$$\begin{array}{r}
 10 \ 32 \\
 19 \ 32 + 49.9 \quad 3 \ 41.2 \\
 15 \ 47 \quad + 49.8 \\
 \hline
 3 \ 45.2 \quad \text{est } 4.5 \quad 15 \ 40
 \end{array}$$

RT Cygni 194044

$$\begin{array}{r}
 10 \ 35 \\
 \text{est } 74 \\
 3 \ 44.8 \\
 + 40.4 \\
 \hline
 15 \ 51
 \end{array}$$

std  $\neq$  (7.0) of R Cygni sequence  
used to compare RT with.

 $\chi$  Cygni 194632

$$\begin{array}{r}
 10 \ 42 \\
 19 \ 42 + 33.3 \quad 3 \ 43.8 \\
 15 \ 54 \quad + 32.5 \\
 \hline
 3 \ 48.8 \quad \text{est } 0 \quad 15 \ 50
 \end{array}$$

R Cygni 200934

$$\begin{array}{r}
 10 \ 45 \\
 20 \ 4 + 34.4 \quad 4 \ 5.8 \\
 16 \ 0 \quad + 38.5 \\
 \hline
 4 \ 8.2 \quad 16 \ 01
 \end{array}$$

est 7.6

21 Cygni 201647

$$\begin{array}{r}
 10 \ 47 \\
 20 \ 15 + 47.5 \quad 4 \ 9.2 \\
 16 \ 03 \quad + 47.6 \\
 \hline
 4 \ 12.8 \quad \text{est } 8.5 \quad 16 \ 3
 \end{array}$$



June 7, 1907

R Vulpec 205923

$$\begin{array}{r}
 2052 + 21.2 \\
 1605 \\
 \hline
 4472
 \end{array}
 \qquad
 \begin{array}{r}
 44492 \\
 + 23.6 \\
 \hline
 1617
 \end{array}$$

1051

est. free van = 10.6

St Aggr 213<sup>8</sup>43

$$\begin{array}{r}
 2132 + 43.6 \\
 1610 \\
 \hline
 522
 \end{array}
 \qquad
 \begin{array}{r}
 57222 \\
 + 43.5 \\
 \hline
 1610
 \end{array}$$

1054

est 11.6 van diff. hilt  
to be rev

$$\begin{array}{r}
 24 \\
 1 \\
 12 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 240 \\
 15 \\
 20 \\
 \hline
 \end{array}
 \qquad
 \text{L.P.P.}$$

1

8

3

7749

June 12<sup>H</sup> Wednesday 1907  
L.B. Obs F. Rec

R Virginis 123307

12

12.27 +8.5  
13.45

1.18 H.

Spacia

14.2 = sid time

0.45 = HA

-12.0 = Dec

∴ 13:17  $\alpha_{\odot}$  RA∴ Dec = 1.4 too for 2<sup>d</sup>

R Virig cont.

12 34 +9.6

14 6

1 32 W

13.10.

Est 10.5

+7.6  
1.38 WWard off alkydure gas stove + put  
on provid. dew cap



June 12, 1907.

~~85720~~

085720 T. bauri

$$\begin{array}{r}
 8.48 \\
 13.12 \\
 \hline
 4.24
 \end{array}$$

Abandoned  
and identity

V. Books 142539

$$\begin{array}{r}
 14.26 \\
 14.34 \\
 \hline
 8.11
 \end{array}$$

9.00

8.11

est 8.2

$$\begin{array}{r}
 0.14 W \\
 + 39.0 \\
 14:
 \end{array}$$

R. Hydrea 132422

$$\begin{array}{r}
 13.22 \\
 15.02 \\
 \hline
 1.40 W
 \end{array}$$

Est 6.2

$$\begin{array}{r}
 -28.4 \\
 \hline
 1.47 W
 \end{array}$$

R. Gumbel 142584 15.6.

$$\begin{array}{r}
 15.10 \\
 15.10 \\
 \hline
 15.11
 \end{array}$$

$$\begin{array}{r}
 +84.5 \\
 \hline
 15.11
 \end{array}$$

$$\begin{array}{r}
 +78.4 \\
 0.19 W \\
 15.11
 \end{array}$$

ht 8.7

Gr 36

10

~~R B~~ June 12<sup>th</sup> 1907  
 R Booris 14 32 27

77<sup>39</sup>

14.37  
 15.13

+27.2

9.42

0.36 N

+21.2

St 8.2

0.44 N

15.17

R. R Hercules 16 01 50

15.16

+50.3

15.20

36 E region too high  
 abandoned

R Draconis 16 32 66

16.30

+67.4

15.54

56 E

10 02

Abandoned  
 Can't set telescope  
 with any accuracy

5  
 —  
 —  
 —  
 —

245

15

20

—

L.P.R.



(Wed) June 19, 1907

L.C. Alb. & Co. D 7746

Portico - Old 5" telescope

8 42	132422	R Hydrae	est 5.2	AL
8 44	154428	R Corvinae	est 5.6	AL
8 48	094211	R Leonis	est 9.0	5"
8 57	163266	R Draco	est 8.1	5"
9 00	210868	T Cephei	est 5.6	AL
9 08	001755	T Cass.	est 2.0	5"
9 12	243670	T Cephei	est 9.5	5"
9 26	093178	γ Draco	est 10.0	5"
9 36	160150	RR Herc	est 4.0 f	5"
9 40	202539	RW Cygni	est 3.0 f	5"
9 45	213843	RR Cygni	est 8.2	5"
9 56	213753	RM Cygni	est 2.2 f	5"
10 00	190108	R Aquilonis	est 11.8	





Thurs June 27 (1907)

P.C. Ob. 150-773

- 9 32 R Hydrae <sup>132422</sup> ~~4.6~~ est Var 5  
 than "h" ~~equal~~ on other side of  
 bright star. #6
- 9 33 R Coronae ~~4.6~~ 154428 est 5.2

2 264  
 - 15  
 - 20  
 -

L.P.R.

14

Monday July 8/1907.  
 JD-7765 LC Obs. Columbia Conn

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8 30 Telescope arrived today. unpacked  
 same, but too cloudy to do any observing  
 and too, the charts need sorting first.



(Tues.) July 9, 1907

LC Ob. ID. 7766 Columbia, Conn.  
F. C. Rec.

- 8 46 R Hydrae 132422 Est. F. G. 4.0
- 8 48 R Coronae 154428 Est. F. G. 5.8
- 8 50 R Bootis 143227 5" Est 9.8
- ~~8 52~~
- 8 55 R Virginis 123307 5" Est 10.2
- 8 56 S Ursa Majoris 123460 5" Est 10.0
- 8 57 R S Ursa Majoris 123459 5" Est 10.3, 1d  
a b L 5 C 6 d 2d 5e 4e' 6g 6h
- 9.00 S. Ursa Majoris 123961 5" Est 8.0
- 9 1 S Virginis 132706 5" Est 11.0
- 9.05 V Virginis 132202 5" Est 9.0
- 9.18 R Can. Ven. 134440 5" Est 12.0
- 9.18 S. S. Agni 213843 5" Est 12.0  
L V = 12.8

July 9 1907

916	S Bootis	141954	5" est. <del>10.1</del> <sup>9.5</sup>
		142	
919	V Bootis	142539	5" est. 9.4
921	P Camelopardalis	142584	5" est. 8.8
929	S Coronae	151731	5" est. 9.9
934	R Serpentis	154615	est. S.V. <del>est 6.5</del>
943	R Draconis	163266	est. 7.7
950	T Herc	180531	est 5" = 23.3f
955	R Magitt	191019	5" est 11.2
958	RW Magitt	190819	5" est 9.6
1000	RX Magitt	190818	5" est 10.1
1003	S' Magitt	191319	5" est m. 1 <u>N</u>
1007	R Cygni	193449	5" est 9.0
1010	RT Cygni	194048	5" extra 6.6 <del>7.0</del>
1013	PU Cygni	194348	5" est 23.3b
1017	X Cygni	194632	5" est 9.5



July 9, 1907

(10 25) N. Scapin ent 12.2 5' 161122 b(10 27) R. Scapin TTB ent 5.6 184205

27	291	
1	16	L.P.P.
8	20	
—	—	

18

July 10, 1907 (Wed)

RC. clb

A: 30

100 much cloud to observe



LC Obs July 11, 1907 (Thurs)

p 30 Cldy & Raining

July 12, 1907 (Friday)  
P.C. Obs. & Rec 7769

8 15 Somewhat broken clouds floating but will try to observe.

8 40 X Cancri 083274 5"  
 8 45 ext. van = 12.0  
 8 48 Perfectly clear now  
 T Virginis 120905 5" ext 11.8

9 02 122532 T Can Ven 5" ext 8.8

9 10 140113 2 Boobis 5" ext 9.0

9 14 144914 2 Boobis 5" ext 10.7

9 25 142205 R N Virgin 5" ext 8.2 N

9 30 143417 V Librae ext 9.6 - 5"

9 40 150018 RT Librae ext 8.2 N

9 45 150519 T Librae ext 11.0 5"

9 50 150605 4 Librae ext 11.0 - 5"

9 56 151520 5 Librae ext 9.0 - 5"

10 00 151822 R N Librae ext 6.3, 3.4" - 5"



July 12, 1907

10	06	<u>153020</u>	X Librae var diff est 12.5	5"
10	10	<u>153620</u>	U Librae est 11.5	5"
10	14	<u>154020</u>	Z Librae est 12.0	5"
10	20	<u>153215</u>	ZV Librae est 13. <u>2</u>	5"
10	24	<u>155018</u>	R/L Librae est 10.8	5"
10	30	<u>153378</u>	S/Ls Min est cd, 2c'	5"
10	35	<u>152714</u>	R/L Librae est cd, 2d	5"
10	38	<sup>8</sup> <u>213743</u>	S/L Cygni est 12.0	5"
10	42	<u>160021</u>	Z Scorpi est d/f, 3e	5"
10	44	<u>160519</u>	W Scorpi est m 2 <u>2</u>	5"
10	47	<u>160221</u>	X Scorpi est f 5 <del>2</del> Var	5"
10	50	<u>162119</u>	Z Hese. est 1.2	5"
10	52	<u>162815</u>	T Oph est h2, 2h	5"
11	03	<u>162816</u>	S Oph. est f2, 3g	5"
11	07	<u>164319</u>	K R Oph. est 10.2	5" <sup>23</sup> <sub>14</sub> <sup>31/4</sup> <sub>20</sub> <sub>25</sub>

22

Sat July 13, 1907

L.C. Webb

(Comm.)

8 - 10

Too hazy &amp; cloudy



Sunday July 14, 1907

L.C. Obs.

Columbia Conn

8 0

Hazy

9 0

Clear but too tired to observe

24

Mon July 15, 1907.

L.C. Ob. J.D. 7772 Columbia Conn.

8 05 095421 ✓ Leonis 5" est 6.5 alt low

8 10 W Leonis 104814 5" est 11.0 alt low

8 12 V Canoe <sup>5</sup> 154439 5" est 10.0

8 15 R Herc 160118 5" est 10.5

8 24 Z Virginis 140512 5" est 11.8

8 26 R Coronae 154428 F. 6. est 6.0

Sky considerably hazy

8 28 R Hydrae 132422 F. 4. est 4.0  
Sky quite hazy in this region.

8 31 S. P. Cygni 218843 5" est. 11.9

8 34 R Scuti 184205 F. 4. est. 5.3

8 43 R. R. Herculis 160150 5" est d. 2, 2e  
altitude high

R V Herculis 165131 5" est 12.3

8 50 Variable scarcely seen. altitude high, sky clear in this



July 15, 1907.

- A 55 Sky growing cloudy in north & west
- 9 00 204016 T Deeph 5" est 10.4
- 9 05 203816 N Deeph 5" est 10.3 m
- 9 10 202817 Z Deeph 5" est 11.9
- 9 14 201008 R Deeph 5" est 9.3
- 9 16 200938 R D Cygni 5" est 8.0
- 9 22 174406 R S Oph. 5" est 11.2
- 9 27 171401 Z Ophiuchi 5" est 10.0
- 9 32 160210 U Serpens - h<sub>2</sub> 2h - est 5"
- 9 40 161607 W Ophiuchi h<sub>3</sub> N - 5"
- 9 46 204405 T Aquarii 5" est 9.4
- 9 50 213678 N Cephei est 5" = 9.9
- 10 00 235350 R Cassiope est 5" = 8.2

10 10 Sky quite hazy, dew heavy making it hard  
 work to observe. Will quit for tonight.

22  
1336  
21  
26

L.P.P.

26

(Tues. July 16, 1907.)

L.C. Abbs.

Columbia, Conn.

P 00 Too cloudy to observe tonight.



Wed. July 17, 1907

L.C. Obs Columbia, Conn

f - 10 cloudy & rainy.

28

(Thurs) July 18, 1907

LC obs

Columbia Conn.

8 - 10

Too cloudy to observe

(Friday) July 19, 1907

LC Obs.

Columbia, Conn

No. 7776

8:00

cloudy.

8:30

Some clear in Cygnus.

8:35

S Cygni 213843 at 12.0 sky hazy 5"

8:40

to

10:00

Too cloudy to observe further.

1	337	
—	21	L.P.P.
—	<u>28</u>	



30

Stat. July 29, 1907

L.C. Ab.

Columbia Conn

ID. 7777

8 20

Wanted telescope but too cloudy  
to observe.

10 00

Heavy thunder shower

Sunday July 21, 1907

LC Abber Columbia Con.

LD-7778

Moon very bright, but sky clear

- 20 SS Cygni 213443 5" est 12.0  
 40 001755 TCass 5" est 7.5  
 45 021558 S Persei 5" est 9.5 alt low  
~~55~~ 043065 TCamelop 5" est 11.8  
 02 053068 S Camelop 5" est 8.5  
 12 151714 S Serpens 5" est 9.2  
 18 093178 J Draco 5" est 8.9  
 22 200938 RS Cygni 5" est 8.8  
 26 160625 RU Herculis 5" est as, 0 b  
 32 161138 W Coronae 5" est 11.7 fl in moon  
 38 170627 RT Herc. 5" est 12.1 ft.  
 42 171723 RS Herc 5" est b 2, 2 c  
 45 ~~181205~~ R Scuto 4 1/2" est 5.0

July 21/1907

- 9 52 175111 RT Aph. 5" ext 10.9
- 10 50 175458 T Draco. N.f. comp. ext h<sub>23</sub>k
- 10 02 Var (v.p. comp) ext = p 5109
- 10 10 181136 W Lyra ext 5" = 7.2 (high)
- 10 13 210868 T Cephæi ext ~~4.2~~ = 6.4
- 10 22 182306 T Serpentis 5" ext n 5 N

Waze & alt. clouds scattered  
over sky

- 10 28 183308 X Ophiuchi 5" ext 7.0
- 10 34 190108 R Aquilæ 5" ext 11.8
- 10 40 190967 U Draco. 5" ext 9.0
- 10 44 191717 T Regillæ 5" ext 8.9
- 10 48 201647 U Cygni ext 9.2 5"
- 11 08 Too much haze to continue further.

23 360

1 28 L.P.P.  
— 28



(Mon). July 22, 1907.

LC. Obs.

Columbia, Conn.

JD 7779

S-10

sky all cloudy, and some strain.

34

Tues. July 23, 1907

L.C. Obs.

Col. Conn.

8 - 10

Too cloudy to observe

(Wed.) July 24/1907

8-9.

all cloudy, no chance to observe

10-11

Too cloudy for eclipse of moon.



36

(Thurs.) July 25, 1907

L.C. Alb. Columbia Conn.

8 - 10

T<sub>28</sub> Layy & cloudy with bright moon.

July 27 to Aug 3, 1907

In Cambridge observing  
with the 24" reflector.  
L.C.

38

8-10

Aug 4, 1907 (Sunday)  
L.C. Obs Columbia  
cloudy cows



(Moon) Aug 5, 1907  
 RC. Obs. Col. Conn.

JD 7793  
 f 30 N. N. Cygnus 5" int 11.6 213843  
 Through gap - clouds

f-35 Too cloudy for more observations  
 tw  
 10

1	361	
—	28	L. PP
—	28	
—	—	

40

(Tuesday) Aug 6, 1907

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Col. Com L.C. Alb.

8-10

All cloudy

(Wed) Aug 7, 1907  
 RC Obs. J.D. 7795 Col. Conn.

8:10	213843	N <sup>o</sup> Cygni	ext 5" = 11.6
8:16	181136	W Lyrae	ext 5" 7.8
8:19	183308	X Gph.	ext 6.8 #18
8:24	190967	U Draco	5" ext 9.2
8:32	151731	N <sup>o</sup> Corvæ	ext 11.1 5"
8:40	175111	RT Ceph.	5" ext 10.1
8:50	143227	R Bootes	5" ext 11.6
8:55	154428	R Corvæ	#18. ext 5.9
9:02	153378	S <sup>o</sup> Ursa	5" ext 8.0

9 37<sup>0</sup>  
 — 28 L. PP  
 — 28  
 — —



42

(Thurs) Aug 8, 1907  
L.C. Obs. Columbia, Conn.  
all cloudy

8 to 10

(Friday) Aug. 19, 1907

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L.C. Obs. Columbia, Con.

8 00

cloudy, rain threatening.

44

(Sat.) ~~for~~ Aug. 10, 1907

R.C. Obs. Columbia Conn.

8:30

Too tired to observe, altho clear.



(Sunday) Aug. 11, 1907  
L.C. Obs. Columbia, Conn.

JD 7799

8:00  $\delta$  Cygni 213843 est 11.2 5"  
 8:15 R Cassiop. 235350 est 6.3 5"  
 8:17 R Comae 154448 est 6.0 5" fader.  
 8:30 all cloudy heavy fog.

3 373  
 — 28 C. PP  
 — 28  
 —

(Mon.) Aug. 12, 1907

LC. Obs. JD 7800

Columbia, Conn

7 30

Mint telescope.

8 00

R Cygni 213843 5" est 10.6

8 05

sky not perfectly clear but  
will try to observe more!

8 08

R Coronae 154428 AB est 6.0

8 12

T Cephei 210868 AB est 6.7

8 20

R Cygnus 191033 5" cz 2d  
Region low in haze, but obs.  
considered good

8 26

γ Draco 093178 5" est 8.4

8 32

R Coronae 115919 5" est 8.2

8 38

R Urs Maj -103769 5" est 11.6

8 42

T Urs Maj 123160 5" est 11.3

8 44

δ " " 123961 5" est 8.9

8 52

154639 V Coronae 5" est 10.7

Aug 12, 1907

8 5 f ~~R~~ S Bootis 141954 est 5" = 8.6

9 05 R Camelop. 142584 5" est 9.4

9 11 R Herc. 160112 5" est 12.1

9 16 R Superstis 154615 5" est 8.8

9 30 Too much cloud & fog to continue tonight.

14 3 87  
28  
28

L. P. P.



(Tues.) Aug. 13, 1907

L.C. Obs. J.D. 7801 Columbia  
Conn.

- 7 30 Mitted telescope
- 7 45 S<sup>h</sup> Cygn est 9.6 5" 213843
- 8 10 T Cass 001755 5" est 8.4
- 8 22 γ Cephei 008179 5" e 5 N
- 8 35 Z Cephei 021281 5" γ 5 N
- 8 42 S<sup>h</sup> Canlop 053068 5" est 8.2
- 8 50 X Uss. Maj 083350 5" est c2, 2d  
region low, est fairly good
- 9 05 U Uss Min 141567 5" est b3, obs
- 9 12 154536 X Corone 5" est fr N
- 9 20 155229 - Corone 5" est g3 N
- 9 25 160210 U Lepentis b2, oc 5"
- 9 29 160021 Z Scorpi 5" est b2, 2c
- 9 35 162807 S<sup>h</sup> Herc 5" est a2, 2c

Aug 13, 1907

- 9 41 R Draco 163266 est 2.9 5"  
 9 46 RR Oph. 164319 est 5" = 2.6  
 9 50 Z Ophiuchi 171401 est ~~6.3~~ 3.0 5"  
 9 56 R Herc 171723 est 2.1 5"  
 10 00 T Draco 175458 est 2.3 5"  
 10 02 Var Sp. T Draco est 2.2 5"  
 10 08 R Ophiuchi 5" 174406 est 10.9  
 10 12 T Herc 180531 5" est 9.5  
 10 18 R Z Herc 183225 5" est 1.0  
 10 24 R Sagitt. 191019 5" est 9.5  
 10 26 Z Sagitt. 191321 5" est < 12.0  
 10 30 T Sagittae 191717 5" est 2.6  
 10 36 R Herc 164715 5" est 12.0  
 10 42 RR Herc 160150 5" est 9.2



Aug 13, 1907

- 10 47 194632 X Cygni est 11.2 5"
- 10 52 R Delph. 201008 est 8.5 5"
- 11 00 S Cephei 203678 est 10.2 5"
- 11 06 192928 TY Cygni est 9.7 5"
- 11 12 193449 R Cygni est 10.7 5"
- 11 15 194048 RT Cygni est 9.8 5"
- 11 22 194604 X. Aquilae est n 3 22
- 11 28 190818 R X Sagitt est 5' = 11.7
- 11 32 190919 RW Sagitt. est 5' = 9.5
- 11 40 001838 R Androm est 8.9 = 5"
- 11 45 0017 ~~26~~ T Androm est 11.2 = 5"
- 11 49 004047 21 Cassio est 10.8 5"
- 11 55 001046 X Androm est 10.5 E 5"
- 12 00 021024 R Arietis est 9.3 5"



Aug 13/1907

- 12 05 S Persei 021558 5" est 2.2  
 12 09 U Persei 015254 est 10.0 5"  
 12 15 R Triang 023133 est A.0 5"  
 12 30 Closed up for tonight.

37	424	L.P.P.
6	34	
—	28	
—	—	

(Wed) Aug 14 1907

LC. Obs. JD. 7802 Columbia  
Conn.

9 00 S.S. Cygnus 213843 alt A. 3 5"

9 20 Long cumulus cloud in S.E. & a small  
one in S.W. Both have a decidedly darker  
appearance than the surrounding sky.  
Moon just setting in the West.

1 425  
35 L.P.P.  
28  
—

Thurs. Aug 15, 1907

LC Ob JD 7803 Columbia Conn

- 9 00 Mounted telescope
- 9 10 S'V Cygni 213843 est 5.1 5"
- 9 15 R Scuti 184205 est 5.8 #2.
- 9 22 184243 RW Lyrae 5" est 10.5
- 9 30 191350 TZ Cygni 5" est 11.0
- 9 40 194308 ~~R~~ TU Cygni 5" est 3.42
- 9 50 172809 RU Oph. 5" est C 1.4d
- 9 55 est comp\* = a b c d e f g h
- 9 59 T Delph. 204016 5" est 11.7
- 10 02 S Delph 203816 5" est l2, 3 m
- 10 09 R Vulpec 205923 5" est L.P
- 10 15 T Aquarii 204605 5" est 10.4
- 10 18 Y Aquarii 203905 5" var KS
- 10 22 W Aquarii 204104 5" a'2, 4a'



54

Aug. 15, 1907

- 10 29 200715a Maginlae 5" est h<sub>2</sub> 4m
- 10 35 20093F R Cygni 5" est 9.0
- 10 40 201647 W Cygni 5" est 9.3
- 10 43 202539 R W Cygni c<sub>2</sub> 2d 5"
- 10 49 220613 Y Pegasi 5" d<sub>2</sub> 3e
- 10 56 230110 R Pegasi 5" est 10.1
- 11 02 23150F S Pegasi 5" est A.7

18	443	L.
1	36	<del>R.P.</del>
7	25	
<u>7</u>	<u>25</u>	

0.1

Fri. Aug 16, 1907.

---

R.C. Obs. D-7804 Columbia Conn.

7.5  
to  
10.

All cloudy rain threatening.

Stat. Aug. 17, 1907

LC. Ob

HD 2805

8:00

Too cloudy to observe now



(Sunday) Aug 18 1897.

LC Ob. J.D. 7406 Columbia, Conn.

A 00 Too much cloud for observing

Mon. Aug. 19, 1907  
 L.C. Obs. H.D. 7807 Columbia, Conn.

8 : 00	U Bootis	144918	est 11.7	5"	
8 A	T Librae	est 10.5	5"		<u>150519</u>
8 12	KU Librae	est 8.9	5"		<u>152714</u>
8 20	K <sup>81</sup> Librae	est 10.5	5"		<u>151122</u>
8 26	U Librae	est 9.8	5"		<u>153620</u>
8 32	Z Librae	est 10.4	5"		<u>154020</u>
8 40	S <sup>1</sup> Scorpi	est 9.3	5"		<u>161122 b</u>
8 46	V Cepheid	162112	5"	est 10.3	
8 50	Rγ Herc.	est 9.4	175519	5"	
9 00	V Draco	est 12.0	175654	5"	
9 8	T Sagittarii	est 8.3	<u>191017</u>	5"	
9 15	S <sup>1</sup> Sagittarii	est 11.5	<u>191319</u>	5"	
9 22	R R Aquilae	est 11.6	<u>195202</u>	5"	

Aug 19, 1907

- 9 30 V Aquarii 204102 est 11.2 5"
- 9 38 RR Pegasi 214024 est 11.2 5"
- 9 42 S S Cygni 213843 est 11.4 5"
- 9 50 S Lacertae 222439 est 11.0 5"
- 9 57 R Lacertae 223841 est 10.2 5"
- 10 00 Too cloudy to continue.

18	461	
—	36	L.P.P.
—	25	
—	—	



Tues. Aug 29, 1907  
 L.C. Ob. Columbia, Conn.  
 12.7808

8 - 10 Too cloudy.  
 11 00 clear now  
 11 10 U And <sup>010940</sup>~~004433~~ est 92.3 f  
 11 15 J And 013338 est 92.2 h  
 11 22 J Persei 032042 est 85  
 11 30 R Persei 032335 est 120 diff to est  
 11 36 T Camelopard 043065 est 12.1 ft to est  
 11 42 R Aurigae 050953 est 10.1 ft to est  
 11 50 U Aurigae 053531 est 8.3  
 11 57 S Lyncis 063558 est 92.2 h  
 12 04 RT Pegasi 215934 est 82.2 f  
 12 15 RS Pegasi 220714 est 82.2 f  
 12 20 Too cloudy again

40  
 11  
 11  
 11

47  
 36  
 25  
 11

L.P.P.

Wed. Aug. 21/1907

L.C. Obs.

Col. Conn.

8:00 Noon too bright, & some cloud

62

Thurs Aug. 22, 1907

LC. Obs.

Col. Conn.



Thi. Aug. 23, 1907

L.C. Obs. Col. Com.

2.00

Cldy & rainy

64

Sat. Aug. 24, 1907

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PC obs Columbia Conn

8-10

all cloudy

Sunday Aug 25 1907

L.C. Obs. J.D. 7813 Columbia, Conn

7 30

Too cloudy

8 00

Mit'd telescope, now clear

8 10

S<sup>2</sup> Cygni 213843 5" est 12.0

8 16

R Coronae FB 154428 est 5.7

8 20

R Cassio FB 235350 est 6.2

8 24

R Sauter FB 184205 est 5.4

8 30

Cloudy again

9 00

Moon rising, some clearer

9 08

004958 W Cas 5" est 8.5

9 12

X Cass 014958 5" est 13.2 ft. to end

9 17

V Cas 230759 5" est 9.0

9 22

V Androm 004433 5" est 9.5

9 30

RR And 004533 5" est a'2, 2 a"

Clouds again 9 moon to bright to

9 40

continue to advantage

L  
9 1000  
36  
25



Mon. Aug. 26, 1907

LC Obs. J.D. 7814 Columbia, Conn.

7 30 Mnt'd telescope. Now clear.

7 35 S'S Cygni 213843 est 12.0 5"

7 42 V Bootis 142539 est 11.0 5"

7 48 S'Min 153328 est 6.2, 2a 5'

7 55 W Draco 180565 h 2, 2f 5"

8 00 X Draco 180666 55 72 5"

8 06 160150 RR Herc. 5" est 9.4

8 12 194048 RT Cygni 5" est 10.6

8 16 193449 R Cygni 5" est 11.2

8 20 200715a S' Aquilae est 5" = 10.2

8 25 201121 RT Capricorni est 5" = 7.5

8 28 <sup>8</sup>200122 W Capric est 5" = 12.2

8 35 231425 W Pegasi 5" est 12.5

Aug 26, 1907

8 42 V Delph. 204318 est 95 N

8 50 R Capric 200514 est < 12.0

8 55 Moon beginning to have its effect

9 00 200906 Z Aquilae 5" est if seen lower

9 08 202622 RU Capric 5" est 12.1 m

9 15 204215 U Capric 5" est 11.7

9 22 210124 V Capric 5" est < 11.5

9 30. Sky growing poorer, with moisture  
in the air

will have to quit for tonight.

13	493	PP
5	41	
<u>5</u>	<u>25</u>	



Sat. Sept. 7/1907.

LC Obs. JD 7826

Columbia  
Cour.

- 8 00 clear      ~~Unit telescope~~  
 8 06 S<sup>2</sup>N Cygni 213843 5" est 12.0  
 8 09 R<sup>2</sup> Magittai 191033 6 2, 2 c. est  
 8 12 T Cassio 001755 5" est 9.0  
 8 16 X Androm 0010K6 5" est 3' 0.5 f  
 8 20 T Androm 001726 5" est 11.8  
 8 25 R Androm 001438 5" est 9.6  
 8 28 R Corone 154428 5" finder est 6.0  
 8 32 U Cassio 004047 5" est 11.7  
 8 36 U Persei 015254 5" est 10.4  
 8 40 S Persei 021558 5" est 9.6  
 8 46 R Draco 163266 5" est 9.2  
 8 50 S<sup>2</sup> Herc. 162807 5" est a 2, 3 c  
 8 53 Z Oph. 171401 5" est a 4, 2 b



Sept 7, 1907

- 8 58 R Herc 171723 5" est  $e' 2, 2f$   
 9 04 R S Oph. 174406 5" est 11.2  
 9 10 R T Oph. 175111 5" est 11.5  
 9 15 T Draco 175488 5" est  $h 2, 4h$  (N.P.)  
 9 17 — Draco 175458 5"  $e' 2, 2s$  — est S.pra  
 9 22 180531 T Herc 5" est 10.9

Haze &amp; cloud in N. &amp; NE.

- 9 30 181136 W Lyrae 5" est  $e' 2, 0f'$   
 9 38 190967 U Draco 5" est 10.5  
 9 44 235320 R Cass. est 6.7 5"  
 9 50 021024 R Antares est 5" = 10.7  
 9 54 023133 R Traug est 8.9 5"  
 9 58 050953 R Antares est 9.7 5"  
 10 02 055068 S Camel. est 7.8 5"

Sept 7, 1907

- 10 10 093174 Y Draco 5" est 9.1
- 10 14 103769 R UMa 5" est 11.5
- 10 17 151731 S Coronae 5" est 11.7 low
- 10 22 154615 R Serpens 5" est 9.2
- 10 26 190108 R Aquilae 5" est 10.2
- 10 30 193449 R Cygni 5" est 11.6
- 10 34 194632 X Cygni 5" est 12.2
- 10 39 200938 R S Cygni 5" est 11.6
- 10 44 201647 W Cygni 5" est 9.7
- 10 50 203847 V Cygni 5" est 12.0
- 10 56 204405 T Aquarii 5" est 11.2
- 11 00 205923 R Vulpec 5" est 7.6
- 11 06 213678 S Cephei 5" est 10.2
- 11 12 222439 S Lacertae 5" est 9.1
- 11 17 223841 R Lacertae 5" est 9.5

Cloudy Sept 7, 1907

11 20 2.31.08 S Regani 5" est 99

11 25 2.33.15 R Aquarii 5" est 8.6

11 29 1.42.54 R Camelopard 5" est 10.7

11 34 2.30.10 R Regani 5" est 8.3

11 40 Too Cloudy to continue closed up

45	538	
—	41	L.P.P.
—	25	
—	—	



Thurs. Sept. 12, 1907

LC. Ob. JD. 7831 Col. Conn.

7 00 Unitd. telescope.

7 12 V Bootis 142539 est 11.2 5"

7 20 S' Serpens 151714 est 9.0 5"

7 28 V Corone 154639 5" est 11.4

7 32 U Herc. 162119 est 5" = 9.8

7 40 X Ophiu. 183308 est 7.5 5"

7 48 S' Ursu 153378 est 12.2 5"

7 55 191717 T Sagittae est 9.0 5"

8 02 S' Delph. 203816 5" est 10.5

8 12 204016 T Delph. 5" est 12.3

8 20 T Cephei 210468 5" est 8.0

8 28 R Delphu. 201008 5" est 8.5

8 38 V Androm 006025 est 10.0 5"

Sept. 12, 1907

- 8 44 RR And. 004533 est a<sup>2</sup>, 2b 5"
- 8 52 WCass 00958 est 8.7 5"
- 9 00 010940 U Androm est f0.2g 5"
- 9 10 Y Androm 013338 est 1/33/h 5"
- 9 15 X Cassio. 014958 est f0.25 5"
- 9 23 Y Persei 032043 est p.p. 5"
- 9 30 R Persei 032335 est 11.2 5"
- 9 34 053531 U Aurigae est 9.0 5"
- 9 44 S Lynce 063558 est f2.2g 5"
- 9 50 RW Lynce 185243 est 9.5 5"
- 10 00 192928 TY Cygni est 8.5 5"
- 10 08 RT Cygni 194048 est 12.0 5"
- 10 12 TU Cygni 194348 est 24.2f 5"
- 10 20 S Aquarii 225120 est 9.7 5"
- 10 30 Closed up for tonight  $\frac{1}{25}$  563 L. pp  
42  
25

Tues. Sept. 17, 1907.

LC Ob & Rec JD 7836

HCO

new 5" telescope

7 25

R Coronae 154428 FLE est 6.0

7 27

R. Mante 184205 FLE est 4.4

Setting of telescope

Altair

19 46 + F.6

19 34

0

12 E

Decl in 5° out

Reset same.

7 40

R. Androm 5<sup>m</sup> out; reset same

Androm

24 3 + 24.6

19 41

4. 22 East

OK

7 42

52 Cygni 213443

21 38 + 43.6

19 43

1 55 East

19 43

1.56 E

+ 43.0

7 44

est 11.7

V Cassiope 230759

23 0 + 54.6

19 46

3 14 East

19 49

3.15 E

+ 54.0

7 50

est 6.0



Sept. 17, 1907.

RV Hercules 165631

16 55 + 31.1

19 52

est 8.5

19.58

3:16 W

+ 800

F 00

2 57 W

Clouds in W

RV Her May 403769

10 32 + 69.4

20.02

20 00

+ 698

F 03

9 28 W

est

11.3

9:17 W

RV Equule 210412

21 7 + 124

20 5

1. 2 East

Too cloudy

A 10

A 25

Lut for tonight.

6  
—  
—  
—

569

42

25

L.P.P.

Wed. Sept. 25, 1907.

L.C. Obs. JD-7044 5" telescope.

6 32 R Corona 154428  $\Delta$  est 5.86 54 R Scuto 144205  $\Delta$  est e3.3f

$\Delta$  Cygni 213843 est 11.9  
 21 37 +43.6 2:42  
 19 37 +43.0  
 2 02 19:37

Z Bootis 140113 ~~est~~

7 12 14 0 +14.2  
 19 40 Region too low  
 5 40 W

7 17 This May 123160 est 11.8  
 12 23 +59.4  
 19 43 7:9 W  
 7 20 W +59.6

7 19  $\Delta$  UMa 123961 est 11.0  
 6:59 W  
 +61.3

7 21  $\Delta$  UMa 123459 est 13.2m  
 7:7 W  
 +58.7  
 19:51



Sept. 25, 1907.

162112 V Cephireia. est 10.6  
 3:50 W  
 -13.4  
 20.14

7 45  
 16 19 - 11.8  
~~19 54~~  
 3 35 W

16 0210 U Serpentis est e 2.4 f

7 53  
 16 0 + 10.2  
 20 16  
 4 16 W  
 4:16 W  
 20:24  
 +9.0

R y Cephireia 181103 e 3.3 f  
 2:33 W  
 8 18  
 18 7 + 3.6  
 20 27  
 2 20 W  
 18 14 + 3.4  
 20 4 1/2  
 2 30 W  
 +1.8  
 20:48

a 5 b 4 c 3 d 4 e 5 f 6 k 4 h 4 g 6 l  
 14 15 67 U Ura Min.  
 est e 3.3 f

8 26  
 14 15 + 67.6  
 20 52  
 6 37. W  
 6:25 W  
 +67.0  
 20:56

Sy Boots 141954 est 10.0  
 14 18 + 54.2  
 20 58  
 6 40  
 6:32 W  
 +58.8  
 21:1

8 31



78

Sept 25, 1807

160130 RR Herc est

9.8

21.7

+49.8

44.5 W

8 37

15 56 +50.2

21 06

5 10 W

R Sagitt.

191019

Est 7.8

19 9 - 19.3

21 9

2 0 W

21.3 W

-21.4

21.15

8 45

8 48

RW Sagitt.

Est 10.0

190819

look up to 9.5

21.4 W

-20.7

21.4

8 48

R Sagitt.

190818

Van N.S.

R Sagitt.

191319

21

21.06 W

-21.1

21.20

8 50

est 11.0

moon up

193311 RT Aquilae

19 40 +10.2

21 25

1 45 W

est 11.5

+1.46 W

+9.6

21.34

9 04

~~moon up~~

Sept. 25, 1907

193509 RV Aquilae

8 59

Var NST &lt; 11.6

$$\begin{array}{r}
 1:50 W \\
 + 8.2 \\
 \hline
 21:29
 \end{array}$$

RV Aquilae 20075a est 10.0

9 13

20 f + 14.4

1:31 W

21 36

+ 13.2

$$\begin{array}{r}
 21 \ 36 \\
 \hline
 1 \ 24 W
 \end{array}$$

21:43

RV Aquilae 200712

est 10.4

20 6 + 11.4

1:41 W

21 46

+ 10.4

$$\begin{array}{r}
 21 \ 46 \\
 \hline
 1 \ 40
 \end{array}$$

21:53

191350 TZ Aquilae est 10.4

9 45

19 12 + 50.0

19 32 + 49.9

2:53 W

22 03

22 10

+ 44.4

$$\begin{array}{r}
 22 \ 03 \\
 \hline
 2 \ 51 W
 \end{array}$$

$$\begin{array}{r}
 22 \ 10 \\
 \hline
 2 \ 38 W
 \end{array}$$

22:15

W Capricorni 200722

9 52

20 10 - 22.4

2:12 W

22 20

est &lt; 11.0

- 23.4

$$\begin{array}{r}
 22 \ 20 \\
 \hline
 2 \ 10 W
 \end{array}$$

22:22

80

Sept. 25, 1907

RT Capric 20112<sup>1</sup>- 23 4  
2:12 W  
22:24

9 54

est 7.0

201130 SIX Aggr est

20 11 + 31.0

20 10 + 30.6

22 27

22 31

2 16 W2 21 W

10 00

&lt; N.S. &lt; 9

O Ceto 021403

26 12 - 3.6

23 5

3 7 E

10 40

Moon too bright to see

19

582

4

46

L.P.P

9

34



Thurs Sept. 26, 1907

LC Obz ID 7845 HCO

Ry Sag 191033 est 22.40

19:47

-34.2

19 8 - 335

Rest Ded Lin

0:37 W

19 28

0 20 W

a 4.8<sup>c</sup> 4.4<sup>b</sup> 4.6 3.9 3.7 4.4 7.6 5.6 6.0

N<sup>o</sup> Cygni. 2138 X 3 est 11.9

21 37 + 436

1:46 E

19 54

+41.2

1 43 E

19:03

161607 W Alphindin est 22.3 f

3:40 W

16 15 - 7.1

-7.2

21 57

20:05

19

3 42 W

200906 Z Aquilae est f 3.39

20 7 - 6.8

0:2 E

20 7

-6.8

0 0

20:10

Sept 26, 1907

202622 RU Capric. est.  $\delta$  22.5

20 24 - 22.6

0.1 A E  
- 22.6

7 44

20 13

20.19

0 1.1 East

203611  $\gamma$  Daphni est  $< 11.8$ 

20 35 + 11.0

0.16 E

7 48

20 22

+ 11.1

0 13 E

20.23

204102 V Aquarii Est A. A

20 40 + 2.0

0.11 E

7 57

20 25

+ 2.0

0 15 E

20.32

204815 U Capric. est 11.5

20 15 - 15.6

- 15.6

7 A 5

20 35

0.4 E

0 20 W

20.40

210126 V Capric. est 11.7

21 00 - 25.5

- 25.5

8 13

20 47

0.16 E

0 13 E

20.48

look up region

Sept. 26, 1907

R<sup>h</sup> Aquarii 210504 est 20, 4d

$$\begin{array}{r}
 \delta 26 \quad 21 \ 02 - 4.4 \quad -4.9 \\
 20 \ 50 \quad 0.7 E \\
 \hline
 0 \ 12 E \quad 21.01
 \end{array}$$

Z Capric. 210516 est 21, 2B

$$\begin{array}{r}
 \delta 34 \quad 20 \ 59 - 16.3 \quad -16.5 \\
 21 \ 6 \quad 0.3 W \\
 \hline
 0 \ 7 W \quad 21.09
 \end{array}$$

X Capricorn 210221 est 11.5

$$\begin{array}{r}
 \delta 38 \quad 21 \ 0 - 21.8 \quad -22.3 \\
 21 \ 11 \quad 0.10 W \\
 \hline
 0 \ 11 W \quad 21.13
 \end{array}$$

T Capric. 211615 est 11.8

$$\begin{array}{r}
 \delta 41 \quad 21 \ 14 - 17.5 \quad -16.1 \\
 21 \ 14 \quad 0.1 E \\
 \hline
 0 \ 0 \quad 21.16
 \end{array}$$

Y Capric. 212814 est 11.8

$$\begin{array}{r}
 \delta 46 \quad 21 \ 26 - 14.2 \quad -14.8 \\
 21 \ 8 \quad 0.9 E \\
 \hline
 0 \ 8 E \quad 21.21
 \end{array}$$



Sept 26, 1907

215717 U Aquarii est 11.6

$$\begin{array}{r} \delta 57 \quad 21 \ 54 - 17.6 \\ \underline{21 \ 24} \\ 0 \ 30 \ 2 \end{array}$$

$$\begin{array}{r} -17.7 \\ 0.33 \text{ E} \\ \hline 21.26 \end{array}$$

R Equulei 210812 N.S. l'3 N

$$\begin{array}{r} \delta 57 \quad 21 \ 7 + 12.4 \\ \underline{21 \ 29} \\ 0 \ 22 \text{ W} \end{array}$$

$$\begin{array}{r} +11.6 \\ 0.21 \text{ W} \\ \hline 21.32 \end{array}$$

 $\delta / X$  Cygni 201130 est 9.3 N

$$\begin{array}{r} 9 \ 04 \quad 20 \ 11 + 31.0 \\ \underline{21 \ 33} \\ 1 \ 22 \text{ W} \end{array}$$

$$\begin{array}{r} +30.2 \\ 1.23 \text{ W} \\ \hline 21.39 \end{array}$$

201437b W Cygni. est 9.5 K

$$\begin{array}{r} 9 \ 09 \quad 20 \ 12 + 37.6 \\ \underline{21 \ 40} \\ 1 \ 28 \text{ W} \end{array}$$

$$\begin{array}{r} +36.6 \\ 1.24 \text{ W} \\ \hline 21.44 \end{array}$$

202539 R.W. Cygni est 8.4

$$\begin{array}{r} 9 \ 12 \quad 20 \ 17 + 39.8 \\ \underline{21 \ 45} \\ 1 \ 28 \text{ W} \end{array}$$

$$\begin{array}{r} +39.3 \\ 1.18 \text{ W} \\ \hline 21.47 \end{array}$$

Sept. 26, 1907

ST Cygni 20295X

Est 9.7

+54.2

1.15 W

21.52

9 17

20 27 +54.2

21 49

1 22 W

RZ Cygni 204446 est

20 43 +47.2

20 43

21 53

22 00

1 10 W

1 21 W

9 30

Can't identify, abandoned

O Ceti 021403 est

26 12 -36

23 18

2 54 E

10 45

Objective derided.

15 603

5 51 L.P.P.

10 64

Thurs. Oct. 10, 1907  
 LC. Obs. J.D. 7859 HCO.

$\delta$  Cygni 213843 alt 11.9

$$\begin{array}{r} 21 \quad 37 + 43.6 \\ 7 \quad 23 \quad 20 \quad 51 \\ \hline \quad \quad 14 \\ 0 \quad 46.2 \end{array}$$

$$\begin{array}{l} \text{Obs.} \\ \text{Read.} \end{array} \left\{ \begin{array}{l} 20:53 \\ 0:50.2 \\ +41.0 \end{array} \right.$$

$\delta$  Aquilae 194608

$$\begin{array}{r} 19 \quad 46 + 4.6 \\ 20 \quad 55 \\ \hline 1 \quad 9 \text{ W} \end{array}$$

$$\begin{array}{l} \text{Obs.} \\ \text{Read.} \end{array} \left\{ \begin{array}{l} 20:56 \\ 1:6 \text{ W} \\ +4.6 \end{array} \right.$$

$\delta$  Lyrae

$$\begin{array}{r} 18 \quad 34 + 38.7 \\ 20 \quad 57 \\ \hline 2 \quad 23 \text{ W} \end{array}$$

$$\begin{array}{l} \text{Obs.} \\ \text{Read.} \end{array} \left\{ \begin{array}{l} 20:58 \\ 2:18 \text{ W} \\ +38.9 \end{array} \right.$$

$\beta$  Herc.

$$\begin{array}{r} 16 \quad 26 + 21.7 \\ 20 \quad 59 \\ \hline 4 \quad 33 \text{ W} \end{array}$$

$$\begin{array}{l} \text{Obs.} \\ \text{Read.} \end{array} \left\{ \begin{array}{l} 21:00 \\ 4:29 \text{ W} \\ +22.5 \end{array} \right.$$



Oct 10, 1907

E Urs May

$$\begin{array}{r} 12 \quad 50 \quad +56.5 \\ 21 \quad 02 \\ \hline 8 \quad 12 \text{ W} \end{array}$$

$$\begin{array}{r} 21.3 \\ 8.5 \text{ W} \\ +56.5 \end{array}$$

L Rho Min

$$\begin{array}{r} 25 \quad 23 \quad +88.8 \\ 21 \quad 05 \\ \hline 4 \quad 18 \text{ E} \end{array}$$

$$\begin{array}{r} 21.6 \\ 3.2 \text{ E} \\ +86.7 \end{array}$$

B Cass

$$\begin{array}{r} 24 \quad 4 \quad +58.6 \\ 21 \quad 7 \\ \hline 2 \quad 57 \text{ E} \end{array}$$

$$\begin{array}{r} 21.57 \text{ E} \\ +56.6 \\ 21.8 \end{array}$$

J And

$$\begin{array}{r} 25 \quad 58 \quad +41.8 \\ 21 \quad 9 \\ \hline 4 \quad 49 \text{ E} \end{array}$$

$$\begin{array}{r} 21.10 \\ 4.48 \text{ E} \\ +40.2 \end{array}$$

L Arieta

$$\begin{array}{r} 26 \quad 2 \quad +23.0 \\ 21 \quad 11 \\ \hline 4 \quad 51 \text{ E} \end{array}$$

$$\begin{array}{r} 4.51 \text{ E} \\ +21.3 \\ 21.12 \end{array}$$

Oct 10, 1907

B Ceti

$$26 \quad 39 \quad -18.5$$

$$21 \quad 14$$

$$\hline 3 \quad 25.2$$

$$31.28 \text{ E}$$

$$-20.4$$

$$21.14$$

E Regani

$$21 \quad 39 \quad +9.4$$

$$21 \quad 16$$

$$\hline 0 \quad 23.2$$

$$21.17$$

$$0.26 \text{ E}$$

$$+7.0$$

To go on to 24" telescope

$$\begin{array}{c} 1 \\ \hline \hline \hline \hline \end{array} \quad \begin{array}{c} 1 \\ \hline \hline \hline \hline \end{array} \quad \text{L.P.P.}$$

Wed. Oct. 16, 1907  
 L.C. Obs. H.C.O. J.D. 7865  
 5" tel.

12 0 3 Ceti eye est =  $\frac{3.9}{4.0}$

Moon setting. sky somewhat free from haze.

R Fornacis 02 24 26

2 23 - 27.0	2 23
<u>2 03</u>	<u>2 13</u>
0 20 E	0 10 E

T Orionis 05 30 05

12 13	5 28 - 5.5	est 10.7	2.13
	<u>2 8</u>		3.16 E
	3 20 E		- 5.5

S Orionis 05 24 04

12 19	5 21 - 4.8	est 8.5	- 4.8
	<u>2 17</u>		3.4 E
	3 4 E		2.19

R Orion 04 53 07

12 27	4 47 + 7.5	est 11.6	2.27
	<u>2 21</u>		2.24 E
	2 26 E		+ 7.7

S S Cygni 21 34 43

12 37	est 11.8	4.56 W
		+ 4.23
		2.37



Oct. 16. 1907.

V Orion 050003

est 22f

2:52

12 52

5 00 + 4.4

2:48

2 40

4 58 + 1.0

+ 3.7

2 20 E2 462 12 E

Z Tauri 054615

est k1 N

5 42 + 14.2

3:1

13 01

2 54

2:44 E

2 48 E.

+ 15.6

St Thomas 034124

est f3, 3g = 8.6

3 42 - 24.2

3:6

13 06

3 03

0:34 E

0 39 E

- 24.6

N Eridani 03 4625

3:13

13 13

Var &lt; 11.2

0:30 E

- 25.5

V Monoc 061702

6 16 - 3.1

3:22

3 16

13 22

3 0 E

est 6.5

+ 2:54 E

+ 2.4

Oct. 16, 1907

R Monoc 063304

$$\begin{array}{r}
 6 \quad 33 + 100, \\
 3 \quad 25 \\
 \hline
 13 \quad 28 \quad 3 \quad 0 \quad \epsilon
 \end{array}$$

cannot separate star from nebula

W Monoc. 064707

$$\begin{array}{r}
 6 \quad 44 - 64 \quad \text{ext } 110 \\
 3 \quad 52 \\
 \hline
 13 \quad 54 \quad 2 \quad 52 \quad \epsilon
 \end{array}$$

$$\begin{array}{r}
 3.55 \\
 2.51 \epsilon \\
 \hline
 -7.4
 \end{array}$$

065111 Y Monoc  
ext b3, 22

$$\begin{array}{r}
 6 \quad 49 + 11.4 \\
 3 \quad 52 \\
 \hline
 14 \quad 00 \quad 2 \quad 51 \quad \epsilon
 \end{array}$$

$$\begin{array}{r}
 +11.1 \\
 2.50 \epsilon \\
 \hline
 4.60
 \end{array}$$

X Monoc. 065204

$$\begin{array}{r}
 6 \quad 53 - 89 \quad \text{ext } 80 \\
 4 \quad 02 \\
 \hline
 14 \quad 03 \quad 2 \quad 51 \quad \epsilon
 \end{array}$$

$$\begin{array}{r}
 4.3 \\
 2.47 \epsilon \\
 \hline
 -8.9
 \end{array}$$

R Gemini 070122

$$\begin{array}{r}
 7 \quad 1 + 22.9 \quad \text{ext } 80 \\
 4 \quad 6 \\
 \hline
 14 \quad 09 \quad 2 \quad 55 \quad \epsilon
 \end{array}$$

$$\begin{array}{r}
 2.50 \epsilon \\
 +22.7 \\
 \hline
 4.9
 \end{array}$$

Oct. 16, 1907

V Can Min 070109

14 13

$$\begin{array}{r}
 > 0 + 2.2 \text{ ext } 2.2d \\
 4 \ 10 \\
 \hline
 2 \ 50 \ \varepsilon
 \end{array}$$

$$\begin{array}{r}
 4.13 \\
 2.46 \ \varepsilon \\
 + 2.7
 \end{array}$$

070310 R Can Min -  
ext 10.5

14 16

$$\begin{array}{r}
 > 3 + 10.0 \\
 4 \ 14 \\
 \hline
 2 \ 49 \ \varepsilon
 \end{array}$$

$$\begin{array}{r}
 4.16 \\
 2.46 \ \varepsilon \\
 + 10.0
 \end{array}$$

RR Monoc 071201 ext 9.2

14 23

$$\begin{array}{r}
 > 10 + 1.5 \\
 4 \ 18 \\
 \hline
 2 \ 52 \ \varepsilon
 \end{array}$$

$$\begin{array}{r}
 4.23 \\
 2.48 \\
 + 1.1
 \end{array}$$

R Leforis 0455-14.5 ext 2.0

14 36

$$\begin{array}{r}
 4 \ 55 - 15.0 \\
 4 \ 24 \\
 \hline
 0 \ 31 \ \varepsilon
 \end{array}
 \quad
 \begin{array}{r}
 4 \ 51 - 14.5 \\
 4 \ 35 \\
 \hline
 0 \ 16 \ \varepsilon
 \end{array}$$

$$\begin{array}{r}
 4.36 \\
 0.16 \ \varepsilon \\
 - 14.7
 \end{array}$$

T Leforis 050022 ext 2.0d

14 40

$$\begin{array}{r}
 5 \ 0 - 22.5 \\
 4 \ 37 \\
 \hline
 0 \ 22 \ \varepsilon
 \end{array}$$

$$\begin{array}{r}
 4.40 \\
 0.10 \ \varepsilon \\
 - 2.6
 \end{array}$$



Oct 16, 1907.

V Gemini ~~071713~~ 071713

$$\begin{array}{r}
 7 \quad 13 \quad +13.4 \\
 4 \quad 63 \\
 \hline
 2 \quad 30 \quad \Sigma
 \end{array}
 \quad
 \begin{array}{r}
 4'45 \\
 2'31 \quad \Sigma \\
 +13.2 \\
 \hline
 \text{revers}
 \end{array}
 \quad
 \begin{array}{l}
 \text{Var} < 11.5
 \end{array}$$

S Gemini 073723

$$\begin{array}{r}
 7 \quad 37 \quad +23.7 \\
 4 \quad 47 \\
 \hline
 2 \quad 50 \quad \Sigma
 \end{array}
 \quad
 \begin{array}{r}
 4'53 \\
 2'52 \quad \Sigma \\
 +23.4 \\
 \hline
 14.53
 \end{array}
 \quad
 \begin{array}{l}
 \text{est} < 11.8
 \end{array}$$

T Gemini 074323 est 10.2

$$\begin{array}{r}
 7 \quad 39 \quad +24.1 \\
 4 \quad 54 \\
 \hline
 2 \quad 45 \quad \Sigma
 \end{array}
 \quad
 \begin{array}{r}
 5'5 \\
 2'36 \quad \Sigma \\
 +23.6 \\
 \hline
 15.5
 \end{array}$$

U Gemini 074922

$$\begin{array}{r}
 15.8 \quad \text{est } h, \underline{U} \\
 5'8 \\
 2'38 \quad \Sigma \\
 +21.7 \\
 \hline
 \end{array}$$

S Can Min 072708

$$\begin{array}{r}
 7 \quad 20 \quad +8.6 \\
 5 \quad 16 \\
 \hline
 2 \quad 10 \quad \Sigma
 \end{array}
 \quad
 \begin{array}{r}
 5'11 \\
 2'14 \quad \Sigma \\
 +8.4 \\
 \hline
 15.11
 \end{array}
 \quad
 \begin{array}{l}
 \text{est } 7.8
 \end{array}$$

94

Oct. 16, 1907

T Can Min 072811

15 21

$$\begin{array}{r}
 7 \quad 27 \quad +12.2 \quad \text{est } 10.5 \\
 5 \quad 14 \\
 \hline
 2 \quad 13 \quad \varepsilon
 \end{array}
 \quad
 \begin{array}{r}
 51.21 \\
 2.6 \quad \varepsilon \\
 +11.6
 \end{array}$$

$$\begin{array}{r}
 7 \quad 22 \\
 5 \quad 18 \\
 \hline
 2 \quad 4 \quad \varepsilon
 \end{array}$$

U Can Min 073508 est 10.3

15 35

$$\begin{array}{r}
 7 \quad 34 \quad +8.7 \\
 5 \quad 23 \\
 \hline
 2 \quad 11 \quad \varepsilon
 \end{array}
 \quad
 \begin{array}{r}
 11.59 \quad \varepsilon \\
 +8.4 \\
 5.35
 \end{array}$$

Comet

$$\begin{array}{r}
 24 \quad -8.3 \\
 5 \quad 36 \\
 \hline
 2 \quad 48 \quad \varepsilon
 \end{array}$$

R Cancri 081112 est 8.2

16 02

$$\begin{array}{r}
 9 \quad +11.8 \\
 6 \quad 0 \\
 \hline
 2 \quad 9 \quad \varepsilon
 \end{array}
 \quad
 \begin{array}{r}
 2.6 \quad \varepsilon \\
 +11.6 \\
 6.2
 \end{array}$$

V Cancri 081617

16 05

$$\begin{array}{r}
 14 \quad +17.5 \\
 6 \quad 04 \\
 \hline
 2 \quad 14 \quad \varepsilon
 \end{array}
 \quad
 \begin{array}{r}
 \text{est } 9.8 \\
 2.8 \quad \varepsilon \\
 +17.4 \\
 6.5
 \end{array}$$

Oct 16, 1907.

U Cancri 083019

$$\begin{array}{rcl}
 & \delta \ 30 + 19.2 & \text{Var } < 11.0 \\
 16 \ 17 & \begin{array}{r} 6 \ 07 \\ \hline 2 \ 23 \ \epsilon \end{array} & \begin{array}{r} 6:17 \\ 2:21 \ \epsilon \\ + 1.9 \end{array}
 \end{array}$$

slight smudges on objective now

P Hydrae 084803

$$\begin{array}{rcl}
 & \delta \ 41 + 3.1 & < 11.5 \\
 16 \ 22 & \begin{array}{r} 6 \ 18 \\ \hline 2 \ 23 \ \epsilon \end{array} & \begin{array}{r} 6:22 \\ 2:24 \ \epsilon \\ + 3.2 \end{array}
 \end{array}$$

W Cancri 090425 - ext c4,0d

$$\begin{array}{rcl}
 & \delta \ 3 + 26.0 & \\
 16 \ 34 & \begin{array}{r} 9 \ 3 \\ 6 \ 23 \\ \hline 2 \ 40 \ \epsilon \end{array} & \begin{array}{r} 9 \ 3 \\ 6 \ 33 \\ \hline 2 \ 30 \ \epsilon \end{array} \begin{array}{r} 2:24 \ \epsilon \\ + 25.6 \\ 16:34 \end{array}
 \end{array}$$

R Leo Min 093934

$$\begin{array}{rcl}
 & \delta \ 34 + 35.8 & \\
 16 \ 31 & \begin{array}{r} 9 \ 34 \\ 6 \ 29 \\ \hline 3 \ 00 \ \epsilon \end{array} & \begin{array}{r} \text{ext } 9.6 \\ 6:31 \\ 3:5 \ \epsilon \\ + 34.6 \end{array}
 \end{array}$$

R Leonis 094211

$$\begin{array}{rcl}
 & \delta \ 39 + 120 & \\
 16 \ 38 & \begin{array}{r} 9 \ 39 \\ 6 \ 36 \\ \hline 3 \ 3 \ \epsilon \end{array} & \begin{array}{r} \text{ext } 2.4 \\ 3:1 \ \epsilon \\ + 11.6 \\ 6:32 \end{array}
 \end{array}$$



Oct. 16, 1907

V Leonis 095421 at 10.9

$$\begin{array}{r}
 1642 \quad 9 \quad 52 \quad + 21.7 \quad 3:10.8 \\
 \quad \quad 6 \quad 40 \quad + 21.6 \\
 \hline
 \quad \quad 3 \quad 12.2 \quad 6.42
 \end{array}$$

T Hydrae 085008

$$\begin{array}{r}
 1646 \quad 8 \quad 54 - 8.6 \quad 2:48 \\
 \quad \quad 6 \quad 40 \quad - 9.4 \\
 \hline
 \quad \quad 2 \quad 10.2 \quad 6.46 \\
 \text{Var} < 100
 \end{array}$$

Twilight coming & too strong  
to continue
$$\begin{array}{r}
 27 \\
 8 \\
 \hline
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 28 \\
 8 \\
 \hline
 \hline
 \end{array}
 \quad
 \text{L.P.P.}$$

Thurs. Oct 17, 1907.  
 LC-Ob JD 7866 HCO.

7 00 Moon bright & some haze.

7 11 S. A. C. 213843  
 est < 9.5

21.8

0.29 E

+42.8

~~Diff~~ Diff to see fl. stars.

RVulpeculae 205923

20 52 +21.8

21 15

0 23 W

S. A. C. 213843 in 12" hazy. Tel.

7 30 est 11.9

Too much moonlight & haze to  
 continue with advantage.

1 29

1 9

= =

P.P.

(Tues) Oct. 22, 1907.  
 LCOB J.D. 7871 H.CO.

---

R Draconis 163266  
 16 25 + 67.4  
 21 49  
 5 24 W

16 33 + 66.5  
 21 53  
 5 20 W

9. 00

Too much haze & cloud & moon  
 light to observe with advantage



(Thurs) Oct 24 1907  
 LC. Ob JD. 7873 HCO.

5" on flat roof.

R Aquilae 190108

7 3 19 0 +8.0 2:59 W  
 5 21 48 est 6.4 22:00  
 2 48 W +8.4

2 Aquilae

19 46 +8.6  
 21 53  
 2 7 W

7 10 0 Ceto 021403 eye est 3.6

7 12 R Coronae 154428 F. est 5.9

R Draco 163266

7 41 16 26 +67.4 5:22 W  
 22 03 est 11.6 +6.0  
 5 37 W 22:06

RV Herc. 165631

7 47 16 55 +31.1 5:12  
 22 08 est 11.7 +32.5  
 5 13 W 22:12

100

Oct. 24, 1907

X Aquilae 194604

7 57

19 46 + 4.0 est 9.9

$$\begin{array}{r} 22 \quad 19 \\ \hline 2 \quad 33 \text{ W} \end{array}$$

22:22

+ 8.5

2:35 W

mag 7 stars c & d are probably  
interchanged look up.

d considerably &gt; c

200715a. X Aquilae

p 02

20 f + 14.6 est 11.0

22 24

$$\begin{array}{r} 22 \quad 24 \\ \hline 2 \quad 16 \text{ W} \end{array} \quad \text{at } 11.0$$

22:27

2:19 W

+ 15.2

RR Herc. 160150

15 56 + 50.2

22 29 est 8.4

$$\begin{array}{r} 22 \quad 29 \\ \hline 6 \quad 33 \text{ W} \end{array}$$

6:26 W

+ 52.4

22:33

p 08

Z Aquilae 200906

20 7 - 6.4

22 34

$$\begin{array}{r} 22 \quad 34 \\ \hline 2 \quad 27 \text{ W} \end{array}$$

2:26 W

- 6.4

22:36

p 11

Oct. 24, 1907

R Delphin 201008

22:43

$$\begin{array}{r}
 20 \ 10 \ +4.5 \ \text{est } 11.4 \\
 8 \ 18 \ 22 \ 3A \\
 \hline
 2 \ 2A
 \end{array}$$

+8.8

2:33W

W Herc 163137

$$\begin{array}{r}
 16 \ 36 \ +36.7 \ \text{est } 97 \\
 8 \ 22 \ 22 \ 46 \\
 \hline
 6 \ 10W
 \end{array}$$

6:12W

+39.0

22:44

V Aquarii 204102

est 8.7

$$\begin{array}{r}
 20 \ 41 \ +2.0 \\
 8 \ 44 \ 22 \ 3 \ 04 \\
 \hline
 2 \ 23W
 \end{array}$$

$$\begin{array}{r}
 20 \ 42 \ +1.0 \\
 23 \ 9 \\
 \hline
 2 \ 27W
 \end{array}$$

23:10

2:29W

+2.2

R Regasi

230110

$$\begin{array}{r}
 23 \ 0 \ +9.4 \ \text{est } 8.9 \\
 8 \ 56 \ 23 \ 14 \\
 \hline
 0 \ 14W
 \end{array}$$

0:19W

+9.6

23:22

W Urs Min 141567

$$\begin{array}{r}
 14 \ 16 \ +67.5 \ \text{est } 25.1d \\
 9 \ 03 \ 23 \ 24 \\
 \hline
 9 \ 8W
 \end{array}$$

2 9:11W

+69.0

23:29



Oct 24 1907

10 37 69 Run Maj. est 77

$$\begin{array}{r}
 9 \quad 8 \quad 34 \quad 32 \quad +69.2 \\
 23 \quad 32 \\
 \hline
 11 \quad 00 \quad E
 \end{array}$$

$$\begin{array}{r}
 10.52 E \\
 +71.0 \\
 \hline
 23.34
 \end{array}$$

W Ceti. 235715

$$\begin{array}{r}
 23 \quad 51 \quad -15.0 \\
 23 \quad 36 \\
 \hline
 0 \quad 15 \quad E
 \end{array}$$

est a'43a

$$\begin{array}{r}
 0.22 W \\
 -17.0 \\
 \hline
 \pm 0.20
 \end{array}$$

$$\begin{array}{r}
 9 \quad 55 \quad 23 \quad 57 \quad -10.0 \\
 24 \quad 12 \\
 \hline
 0 \quad 15 \quad W
 \end{array}$$

S S Cygni 213743

$$\begin{array}{r}
 10 \quad 01 \quad 21 \quad 37 \quad +43.6 \\
 24 \quad 21 \\
 \hline
 244 W
 \end{array}$$

est f.6

$$\begin{array}{r}
 2.42 W \\
 +43.5 \\
 \hline
 24.24
 \end{array}$$

S Lacertae 222439

$$\begin{array}{r}
 10 \quad 07 \quad 22 \quad 25 \quad +39.2 \\
 24 \quad 25 \\
 \hline
 2 \quad 0 \quad W
 \end{array}$$

est f.0

$$\begin{array}{r}
 0.30 \\
 2.2 W \\
 +39.6
 \end{array}$$

Oct. 24, 1907

22 3841 R Larentae

10 13 22 38 + 41.0 est 10.2  
 24 32  
 1 54 W

+41.8  
 1.54 W  
 0.36

19 48  
 — 9 L.P.P.  
 —

Friday Nov. 1, 1907

~~Leob. 10.7881 H.C.D.~~  
 S Cygni 213543 5" 1.2 W  
 +43.3  
 22.44  
 est 9.0

7 47

T Perseus #2306

18 21 +6.2  
 22 46 Est 13.3 h  
 4 25 W  
 22.30  
 7 53

R Z Herc #3225

18 27 +25.6  
 22 52 Est 11.8  
 4 25 W  
 23.06  
 4.30 W  
 +26.8  
 8 09

Ty Cygni 192928

19 25 +27.6  
 23 08  
 3 43 W Var 11.5  
 23.10  
 +28.8  
 3.38 W  
 8 13

S Lyrae 190925

19 6 +26.0  
 23 36 Est 10.5  
 4 30  
 4.29 W  
 +27.0  
 23.42  
 8 45



Nov 1, 1907

839  $\beta$  Ceti 021403  $\epsilon$  35

V Regani 215605-

848  $\frac{21\ 54 + 52}{23\ 44}$   $\epsilon$  3.1 C  $\frac{11.48}{+5.6}$   
 $\frac{1\ 50 W}{23:45}$

TZ Cygni 191350

851  $\frac{19\ 12 + 49.8}{23\ 46}$   $\epsilon$  10.9  $\frac{4:28}{+5:10}$   
 $\frac{4\ 34 W}{23:48}$

St. Was Min 153372

856  $\frac{15\ 47 + 78.0}{23\ 50}$   $\epsilon$  10.0  $\frac{23:53}{+5:10}$   
 $\frac{8\ 03 W}{8:30 W}$

T Cephri 210868

900  $\frac{21\ 5 + 68.0}{23\ 55}$   $\epsilon$  9.0  $\frac{23:57}{2:38}$   
 $\frac{2\ 50 W}{+6:26}$

JD. 7881

Nov. 1, 1907

Y Draco 093178

$$\begin{array}{r} 929 + 7.7 \\ 00 \end{array}$$

$$\hline 929.2$$

Error 433

$$\begin{array}{r} 6 \\ 948 \\ 2342 + 35.6 \\ 24.05 \\ \hline 023W \end{array}$$

$$\begin{array}{r} 0.43 \\ 0.54W \\ + 355 \end{array}$$

look up later on

0:

N

V Cygni 203847

$$\begin{array}{r} 951 \\ 2043 + 47.4 \\ 2446 \\ \hline 43W \end{array} \quad \text{est } 11.2$$

$$\begin{array}{r} 4.4W \\ + 48.6 \\ 0.48 \end{array}$$

RR Pegasi 214024

$$\begin{array}{r} 953 \\ 2138 + 25.0 \\ 2449 \\ \hline 311W \end{array} \quad \text{est } \beta 3, 25$$

$$\begin{array}{r} 0.52 \\ + 25.3 \\ 3.9W \end{array}$$

Nov. 1, 1907

R Piscium 012502

$$\begin{array}{r}
 120 + 3.0 \\
 10 \ 12 \quad \frac{1 \ 2}{0 \ 18 \ E} \quad \text{est } 12.0 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 0.16 E \\
 + 2.2 \\
 \hline
 1.09
 \end{array}$$

U Rensci 015254

$$\begin{array}{r}
 1 \ 52 + 5.3 A \\
 10 \ 20 \quad \frac{1 \ 10}{0 \ 42 \ E} \quad \text{est } 10.5 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 1.17 \\
 \cancel{0.41} \\
 0.41 E \\
 + 5.2.2 \\
 \hline
 \end{array}$$

R Lynce 065355-

$$\begin{array}{r}
 6 \ 48 + 5.5 A \\
 10 \ 20 \quad \frac{0 \ 18}{6 \ 30 \ E} \quad \text{est } 8.5 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 1.25 \\
 6.30 E \\
 + 55.0 \\
 \hline
 \end{array}$$

U Orionis 052920

$$\begin{array}{r}
 5 \ 46 + 20.2 \\
 10 \ 34 \quad \frac{2 \ 20}{48 \ 18 \ E} \quad \text{est } 11.2 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 0.9 E \\
 + 10.2 \\
 \hline
 11.31
 \end{array}$$

T Orionis 053005

$$\begin{array}{r}
 5 \ 24 - 5.6 \\
 1 \ 33 \\
 \hline
 3 \ 55 E \quad \text{est } 9.5 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 3.56 E \\
 - 7.5 \\
 \hline
 1.35
 \end{array}$$



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Nov 1, 1907

St. Louis 052404

3:50 E

-64

1:37

1040

est 9.0

Clouds

Eros 433

23 49 +35.5

25 39

1 50 W

An examination of  
the photo plate shows  
that ~~the~~ asteroid was  
not found. L.C.  
07-11-2

from a reexamination of  
the region it looks as tho  
~~the~~ neither of the sup stars  
~~were~~ are the asteroid.

10 50

Too much cloud &amp; dew to continue

18	66	P.P.
—	9	
—	—	
—	—	

(Fri) Nov. 8, 1907.

LAB HCO. 22.788.

P<sup>1</sup> Cygni 213843

(5" on roof)

7 15 est 11.8

22:30

1:57 W

+ 43.3

X Androm. 001046

267 7 + 46.0

22 47  
1 20 E

7 35 Too much haze & cold to observe

200 Clearer now.

T Aquarii 204405

20 40 - 5.6

23:30

8 03

23 28

est 10.0

248 W

-5K

2:46 W

R Aquarii 233815

23 35 - 16.2

-160

0:48

8 07

23 31

est 10.0

0 4 E

23:34

110

Nov. 8, 1907

234716

Z Aquarii

$$\begin{array}{r} 23:39 \\ 0:19 \text{ E} \\ -16.8 \end{array}$$

8 11 est a 3, 4

R Pegasi 230110

23 3 +9.0

23:45

+9.6

$$\begin{array}{r} 23 \quad 40 \\ \hline 0 \quad 37 \text{ W} \end{array}$$

0:40 W

8 20 More cloudy

8 22  $\alpha$  Ceti 021403 Age est 35

8 35 Too cloudy to continue

$$\begin{array}{r} 6 \quad 72 \\ - \quad 9 \text{ L.P} \\ - \quad - \\ - \quad - \end{array}$$



Wed. Nov. 13, 1907

B 374

20 01 00

20 02 00

20 03 00

B 236

20 01 23.8

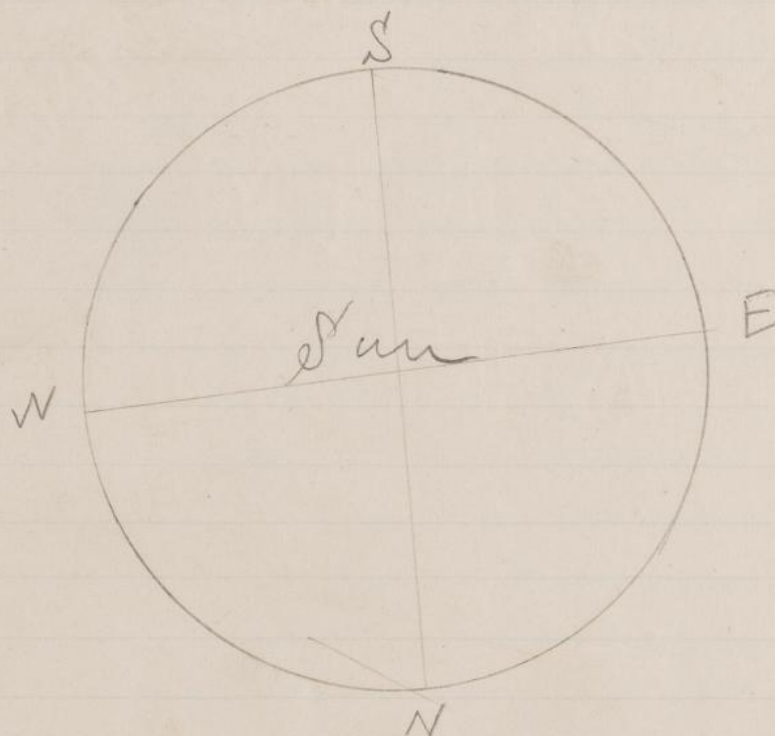
20 02 24.0

20 03 24.2

20 29 00

20 29 28.5

Observation with 6" telescope (west equator)  
of transit of Mercury. L.C. Obs.



20 48 48

50 24

50 58

3d contact

15th contact

20 48 16

20 50 ~~24~~ 26

Nov. 13, 1907

B 394  
 20 53 00  
 20 54 00

B 236  
 20 53 32.4  
 20 54 32.5

3<sup>d</sup> contact thought to be fairly  
 certain as regards the time, not  
 so much certainly with 4<sup>th</sup>  
 contact

Thurs. Nov 14, 1907  
 L.C. Os. J.D. 7894 5" Lacey

11 45 Too much cloud to mount  
 telescope now.

12 00 more cloudy

12 15 growing more cloudy still.



114

(Sat) Nov. 30, 1907

D. 7910 R.C. Obs.

Ever found not here

7 10

~~at  $\alpha 3^h 2^m$~~  see width  
 for  $23^h 42.5^m + 28^s 50'$  (1853)
T Aquarii 204405

$$\begin{array}{r} 2040 - 55 \\ 2410 \\ \hline 330W \end{array}$$

$$\begin{array}{r} 2044 \\ 2438 \\ \hline 354W \end{array}$$

7 RCP

Too low &amp; hazy

Ever again

$$\begin{array}{r} 2337 + 245 \\ 2427 \\ \hline 050W \end{array}$$

0:50 W

+26.3

0:35

 Arrived correctly identified  
 now

7 1/5

$$\begin{array}{r} 8.5 \\ \alpha 5, \delta 2.5 \end{array}$$

Nov 30, 1907

R Regasi 230/10

$$\begin{array}{r}
 23 \ 3 \ +9.0 \\
 24 \ 40 \\
 \hline
 1 \ 37 \ W \\
 \text{est } 10.3
 \end{array}$$

$$\begin{array}{r}
 1'41 W \\
 +7.6 \\
 24:42
 \end{array}$$

S Regasi 2350f

$$\begin{array}{r}
 23 \ 19 \ +8.0 \\
 24 \ 45 \\
 \hline
 1 \ 26 \ W \\
 \text{est } 12.0
 \end{array}$$

$$\begin{array}{r}
 1'36 W \\
 +6.0 \\
 24:52
 \end{array}$$

P 04 @ Ceto 021403 est eye = 40

R Aquarii 23 8/15-

$$\begin{array}{r}
 23 \ 35 \ -16.2 \\
 24 \ 55 \\
 \hline
 1 \ 20 \ W \\
 \text{est } 9.2
 \end{array}$$

$$\begin{array}{r}
 1'22 W \\
 - \\
 -18.4 \\
 24:56
 \end{array}$$

Z Aquarii 234716

$$\begin{array}{r}
 23 \ 47 \ -16.4 \\
 24 \ 57 \\
 \hline
 1 \ 10 \ W \\
 \text{est } 8.9
 \end{array}$$

$$\begin{array}{r}
 1'12 W \\
 -18.6 \\
 1:00
 \end{array}$$

J. D. 1910

Nov. 30, 1907.

T Arctis 024217

$$\begin{array}{r}
 2 \quad 41 + 16.4 \\
 1 \quad 01 \\
 \hline
 1 \quad 40 \text{ E} \quad \text{est } 9.0 \\
 \end{array}
 \quad
 \begin{array}{r}
 1:40 \text{ E} \\
 +17 \text{ E} \\
 \hline
 1:3
 \end{array}$$

W Rensci 024356

$$\begin{array}{r}
 2 \quad 43 + 55.5 \\
 1 \quad 05 \\
 \hline
 1 \quad 38 \text{ E} \quad \text{est } 9.5 \\
 \end{array}
 \quad
 \begin{array}{r}
 1:11 \\
 1:34 \text{ E} \\
 +56 \text{ E} \\
 \hline
 \end{array}$$

R Arctis 021024

$$\begin{array}{r}
 2 \quad 2 + 25.2 \\
 1 \quad 18 \\
 \hline
 0 \quad 44 \text{ E} \quad \text{est } 10.8 \\
 \end{array}
 \quad
 \begin{array}{r}
 1:20 \\
 0:41 \text{ E} \\
 +25.0 \\
 \hline
 \end{array}$$

S/Cygni 213A43

$$\begin{array}{r}
 21 \quad 37 + 43.6 \\
 25 \quad 22 \\
 \hline
 3 \quad 45 \text{ W} \quad \text{est } 11.9 \\
 \end{array}
 \quad
 \begin{array}{r}
 3:41 \text{ W} \\
 +41.2 \\
 \hline
 25:25
 \end{array}$$

R Aurigae 050953

$$\begin{array}{r}
 5 \quad 3 + 53.0 \\
 1 \quad 28 \\
 \hline
 3 \quad 35 \text{ E} \quad \text{est } 8.9 \\
 \end{array}
 \quad
 \begin{array}{r}
 3:36 \text{ E} \\
 +54.0 \\
 \hline
 25: \\
 1:29
 \end{array}$$



Nov. 30, 1907

Fort DMS

R Lycur 065355

$$\begin{array}{r}
 9.00 \quad 6.50 + 53.0 \\
 \quad \quad 1.47 \\
 \hline
 \quad \quad 3.2 \quad \text{ext } 8.0
 \end{array}$$

$$\begin{array}{r}
 4.578 \\
 + 56.0 \\
 \hline
 1.52
 \end{array}$$

$$\begin{array}{r}
 9.04 \quad R \text{ Un } \text{mag } 10.3769 \\
 \quad \quad 10.32 + 69.5 \\
 \quad \quad 1.54 \\
 \hline
 \quad \quad A.3A \quad E \quad \text{ext } 8.2
 \end{array}$$

$$\begin{array}{r}
 8.1308 \\
 + 7.2 \\
 \hline
 1.55
 \end{array}$$

X Obs. 031401

$$\begin{array}{r}
 9.08 \quad 3.11 - 1.5 \\
 \quad \quad 1.56 \\
 \hline
 \quad \quad 1.15 \quad E \quad \text{ext } 11.8
 \end{array}$$

$$\begin{array}{r}
 1.358 \\
 - 0.9 \\
 \hline
 1.59
 \end{array}$$

X Cannelop 043274

$$\begin{array}{r}
 9.26 \quad 4.38 + 75.6 \\
 \quad \quad 2.14 \\
 \hline
 \quad \quad 2.24 \quad E \quad \text{ext } 10.6
 \end{array}$$

$$\begin{array}{r}
 2.188 \\
 + 75.4 \\
 \hline
 2.16
 \end{array}$$

St Aurigae 052034

$$\begin{array}{r}
 9.31 \quad 5.17 + 34.2 \\
 \quad \quad 2.17 \\
 \hline
 \quad \quad 3.0 \quad E \quad \text{ext } 8.5
 \end{array}$$

$$\begin{array}{r}
 2.22 \\
 + 34.4 \\
 \hline
 2.578
 \end{array}$$

118

Nov. 30, 1907

U Aurigae 053531

$$\begin{array}{r}
 531 + 31.4 \\
 9 \quad 40 \quad \underline{2 \quad 24} \quad \text{ext } 9.4 \\
 3 \quad 7 \quad 2 \\
 \end{array}
 \quad
 \begin{array}{r}
 3.6 \text{ E} \\
 + 32.1 \\
 2.29
 \end{array}$$

Clouds  
U Orionis 054920

$$\begin{array}{r}
 549 + 20.0 \\
 2 \quad 56 \\
 \underline{2 \quad 53} \text{ E.} \quad \text{ext } 11.8 \\
 10 \quad 10
 \end{array}
 \quad
 \begin{array}{r}
 2.50 \text{ E} \\
 + 20.4 \\
 2.59
 \end{array}$$

clouds near

10 15 Too cloudy to continue

1A      90  
—      9      LP  
—      —  
—      —

Sat. Dec. 7, 1907

L.C. Obs.

JD. 7917

5<sup>11</sup>46.7 55 S<sup>1</sup> S Cygni 213743

21 37 +43.6

+41.2

25 07

3 30 W - est 2, 2f

3, 31 W

+1.14

✓ Cassiop 230759

25 4 +58.5

1:31

8 12

25 24

2 20 W - est 12, 2m

2:16 W

+58.6

+ Cephæ 210868

21 5 +67.6

1:40

8 21

25 35

4 30 W - est 9.5

+68.6

4:18 W

R U Cygni 213753

21 36 +54.2

1:45

8 26

25 42

4 6 W - est 8.9

4:4 W

+54.2

R R Pegasi 214024

1:50

A 31

21 38 +25.0

25 48

10 W - est 5.5 Var

4:6 W

+25.0



Dec. 7, 1907

W Regani 23/425

8 36

23 15 + 259

25 52

ent P. 6

2 37 W

1.55

2:39 W

+25.6

Z Aurigae 055353

5 50 + 535

2 00

3 50 2

6

96

—

9 L. P. P

—

—

—

JD 7931

Plot Dec 21, 1907

5" tel.

L.C. Obs.

5 40 o Ceto 021403 est eye 4.8

5 44 Man est eye Vega 2 Man 0.3  
 Man & Altair  $\frac{0.1}{0.2}$

5 47 Saturnus est eye Altair 3 Saturnus  
 1.2

✓ Agui est 203847

7 10  $\begin{array}{r} 2043 + 47.3 \\ 2517 \\ \hline 434 \text{ W} \end{array}$  est 11.6  $\begin{array}{r} 1:22 \\ +48.6 \\ \hline 4:39 \text{ W} \end{array}$

S' Ceto 001909

7 14  $\begin{array}{r} 0 \quad 12 - 9.6 \\ 1 \quad 24 \\ \hline 1 \quad 12 \text{ W} \end{array}$  est 100  $\begin{array}{r} 1:26 \\ 1:9 \text{ W} \\ - 10.4 \end{array}$

U Ceto 022813

7 20  $\begin{array}{r} 2 \quad 27 - 13.0 \\ 1 \quad 27 \\ \hline 1 \quad 0 \text{ E} \end{array}$  est 107  $\begin{array}{r} 1:32 \\ \text{th } 0:5 \text{ PE} \\ - 15.2 \end{array}$

122

J. D 7931

Dec 21, 1907

W Tauri 042215

$$\begin{array}{r}
 7 \quad 24 \quad 4 \quad 20 + 15.7 \quad 1.136 \\
 \quad \quad 1 \quad 34 \quad \quad \quad 2.462 \\
 \hline
 \quad \quad 246 \text{ E} \quad \text{est } 8.8 \quad + 14.3
 \end{array}$$

R Aurigae 050953

$$\begin{array}{r}
 7 \quad 30 \quad 5 \quad 5 + 5.0 \quad 1.42 \\
 \quad \quad 1 \quad 40 \quad \quad \quad + 53.0 \\
 \hline
 \quad \quad 325 \text{ E} \quad \text{est } 8.5 \quad 3.23 \text{ E}
 \end{array}$$

D Camelopard 053068

$$\begin{array}{r}
 7 \quad 34 \quad 5 \quad 28 + 68.6 \quad 1.46 \\
 \quad \quad 1 \quad 44 \quad \quad \quad + 66.8 \\
 \hline
 \quad \quad 344 \text{ E} \quad \text{est } 10.5 \quad 3.38 \text{ E}
 \end{array}$$

X Aurigae 060450

$$\begin{array}{r}
 7 \quad 39 \quad 6 \quad 01 + 50.0 \quad 4.102 \\
 \quad \quad 1 \quad 48 \quad \quad \quad + 48.6 \\
 \hline
 \quad \quad 413 \text{ E} \quad \text{est } 3.34 \quad 1.51
 \end{array}$$

R Pyrae 065355

$$\begin{array}{r}
 7 \quad 43 \quad 6 \quad 50 + 55.0 \quad 4.53 \text{ E} \\
 \quad \quad 1 \quad 53 \quad \quad \quad + 53.8 \\
 \hline
 \quad \quad 457 \quad \quad \quad \text{est } 9.0 \quad 1.55
 \end{array}$$



Dec. 21, 1907

Rus Maj 103769

$$\begin{array}{r}
 10 \ 32 \ +69.5 \\
 1 \ 56 \\
 \hline
 8 \ 36 \ E \\
 15 \ 24 \ \text{est } 9.2
 \end{array}$$

$$\begin{array}{r}
 8:26 \ E \\
 +68.8 \\
 \hline
 1:59
 \end{array}$$

RT Cygni 194048

$$\begin{array}{r}
 19 \ 40 \ +48.5 \\
 26 \ 00 \\
 \hline
 6 \ 20 \ W \ \text{est } 8.4
 \end{array}$$

$$\begin{array}{r}
 2:4 \\
 6:26 \ W \\
 +49.0
 \end{array}$$

Z Cygni 195849

$$\begin{array}{r}
 19 \ 57 \ +49.6 \\
 26 \ 07 \\
 \hline
 6 \ 10 \ W \ \text{est } 9.8
 \end{array}$$

$$\begin{array}{r}
 2:9 \\
 6:18 \ W \\
 +50.6
 \end{array}$$

RW Cyg 202539

$$\begin{array}{r}
 20 \ 17 \ +39.6 \\
 26 \ 11 \\
 \hline
 5 \ 54 \ W \ \text{est } 8.5
 \end{array}$$

$$\begin{array}{r}
 2:14 \\
 5:45 \ W \\
 +40.8
 \end{array}$$

Note 28

$$\begin{array}{r}
 15 \ 11.1. \\
 = 8.11. \\
 =
 \end{array}$$

J.D 7936

Phrus. Dec. 26, 1907,  
 RC Obs. J.D. 7936

8:15 some cld., but clear  
 than earlier.

S Cygni 213843

+42.2

5:32W

8 42  
 21 37 +43.6  
 27 12  
 5 35W  
 est 11.9

3:14

R Pegasi 230110

3:18

4:16W

8 46  
 23 3 +9.0  
 27 17  
 4 14W  
 est 11.5

+8.9

S Lacertae 222439

3:23 ~~4~~

+38.8

4:54W

8 51  
 22 24 +39.3  
 27 20  
 4 56W  
 est 11.0

S Cephei 210672

5:29W

+77.3

8 56  
 21 48 +78.4  
 27 25  
 5 37W  
 est 9.3

3:28

Dec. 26, 1807

RM Cygni 213753

$$\begin{array}{r}
 2132 + 54.2 \\
 903 \quad \frac{27}{16} \frac{32}{0} w \quad \text{ext } 8.5
 \end{array}$$

$$\begin{array}{r}
 5.44 w \\
 + 5.33 \\
 3.35
 \end{array}$$

T Arctus 024217

$$\begin{array}{r}
 241 + 16.8 \\
 909 \quad \frac{3}{0} \frac{37}{56} w \quad \text{ext } 8.8
 \end{array}$$

$$\begin{array}{r}
 0.57 w \\
 + 14.8 \\
 3.41
 \end{array}$$

R Arctus 021024

$$\begin{array}{r}
 22 + 25.1 \\
 917 \quad \frac{3}{1} \frac{38}{36} w \quad \text{ext } 9.8
 \end{array}$$

$$\begin{array}{r}
 1.37 w \\
 + 22.4 \\
 3.49
 \end{array}$$

Thur May 123160

$$\begin{array}{r}
 1224 + 59.3 \\
 920 \quad \frac{3}{8} \frac{51}{33} z \\
 1527
 \end{array}$$

Too low at present

W Cassiopea 004958

$$\begin{array}{r}
 047 + 58.2 \\
 928 \quad \frac{3}{3} \frac{53}{6} w \quad \text{ext } 10.4
 \end{array}$$

$$\begin{array}{r}
 3.58 \\
 3.34 w \\
 + 56.4
 \end{array}$$



Dec 26, 1907

T And. 001726

7240

$$\begin{array}{r}
 9.45 \quad 0 \quad 12 \quad +25.6 \\
 \quad 4 \quad 12 \quad \text{est } 10.5 \\
 \hline
 \quad 4 \quad 0 \quad W
 \end{array}$$

$$\begin{array}{r}
 30.56 W \\
 4.15
 \end{array}$$

21 Orion 054920

$$\begin{array}{r}
 9.49 \quad 5 \quad 46 \quad +20.2 \\
 \quad 4 \quad 16 \quad \text{est } 12.0 \\
 \hline
 \quad 1 \quad 30 \quad E
 \end{array}$$

Van der Hoff Rect.  
 est of star  $\gamma = 10.0$

$$\begin{array}{r}
 1.312 \\
 +20.4 \\
 4.119
 \end{array}$$

T Carriop 001755

$$\begin{array}{r}
 9.56 \quad 0 \quad 18 \quad +55.9 \\
 \quad 4 \quad 21 \quad \text{est } 9.6 \\
 \hline
 \quad 4 \quad 3 \quad W
 \end{array}$$

$$\begin{array}{r}
 4.26 \\
 +53.6 \\
 4.1 W
 \end{array}$$
~~003130~~

Y And 013338

$$\begin{array}{r}
 10.02 \quad 1 \quad 32 \quad +40.0 \\
 \quad 4 \quad 32 \quad \text{est } 9.0 \\
 \hline
 \quad 3 \quad 0 \quad W
 \end{array}$$

$$\begin{array}{r}
 2.34 W \\
 +37.0 \\
 4.32
 \end{array}$$

R U And 013238

10 04

est 10.1

$$\begin{array}{r}
 2.57 W \\
 +36.5 \\
 4.34
 \end{array}$$

Dec. 26, 1907

042309 RTami

10	18	4 20 + 11.0	4.48
		<u>4 35</u> est < 11.8	+ 7.3
		0 15 W	0.23 W
10	20	RTami 042209 < <del>12.0</del> 11.4	

Thur May 12 3160

10	24	12 24 + 59.5	7.29 E
		<u>4 50</u> est 7.2	+ 58.6
		7 3 4 E	4.54
		16 26	

RTami May 12 3961

10	25	est 8.6	+ 57.2
			7.25 E
			4.53

R Leo Min 093934

10	29	9 32 + 35.8	4.38 E
		<u>4 57</u> est 8.2	4.59
		4 35 E	+ 35.5
		<u>19 25</u>	

X Umi May 04 3350

10	26	8 33 + 50.5	3.24 E
		<u>8 00</u> est 22.2	+ 50.5
		20.27	5.6

128

Dec 26, 1907

R Leonis 094211

$$\begin{array}{r} 9 \quad 40 \quad +12.2 \\ \underline{5 \quad 8} \end{array}$$

$$\begin{array}{r} 10 \quad 42 \quad - \\ \underline{4 \quad 32 \quad E} \quad \text{est } 7.0 \\ \underline{19 \quad 28} \end{array}$$

$$\begin{array}{r} 4.29 E \\ +12.2 \end{array}$$

5.12

18	129
3	12
3	3
<u>  </u>	<u>  </u>

P.P.



Dec. 27, 1907 (Friday)

L.C. Obs. J.P. 7937

S. P. Cygni 213843

7 16

$$\begin{array}{r} 21\ 37 + 43.6 \\ 25\ 49 \\ \hline 4\ 12\ W \end{array} \quad \text{est } 11.9$$

$$\begin{array}{r} 1:52 \\ 4:10\ W \\ + 42.0 \end{array}$$

R.W. Tanni 035727

7 30

$$\begin{array}{r} 3\ 55 + 27.3 \\ 1\ 55 \\ \hline 2\ 02 \end{array} \quad \begin{array}{r} 3\ 58 + 27.2 \\ 2\ 4 \\ \hline 1\ 542 \end{array}$$

$$\begin{array}{r} 1:502 \\ + 28.2 \\ 2:16 \end{array}$$
~~est~~ b2, 2d

setting = 3:56 + 28.2

R. Vulpec 205923

7 37

$$\begin{array}{r} 20\ 52 + 21.2 \\ 26\ 02 \\ \hline 5\ 16\ W \end{array} \quad \text{est } 9.0$$

$$\begin{array}{r} 2:13 \\ + 22.2 \\ 5:13\ W \end{array}$$

R.R. Regasi 214024

7 42

$$\begin{array}{r} 21\ 38 + 25.0 \\ 26\ 15 \\ \hline 4\ 37\ W \end{array} \quad \text{b4van } 12\frac{1}{2}$$

$$\begin{array}{r} 2:18 \\ + 23.2 \\ 4:37\ W \end{array}$$

130

Dec. 27, 1907

RV Peg. 222129

8 03

$$\begin{array}{r}
 22 \ 18 + 29.8 \\
 26 \ 19 \\
 \hline
 4 \ 1w
 \end{array}
 \quad
 \begin{array}{r}
 22 \ 36 + 29.5 \\
 26 \ 33 \\
 \hline
 3 \ 57 \\
 \text{ext } h3 \ V \ on
 \end{array}
 \quad
 \begin{array}{r}
 4.14 \\
 +29.4 \\
 \hline
 2:37
 \end{array}$$

RW Tau

8 07

$$\begin{array}{r}
 2 \ 56 + 28.2 \\
 2 \ 38 \\
 \hline
 1 \ 8E
 \end{array}
 \quad
 \begin{array}{r}
 \text{ext } 60, 4d
 \end{array}
 \quad
 \begin{array}{r}
 1.162 \\
 +28.2 \\
 \hline
 2:41
 \end{array}$$

RW Peg. 225914

8 10

$$\begin{array}{r}
 22 \ 58 + 14.5 \\
 26 \ 42 \\
 \hline
 3 \ 44w
 \end{array}
 \quad
 \begin{array}{r}
 \text{ext } a0.5f
 \end{array}
 \quad
 \begin{array}{r}
 3.46w \\
 +13.4 \\
 \hline
 2:4K
 \end{array}$$

W Peg. 231425

8 18

$$\begin{array}{r}
 23 \ 15 + 25.9 \\
 26 \ 47 \\
 \hline
 3 \ 32w
 \end{array}
 \quad
 \begin{array}{r}
 \text{ext } 80
 \end{array}
 \quad
 \begin{array}{r}
 3.36 \\
 +24.0 \\
 \hline
 2:52
 \end{array}$$

Z Pegasi 235525

8 22

$$\begin{array}{r}
 23 \ 50 + 24.4 \\
 26 \ 54 \\
 \hline
 3 \ 4w
 \end{array}
 \quad
 \begin{array}{r}
 \text{ext } 2.3d
 \end{array}
 \quad
 \begin{array}{r}
 2:56 \\
 3:0w \\
 +23.4
 \end{array}$$

Dec 27, 1807

210868 T Cephei

21 5- +67.6

$$\begin{array}{r} \delta 24 \quad 26 \ 58 \\ \hline 5 \ 53 \text{ W} \end{array} \quad \text{est } 9.8$$

$$\begin{array}{r} 2:5-8 \\ 5.41 \text{ W} \\ +67.3 \end{array}$$

230759 V Cassiop

23 4 +58.5

$$\begin{array}{r} \delta 30 \quad 26 \ 59 \\ \hline 3 \ 55 \text{ W} \end{array} \quad \text{est } 14 \text{ var}$$

$$\begin{array}{r} +57.7 \\ *3:49 \text{ W} \\ 3:4 \end{array}$$

R W Tauri 035927

3 56 +28.2

$$\begin{array}{r} \delta 34 \quad 3 \ 05 \\ \hline 0 \ 51 \text{ E} \end{array} \quad \text{est } 60, 3d$$

$$\begin{array}{r} 3:2 \\ 0:50 \text{ E} \\ +28.2 \end{array}$$

V R Cassiop 235350

23 52 +49.2

$$\begin{array}{r} \delta 38 \quad 27 \ 09 \\ \hline 3 \ 17 \text{ W} \end{array} \quad \text{est } 10.2$$

$$\begin{array}{r} +49.2 \\ 3:12 \\ 3:15 \text{ W} \end{array}$$

S' Risc. 01/208

$$\begin{array}{r} \delta 05 \quad 1 \ 8 +8.0 \\ \hline 3 \ 33 \\ \hline 2 \ 25 \text{ W} \end{array} \quad \text{est } 11.5$$

$$\begin{array}{r} 3:00 \\ +6.0 \\ 2:29 \text{ W} \end{array}$$



Dec. 27, 1907

9 07

o Ceti agent = 5.0

5<sup>h</sup> Arietis 015912

$$\begin{array}{r} 155 + 120 \\ 345 \\ \hline 150 \text{ W} \end{array}$$

$$\begin{array}{r} 158 + 9.4 \\ 355 \\ \hline 157 \text{ W} \end{array}$$

Reset Dec. 10<sup>h</sup> Ind.

9 26

$$\begin{array}{r} 357 \\ 158 \\ \hline 159 \end{array}$$

+7.4  
est 11.5  
drift -

4.1  
4.1 W  
+11.6

R Arietis 030514

9 30

$$\begin{array}{r} 33 + 14.6 \\ 43 \\ \hline 10 \text{ W} \end{array} \quad \text{est 8.4}$$

1.0 W  
+14.0  
4.5

R Orion 045307

9 39

$$\begin{array}{r} 447 + 7.5 \\ 47 \\ \hline 040 \text{ E} \end{array} \quad \text{est 9.9}$$

4.1 K  
0.38 E  
+7.4

R Leporis 045514

$$\begin{array}{r} 455 - 14.9 \\ 416 \\ \hline 030 \text{ E} \end{array}$$

$$\begin{array}{r} 451 - 14.5 \\ 426 \\ \hline 025 \text{ E} \end{array}$$

Dec. 27, 1907

R Lepore cont

$$\begin{array}{r}
 457 - 14.8 \\
 \underline{434} \\
 0232
 \end{array}$$

Too hazy

RW Tauri 035727

$$\begin{array}{r}
 356 + 28.2 \\
 \underline{436} \\
 040W
 \end{array}$$

est e 2, 49

10 04

438  
+27.4  
0:40 W

Too cloudy to continue

$$\begin{array}{r}
 19 \\
 + \\
 - \\
 -
 \end{array}
 \begin{array}{r}
 148 \\
 12 \\
 3 \\
 -
 \end{array}$$

L.P.P.

Tues Dec 31, 1907.  
 LC. Obs. 5" ~~7941~~

S' Ceti 081909

4 A:0

0 12 - 9. A  
 2 29  
2 17 W

0 12 - 9.8  
 2 52 est 9.3  
2 40 W  
 (k 3 l 8 m)

2:32  
 2:36 W  
 - 9.6

When 5" tube was put on  
 today's circles were put out  
 of adjustment. Bent frame.

Arietis

2 2 + 23.0  
 2 34  
0 32 W

Ranetus 021024

A:7

2 8 + 24.2  
 2 56  
0 48 W  
 est 2.4

3.1  
 0:48 W  
 + 24.2

R Leporis 045514

8 30

4 53 - 14.7  
 3 14  
1 39 E.  
 est 10.0

3:22  
 - 17.2  
 1:38 E



Dec. 31, 1907

V Croni 050003

$$\begin{array}{r}
 50 + 40 \\
 3 \quad 27 \\
 \hline
 1 \quad 33 \text{ E} \quad \text{est } 9.4
 \end{array}$$

$$\begin{array}{r}
 3:42 \\
 1:17 \text{ E} \\
 + 1.6
 \end{array}$$

St Croni 052404

$$\begin{array}{r}
 5 \quad 22 - 45 \\
 4 \quad 00 \\
 \hline
 1 \quad 22 \text{ E} \quad \text{est } 10.4
 \end{array}$$

$$\begin{array}{r}
 4:5 \\
 1:17 \text{ E} \\
 - 7.2
 \end{array}$$

T Cron 053005a

$$\begin{array}{r}
 9 \quad 20 \\
 \text{est } 9.9
 \end{array}$$

$$\begin{array}{r}
 4:12 \\
 1:16 \text{ E} \\
 - 7.2
 \end{array}$$

U Aurigae 053531

$$\begin{array}{r}
 0531 + 32.0 \\
 4 \quad 14 \\
 \hline
 1 \quad 17 \text{ E} \quad \text{est } 9.5
 \end{array}$$

$$\begin{array}{r}
 4:16 \\
 1:17 \text{ E} \\
 + 30.0
 \end{array}$$

R Aurigae 054953

$$\begin{array}{r}
 9 \quad 28 \\
 5 \quad 3 + 53.0 \\
 4 \quad 09 \\
 \hline
 0 \quad 44 \text{ E} \quad \text{est } 8.9
 \end{array}$$

$$\begin{array}{r}
 0:46 \text{ E} \\
 + 51.1 \\
 4:20
 \end{array}$$

Dec. 31, 1907

T Lepor 050022

9 3 1

$$\begin{array}{r} 5^{\circ} \quad 0 - 22.5 \\ 4 \quad 2 \quad 2 \quad \text{est } +0.2 \\ \hline 0 \quad 38 \quad 2 \end{array}$$

$$\begin{array}{r} 4.23 \\ -243 \\ \hline 0.358 \end{array}$$

V Monoc 061703

9 40

$$\begin{array}{r} 6 \quad 16 - 3.2 \\ 4 \quad 25 \\ \hline 1 \quad 51 \quad 2 \quad \text{est } 9.9 \end{array}$$

$$\begin{array}{r} 4.32 \\ 1.432 \\ -4.3 \end{array}$$

W Monoc 064707

10 9

$$\begin{array}{r} 6 \quad 44 - 6.8 \\ 4 \quad 58 \quad \text{est } 10.2 \\ \hline 1 \quad 46 \quad 2 \end{array}$$

$$\begin{array}{r} 5.1 \\ 1.442 \\ -9.2 \end{array}$$

X Monoc 065202

10 12

$$\begin{array}{r} 6 \quad 53 - 2.6 \\ 5 \quad 3 \quad \text{est } 8.5 \\ \hline 1 \quad 50 \quad 2 \end{array}$$

$$\begin{array}{r} 5.5 \\ 1.462 \\ -11.2 \end{array}$$

R Lepor 070122

10 19

$$\begin{array}{r} 6 \quad 57 + 23.0 \\ 5 \quad 07 \quad \text{est } 12.0 \\ \hline 1 \quad 50 \quad 2 \end{array}$$

$$\begin{array}{r} 5.11 \\ 1.482 \\ 21.0 \end{array}$$

Dec. 31, 1907

Plan Min. 070310

$$10 \ 22 \quad \begin{array}{r} 7 \ 3 + 102 \\ 5 \ 13 \\ \hline 1 \ 50 \text{ E} \end{array} \quad \text{est } 9.9$$

$$\begin{array}{r} 5.14 \\ 1.46 \text{ E} \\ + 7.9 \end{array}$$

Plan Min 072704

$$10 \ 25 \quad \text{est } 10.2$$

$$\begin{array}{r} 5.17 \\ 2.82 \\ + 6.2 \end{array}$$

Venus 071713

$$10 \ 31 \quad \begin{array}{r} 7 \ 3 + 13.4 \\ 5 \ 19 \\ \hline 1 \ 44 \text{ E} \end{array} \quad \text{est } 9.0$$

$$\begin{array}{r} 5.23 \\ 1.52 \text{ E} \\ + 11.3 \end{array}$$

R Leonis 094211

$$10 \ 31 \quad \text{est } 7.2$$

$$\begin{array}{r} 5.25 \\ 4.14 \text{ E} \\ + 9.4 \end{array}$$

Venus 095424

$$10 \ 39 \quad \begin{array}{r} 9 \ 52 + 22.0 \\ 5 \ 27 \\ \hline 4 \ 25 \text{ E} \end{array} \quad \text{est } 11.7$$

$$\begin{array}{r} 5.31 \\ 4.98 \text{ E} \\ + 20.0 \end{array}$$

$$\begin{array}{r} 17 \\ 1 \\ 2 \\ \hline \end{array} \quad \begin{array}{r} 165 \\ 13 \text{ L.P.P.} \\ 5 \\ \hline \end{array}$$



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Mon Jan. 6, 1908.  
L.C. db. JD 7147

5" Roof telescope

S S Cygni 213843

7 ~~12~~

$$\begin{array}{r} 21.37 + 43.6 \\ 26.27 \\ \hline 450 W \end{array}$$
 est 11.5

$$\begin{array}{r} 2.26 \\ + 43.6 \\ \hline 4.41 W \end{array}$$

Z Cygni 194549

7 18

$$\begin{array}{r} 19.59 + 49.6 \\ 26.29 \\ \hline 630 W \end{array}$$
 est 2.2 f

$$\begin{array}{r} 2.33 \\ + 51.2 \\ \hline 6:22 W \end{array}$$

U Cygni 201647

7 21

$$\begin{array}{r} 20.11 + 47.2 \text{ est } 80 \\ 26.34 \\ \hline 623 W \end{array}$$
 Varied 7

$$\begin{array}{r} 2.35 \\ 6:12 W \\ + 48.8 \end{array}$$

R W Cygni 202539

7 24

$$\begin{array}{r} 20.17 + 39.6 \text{ est } 8.6 \\ 26.37 \\ \hline 620 W \end{array}$$
 C = 6

$$\begin{array}{r} 2.30 \\ 6:13 W \\ + 41.0 \end{array}$$

R Z Cygni 204446

7 32

$$\begin{array}{r} 20.43 + 47.2 \\ 26.40 \\ \hline 557 W \end{array}$$
 est 12.0

$$\begin{array}{r} 2.46 \\ 5:50 W \\ + 48.4 \end{array}$$

Jan. 6, 1908.

RW Regasi 225914

22.58 + 14.5

26.48

3 50 W

est var as, e

2:51

+15.3

3:47

est comp #2. A 4 a 3 b 3 c 4 e

e 4 d 2 g 3 f 4 h 4 k 5 l

W Regasi 231425

23 15 + 25.8

26 55

3 40 W

est 2.7

2:56

3:38 W

+26.2

Z Regasi 235325

23 50 + 24.2

26 58

3 2 W

0 1 + 24.2

3 16

3 15 WHour circle 5<sup>m</sup> too far east &  
Declination 0.6<sup>m</sup> " North.

23 50 + 24.3

26 18

3 2 W

est var 3 b

3:21 W

+25.6

3:20

Insert remaining comp #2 on  
the observing chart.

S' Lacertae 222839

22 28 + 39.2

27 24

5 0 W

est 11.4

3:26 W

+39.9

4:53 W



140

Jan. 6 2008

T Cephæi 20868

$$\begin{array}{r}
 8 \ 13 \quad 21 \ 6 + 67.7 \\
 27 \ 27 \quad \text{est } 9.8 \\
 \hline
 6 \ 21 \text{ w}
 \end{array}$$

$$\begin{array}{r}
 3.31 \\
 6.10 \text{ w} \\
 + 6.98
 \end{array}$$

Reneop 235350

$$\begin{array}{r}
 8 \ 17 \quad 23 \ 52 + 49.8 \\
 27 \ 33 \quad \text{est } 9.9 \\
 \hline
 3 \ 41
 \end{array}$$

$$\begin{array}{r}
 3.35 \\
 + 3.12 \\
 3.35 \text{ w}
 \end{array}$$

St Piccini 011217<sup>08</sup>

$$\begin{array}{r}
 1 \ 8 + 8.0 \\
 23 \ 36 \\
 \hline
 2 \ 28 \text{ w}
 \end{array}
 \quad
 \begin{array}{r}
 1 \ 8 + 8.0 \\
 3 \ 44 \\
 \hline
 2 \ 40
 \end{array}$$

$$\begin{array}{r}
 8 \ 59 \quad 1 \ 6 + 6.8 \\
 4 \ 60 \quad \text{est } 12.2 \\
 \hline
 3 \ 4 \text{ w}
 \end{array}$$

$$\begin{array}{r}
 \cancel{4.13 \text{ w}} \\
 4.13 \\
 + 2.7 \\
 3.50 \text{ w}
 \end{array}$$

St Flammaris 034124

$$\begin{array}{r}
 9 \ 07 \quad 3 \ 42 - 24.2 \\
 4 \ 18 \\
 \hline
 0 \ 26 \text{ w} \quad \text{est } 8.9
 \end{array}$$

$$\begin{array}{r}
 4.21 \\
 0.38 \text{ w} \\
 - 24.4
 \end{array}$$

St Cannelop 053068

$$\begin{array}{r}
 9 \ 16 \quad 5 \ 27 + 68.7 \\
 4 \ 21 \quad \text{est } 9.6 \\
 \hline
 1 \ 0 \ 2
 \end{array}$$

$$\begin{array}{r}
 4.29 \\
 0.94 \\
 + 6.66
 \end{array}$$



Jan 6, 1904

054231 - Amigae

$$\begin{array}{r} 5 \ 40 + 31.4 \\ 4 \ 33 \\ \hline 1 \ 7 \text{ E} \end{array}$$

Abandoned; can't find..

Z Amigae 055353

$$\begin{array}{r} 9 \ 31 \quad 5 \ 50 + 53.4 \\ 4 \ 44 \\ \hline 1 \ 6 \text{ E} \end{array} \quad \text{est } 9.7$$

$$\begin{array}{r} 4.47 \\ 1.46 \text{ E} \\ + 51.4 \end{array}$$

X Amigae 060450

$$\begin{array}{r} 9 \ 35 \quad 6 \ 1 + 30.0 \\ 4 \ 49 \\ \hline 1 \ 12 \text{ E} \end{array} \quad \text{est } 56 \text{ var.}$$

$$\begin{array}{r} 1.11 \text{ E} \\ 4.51 \\ + 40.2 \end{array}$$

X Gemini 064030

$$\begin{array}{r} 9 \ 39 \quad 6 \ 36 + 31.0 \\ 4 \ 52 \\ \hline 1 \ 44 \text{ E} \end{array} \quad \text{est } 10.7$$

$$\begin{array}{r} 4.55 \\ + 20.6 \\ 1.24 \text{ E} \end{array}$$

RR Monoc 071201

$$\begin{array}{r} 9 \ 43 \quad 7 \ 11 + 1.4 \\ 4 \ 57 \\ \hline 2 \ 14 \text{ E} \end{array} \quad \text{est } 11.2$$

$$\begin{array}{r} 4.59 \\ + 0.8 \\ 2.13 \text{ E} \end{array}$$

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Jan 6, 1908

$$\begin{array}{r}
 7 \quad 32 + 5.5 = \text{Procyon} \\
 5 \quad 06 \quad \text{corr.} - 2.0 \text{ in Dec} \\
 \hline
 2 \quad 26 \text{ E} \quad \text{" } 0 \text{ in R.A.}
 \end{array}$$

9 44  $\gamma$  Can Min 072811

$$\begin{array}{r}
 7 \quad 27 + 12.0 \\
 5 \quad 08 \quad \text{est } 12.1 \\
 \hline
 2 \quad 19 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 2:17 \text{ E} \\
 + 9.8 \\
 \hline
 5:10
 \end{array}$$

10 04  $\mu$  Can Min 073508

$$\begin{array}{r}
 7 \quad 33 + 8.7 \\
 5 \quad 11 \quad \text{est } 10.2 \\
 \hline
 2 \quad 22 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 2:15 \text{ E} \\
 + 6.3 \\
 \hline
 5:19
 \end{array}$$

10 07 R Caneri 081112

$$\begin{array}{r}
 8 \quad 5 + 11.6 \\
 5 \quad 20 \quad \text{est } 9.3 \\
 \hline
 2 \quad 45 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 2:46 \text{ E} \\
 + 9.6 \\
 \hline
 5:22
 \end{array}$$

 $\nu$  Caneri 081617

10 10  $\delta$  17 + 17.5

$$\begin{array}{r}
 5 \quad 23 \\
 \hline
 2 \quad 54 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 2:50 \text{ E} \\
 + 15.3 \\
 \hline
 5:25
 \end{array}$$

10 38  $\mu$  Puffin 075612

$$\begin{array}{r}
 7 \quad 55 - 12.4 \\
 5 \quad 50 \quad \text{est } 11.5 \\
 \hline
 2 \quad 05 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 5:52 \\
 2:3 \text{ E} \\
 \hline
 -14.7
 \end{array}$$

Jan 6, 1908

Dr Hydras of 4003

$$\begin{array}{r}
 10 \quad 39 \quad A \quad 41 + 3.1 \\
 \quad \quad 5 \quad 53 \\
 \hline
 \quad \quad 2 \quad 4 \quad 8 \quad 2
 \end{array}$$

ent 10.3

$$\begin{array}{r}
 2:52 \text{ E} \\
 + 1.3 \\
 \hline
 5:56
 \end{array}$$

5:56

T Hydras ~~at 4003~~ of 5008

$$\begin{array}{r}
 10 \quad 43 \quad A \quad 54 - 2.6 \\
 \quad \quad 5 \quad 56 \\
 \hline
 \quad \quad 2 \quad 58 \quad 2
 \end{array}$$

ent 9.2

6:00

2:50 E

- 10.8

$$\begin{array}{r}
 25 \quad 190 \\
 \hline
 10 \quad 13 \\
 2 \quad 15 \text{ L.P.P.} \\
 \quad \quad 2
 \end{array}$$



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Jan. 14, 1908 Tues.  
 L. C. C. L. 79.55

Var + 27.3909 ~~Alg.~~

est = 6.1

6 40

compared as 3 brighter than  
 + 29°. 4221 (6.6) Magn 6.4

6 42 Mars 8 <sup>0.53</sup> & Cygni eye set

6 43 Saturn 9 <sup>1.33</sup> & Cygni eye set

6 45 o Cete 021403 est ~~Alg.~~ = 5.8

H 194  
 — 13 P.P.  
 — 15  
 — 2

12 7963

1.1 5 199  
1.3  
1.5 L.P.P.  
2

Tues Feb. 4. 1908

L.C. Obs. 5" J.D. 7976

648 Var +27.3709  $\Delta$  est 6.26 50 +62.2007  $\Delta$  3 cephei 3 var  
var 2 (20) ceph

6 51 Mars &amp; 2 Cygni eye

6 52 ~~Mars~~ 0 2 Cygni eye

7 00 S 2 Cygni 5" est S.P. 213843

7 02 T Orion 5" est 9.4 053005a

7 03 S Orion 5" 052404 est 11.6

7 04 0 Ceto  $\Delta$  021403 est 6.37 10 T Urs May. 123860 est  $\Delta$  = 8.27 12 S " " 123962 est  $\Delta$  = 7.57 14 R Leonis 094420 est  $\Delta$  = 6.2

11	210	L.P.P.
—	13	
—	15	
—	2	



Friday Feb. 7/1208  
 L.C. 66 J.D. 7979

6 10 Mars 7 2 Cygni  
 6 11 2 Cygni 2 Saturn  
 6 12 ~~8~~ + 27.3909 est 6.5 ~~PLS~~  
 6 14 + 62.2007 3 Collier 5, 2 20 ~~Collier~~  
 6 18 21 Cygni 201647 ~~PLS~~ 7.5  
 7 00 S S Cygni 213843 est 9.3 5"  
 W. Canter 134440 est 7.6  
 6 : 43 E  
 + 384  
 7 : 16  
 9 51 W. Louie 10441X  
 10 46  
 1000 7 18 + 14.2  
 3 28 E abandoned

7 217  
 — 13 f.p.p.  
 — 15

Tues Feb. 18, 1908

L.C. Obs. J.D.

7 10 o Ceto ~~HLG~~ est 6.8

7 12 R Leonis ~~HLG~~ est 6.2

6 50 Mars eye est 2 Tauri <sup>1.06</sup> o Mars

6 52 Saturn & Tauri 6 Saturn 1.66

7 14 +62.2007 ~~HLG~~ est  
 6 Ceph 5 Var  
 Var <sup>2</sup> (20) Ceph

5 222  
 — 13 L.P.P.  
 — 15  
 —

Thurs Feb. 20, 1908

LC Obs.

7 02 O Ceto ~~FLG~~. est 7.0

7 04 R Lewis ~~FLG~~. est 6.0

7 04 Mann 2 x Tami eye est

7 07 62.2007 ~~FLG~~. est

3 Cph 4  
3 (20) Caph

4	226	L.P.P.
—	13	
—	15	



150

Stat. Feb 22, 1904.

LC Obs.

JD. 7994

6 57 +62°.2007 Feb. (9) Cygni 3 var  
var 4 (20) Cygni

7 02 R Leonis Feb. 6.5 Feb.

$$\begin{array}{r} 220 \\ - 13 \\ \hline 207 \end{array} \quad \begin{array}{l} 6.0 \\ 6.0 \end{array}$$

(#1) Feb. 28, 1908  
 LC Obs. J.D. 8000

7.05 Mars est & true 2 Mars

7.10 R Leonis est  $\pm$  6.8

7.12  $\odot$  Ceti est  $\pm$  7.2

7.28 T Orionis est 9.8  $\frac{058005}{1.42W}$   
 $-6.4$   
 $6.13$

$\gamma$  Draco 093178 est  $\angle 12.1$

7.40  $\begin{array}{r} 9.28 + 80.0 \\ 6.14 \\ \hline 3.14 E \end{array}$   $\begin{array}{r} 6.25 \\ 3.20 L \\ +79.0 \end{array}$

7.44 T Urs Maj. 123160 est 9.6  
 $\begin{array}{r} 12.23 + 57.5 \\ 6.28 \\ \hline 5.55 E \end{array}$   $\begin{array}{r} 5.50 E \\ +58.7 \\ 6.129 \end{array}$

7.46 S Urs Maj. 123961 est 8.5  
 $5.47 E + 60.2$   $6.31$

7.47 R S Urs Maj. 123459 est 8.4  
 $5.52 E + 57.6$   $6.32$

Feb. 28, 1907

5 Urs Min 15337A est 10.3

7 57

$$\begin{array}{r} 15 \quad 33 + 78.4 \\ 6 \quad 33 \\ \hline 9 \quad 0 \quad 2 \end{array}$$

$$\begin{array}{r} 10.232 \\ + 78.6 \\ \hline 6:36 \end{array}$$

T Cassiope 001755 est 11.4

7 57

$$\begin{array}{r} 0 \quad 18 + 56.0 \\ 6 \quad 38 \\ \hline 6 \quad 20 \quad W \end{array}$$

$$\begin{array}{r} 6:13W \\ + 57.0 \\ \hline 6:42 \end{array}$$

U Pensei 015254 est 12.2

8 01

$$\begin{array}{r} 1 \quad 52 + 53.8 \\ 6 \quad 44 \\ \hline 4 \quad 52 \quad W \end{array}$$

$$\begin{array}{r} 4:42W \\ + 55.2 \\ \hline 6:46 \end{array}$$

Y Pensei 032043 est 9.0

8 05

$$\begin{array}{r} 3 \quad 20 + 43.8 \\ 6 \quad 48 \\ \hline 3 \quad 28 \end{array}$$

$$\begin{array}{r} 3:22W \\ + 44.0 \\ \hline 6:50 \end{array}$$

Z Aurigae 055353 est 11.2

8 27

$$\begin{array}{r} 5 \quad 50 + 53.5 \\ 7 \quad 8 \\ \hline 1 \quad 18 \quad W \end{array}$$

$$\begin{array}{r} 1:12W \\ + 53.0 \\ \hline 7:12 \end{array}$$



Feb 28, 1908

Kicari 081112 est 11.1

$$\begin{array}{r}
 \text{# 36} \quad \begin{array}{r} \text{8 } 9 + 11.8 \\ 7 \quad 14 \\ \hline 0 \quad 55 \text{ E} \end{array} \quad \begin{array}{r} 0.49 \text{ E} \\ + 8.6 \\ \hline 7.21 \end{array}
 \end{array}$$

✓ Cauri 081617 est 11.0

$$\begin{array}{r}
 \text{# 40} \quad \begin{array}{r} \text{8 } 17 + 17.6 \\ 7 \quad 22 \\ \hline 0 \quad 55 \end{array} \quad \begin{array}{r} 0.51 \text{ E} \\ + 15.4 \\ \hline 7.24 \end{array}
 \end{array}$$

N Hydrae 084803 est 8.6

$$\begin{array}{r}
 \text{# 43} \quad \begin{array}{r} \text{8 } 40 + 3.0 \\ 7 \quad 25 \\ \hline 1 \quad 15 \text{ E} \end{array} \quad \begin{array}{r} 1.20 \text{ E} \\ + 1.2 \\ \hline 7.28 \end{array}
 \end{array}$$

T Hydrae 083008 est 8.2

$$\begin{array}{r}
 \text{# 47} \quad \begin{array}{r} \text{8 } 54 - 8.6 \\ 7 \quad 29 \\ \hline 1 \quad 25 \text{ E} \end{array} \quad \begin{array}{r} 1.19 \text{ E} \\ - 1.2 \\ \hline 7.32 \end{array}
 \end{array}$$

S Pyxis 090024 est 11.4 d

$$\begin{array}{r}
 \text{# 51} \quad \begin{array}{r} \text{9 } 2 - 25.2 \\ 7 \quad 32 \\ \hline 1 \quad 30 \text{ E} \end{array} \quad \begin{array}{r} - 26.6 \\ 1.24 \text{ E} \\ \hline 7.36 \end{array}
 \end{array}$$

Feb 24, 1908

X Camelopard 043274

4 32 + 75.6

$$\begin{array}{r} 4 \quad 32 \\ 7 \quad 58 \\ \hline 3 \quad 20 \text{ W} \end{array}$$

4 32

8 04

3 32W

Cant find region

X Hydrae 093014 est 10.8

9 30 - 14.2

8 10

1 20 E

1.18 E

- 17.2

8.111

Y Hydrae 094622 est 6.6

9 46 - 22.5

8 13

1 33 E

1.31 E

- 24.7

8.14

V Hydrae 104620 est 10.9

10 46 - 19.6

8 16

2 30 E

2.27 E

- 21.6

8.20

Feb 28, 1908

R Can Ven 1344<sup>40</sup> est 8.8

9 53

13 40 + 39.2

$$\begin{array}{r} 8 \quad 40 \\ \hline 5 \quad 00 \quad 2 \end{array}$$

5.12

+ 39.2

8.38

S Bootis 14195 est 9.0

9 57

14 20 + 52.6

$$\begin{array}{r} 8 \quad 40 \\ \hline 5 \quad 40 \quad 2 \end{array}$$

5.292

+ 52.4

8.42

R Draco 163266 est = 7.8

10 1

16 28 + 67.4

$$\begin{array}{r} 8 \quad 44 \\ \hline 7 \quad 44 \quad 2 \end{array}$$

7.302

+ 66.3

8.46

V Bootis 142539 est 8.2

10 6

14 26 + 39.0

$$\begin{array}{r} 8 \quad 42 \\ \hline 5 \quad 38 \quad 2 \end{array}$$

5.282

+ 37.8

8.51

10 8 R Coronae Alt. est 6.2

R Virgo 123307 est 8.4

10 12

12 26 + 8.6

$$\begin{array}{r} 8 \quad 54 \\ \hline 3 \quad 32 \quad 0 \end{array}$$

3.352

+ 5.2

8.57



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Feb. 20, 1908.

RR Bootis 143227 est 10.2

$$\begin{array}{r}
 14 \ 37 + 27.1 \\
 8 \ 37 \\
 \hline
 10 \ 15 \quad 5 \ 40 \ 2
 \end{array}$$

$$\begin{array}{r}
 5.202 \\
 + 25.4 \\
 \hline
 9.00
 \end{array}$$

RR Herc. 160150 est 9.3

$$\begin{array}{r}
 15 \ 55 + 50.3 \\
 9 \ 30 \\
 \hline
 10 \ 47 \quad 16 \ 25 \ 3
 \end{array}$$

$$\begin{array}{r}
 6.218 \\
 + 49.6 \\
 \hline
 9.32
 \end{array}$$

$$\begin{array}{r}
 27 \ 255 \text{ L.P.P.} \\
 1 \ 14 \text{ L.P.P.}
 \end{array}$$

(Sat.) Feb 29, 1908

D.C. Obs. J.D. 8001

7 of +62.2007 ~~RL~~ est v. Ceph. 14 Var  
Var 3 (20) Ceph

7 38 035727 RW Tauri 5"  
b 1 var 2 d 6:27 2:25 w + 27.2

7 43 W Cassiope 004047 5" est. 8.6  
0 36 + 47.4 6:32  
6 31 5:43 w  
5 55 w + 49.0

R Trianguli 023133 5" est 7.0

7 49 2 27 + 24.0 4:58 w  
6 34 6:38  
4 7 w + 24.8

RW Tauri 035727

7 52 4 2 + 27.2 est c 5, b 0, 3 d  
6 40 2 34 w

8 03 At 8.03 E.M.T. a magnificent meteor  
brighter than Jupiter started from  
the right of Cass. in N.W. down to  
horizon and after travelling for about  
6 sec suddenly exploded, color red.  
and a perceptible trail was seen before

158

Feb. 29, 1907.

$\delta$  11 R mouse 063308 est 10.9  
 $\delta$  33 +10.0  
 $\delta$  58  
 $\delta$  25-w  
 $\delta$  25-w  
 $\delta$  7:00

$\delta$  13 RW Tami 035707 est b11d  
 $\delta$  34 " " " est c3, 1b  
 X Unmaj. 063310 est 10.5

$\delta$  33 +50.5  
 $\delta$  16 7.04  
 $\delta$  1 29.2  
 $\delta$  7:05  
 $\delta$  1:27 E  
 $\delta$  +148.4

$\delta$  34 RW Tami 035707 est b2, 1d

Z Draco 113972

$\delta$  42 est a' 3, 2 b  
 11 46 +72.8  
 7 26  
 4 20 E  
 3:53 E  
 +70.6  
 7:31

11 26

7 53

3 33 E

ent a' 3, 2 b

setting = 11:26  
 +70.6

$\delta$  5

$\delta$  31 est a' 5, 1 b

$\delta$  56 est a' 5, 0 b

10 27 est a' 5, 0 b



Feb 29, 1908

$$\begin{array}{r}
 \text{D}^{\text{st}} \text{V} \text{irginis } 122001 \text{ est var } 6a \\
 12 \quad 18 \quad +2.0 \\
 \hline
 8 \quad 48 \\
 3 \quad 30
 \end{array}
 \quad
 \begin{array}{r}
 3:29 \text{ E} \\
 -1.0 \\
 \hline
 8:50
 \end{array}$$

$$\begin{array}{r}
 \text{RV} \text{V} \text{irginis } 124204 \text{ est } 10.0 \\
 12 \quad 40 \quad +4.4 \\
 \hline
 8 \quad 50 \\
 3 \quad 50 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 3:50 \text{ E} \\
 +2.5 \\
 \hline
 8:52
 \end{array}$$

$$\begin{array}{r}
 \text{UV} \text{V} \text{irginis } 124606 \text{ est } < 11.4 \\
 12 \quad 42 \quad +.60 \\
 \hline
 8 \quad 52 \\
 3 \quad 50 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 3:50 \text{ E} \\
 +4.0 \\
 \hline
 8:54
 \end{array}$$

$$\text{RTV} \text{irginis } 125705 \text{ est } 8.4$$

$$\begin{array}{r}
 12 \quad 55 \quad +6.0 \\
 \hline
 8 \quad 55 \\
 4 \quad 00 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 4:01 \text{ E} \\
 +4.0 \\
 \hline
 8:55 \text{ A}
 \end{array}$$

$$\begin{array}{r}
 18 \quad 273 \text{ PPP} \\
 1 \quad 15
 \end{array}$$

(Thurs) Mar 12, 1908

L.C. Obs.

J.D. 8013

7 03 Mars 2 Tauri 3 Mars eye

7 05 o Ceto ~~fly~~ 021403 est 7.77 07 +62.2007 ~~fly~~ est <sup>ceph</sup>  $v_{\times} 3, 320$  Ceph7 08 R Leonis 094211 est ~~fly~~ = 7.6

R X Androm 005840 est 11.5

7 39	$\begin{array}{r} 0.55 + 40.6 \\ 6.58 \\ \hline 6.3w \end{array}$	$\begin{array}{r} 7.03 \\ 5.59w \\ +42.0 \end{array}$
------	---	---

X Ceto 031401 est 9.6

7 46	$\begin{array}{r} 3.11 - 15 \\ 7.06 \\ \hline 3.55w \end{array}$	$\begin{array}{r} 3.56w \\ -0.3 \\ 7.10 \end{array}$
------	--	--

all low  
est diff

T Leporis 050023 est 10.5

7 49	$\begin{array}{r} 5.0 - 225 \\ 7.12 \\ \hline 2.12w \end{array}$	$\begin{array}{r} 2.12w \\ -2.12 \\ 7.13 \end{array}$
------	--	---

Mar. 12, 1902

R Leporis 045314 est 10.0

7 53      4 53 - 13.0      7.17  
             7 14      4.22 W  
             2 21 W      -15.3

T Quous 053005a est 9.2  
1.49 W.

7 55      -5.9  
             7.19

W Renss 024356 est 9.5-

P 01      2 42 + 56.6      4.32 W  
             7 22      +57.2  
             4 40 W      7.25

T Aneto 024217 est 8.6

P 4      2 41 + 16.8      4.43 W  
             7 26      +18.2  
             4 45 W      7.28

T Canlop 043065 est 9.0

P 6      4 21 + 65.9      3.7 W  
             7 29      +66.8  
             3 8 W      7.30



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Mar. 12, 1908

Ulinis 054920 est 10.1

$$\begin{array}{r}
 5 \ 46 \ +20.3 \ \text{steep} = 9.5 \quad +20.1 \\
 7 \ 33 \quad 1.44 \text{ hr} \\
 \hline
 1 \ 47 \ \text{w} \quad 7.36
 \end{array}$$

T Ulin May 123160

8 36

est 10.3

$$\begin{array}{r}
 4.22 \ \text{E} \\
 8.00 \\
 \hline
 \cancel{+61.6} \\
 +58.4
 \end{array}$$

S Ulin May 123961

8 37

est 8.6

$$\begin{array}{r}
 4.26 \ \text{E} \\
 8.01 \\
 \hline
 +59.8
 \end{array}$$

R Ulin May 123459

8 40

est 8.4

$$\begin{array}{r}
 4.20 \ \text{E} \\
 +57.3 \\
 8.0 \ \text{E}
 \end{array}$$

N Booths 141954 est 9.0

8 44

$$14 \ 20 \ +5 \ 2.6$$

$$\begin{array}{r}
 8 \ 05 \\
 \hline
 6 \ 15 \ \text{E} \\
 187 \ 45
 \end{array}$$

$$6.2 \ \text{E}$$

$$+52.4$$

$$8.8$$

Mar 12, 1908

R Canis Major 142584 est p. 6

$$\begin{array}{r}
 145 \cdot 10 + 84.6 \\
 8 \cdot 10 \\
 \hline
 7 \cdot 0 \cdot 2 \text{ diff to find} \\
 17 \cdot 0
 \end{array}
 \begin{array}{r}
 5.5 \cdot 2 \\
 + 3.0 \\
 \hline
 8.22
 \end{array}$$

S Hydrae 084803 est p. 8

$$\begin{array}{r}
 840 + 30 \\
 830
 \end{array}$$

$$\begin{array}{r}
 0 \cdot 5 \cdot 2 \\
 \hline
 0.52
 \end{array}
 \begin{array}{r}
 p. 46 \\
 0.0 \\
 + 3.2
 \end{array}$$

Reset Dial circle  
just before observing Var.  
circles now correct

T Hydrae 05002 est p. 2

$$\begin{array}{r}
 847 - 8.2 \\
 \hline
 847 \\
 0 \cdot 0
 \end{array}
 \begin{array}{r}
 - p. 5 \\
 0.1W \\
 8.49
 \end{array}$$

S Pyrae 090024 est 10.6

$$\begin{array}{r}
 92 - 25.5 \\
 852 \\
 \hline
 0.10 \cdot 2
 \end{array}
 \begin{array}{r}
 0.32 \\
 - 243 \\
 \hline
 0.54
 \end{array}$$

Mar. 12, 1908

W Aurigae 052036

$$\begin{array}{r}
 5 - 15 + 37.2 \\
 \hline
 3 \quad 41 \text{ W}
 \end{array}$$

cant find

$$\begin{array}{r}
 9 \quad 8 \\
 \hline
 3 \quad 5 \quad 3 \\
 \hline
 5 \quad 15
 \end{array}$$

V Aurigae 050953

$$5 - 3 + 53.0$$

$$\begin{array}{r}
 9 \quad 4 \\
 \hline
 4 \quad 1 \quad \text{W}
 \end{array}$$

$$\begin{array}{r}
 22 \\
 \hline
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 295 \\
 \hline
 15
 \end{array}$$

L.P.P.



(Wed) Mar 25, 1904  
 P.C. Obs JD 8026

- Aurigae  $\alpha 60547$  est

8 5  $\frac{6}{10} + 47.5$  -  $\frac{2}{28}$  -  $\frac{11.8}{11.8}$  8:27  
 $\frac{2}{28}$  2:27 W  
 $+47.6$

Corrected Circle  
 Rec'd Dec 6 in by  $2\frac{1}{2}^\circ$  N

Rec'd HA in by  $14^m$  W

8 24  $\frac{5}{8} \frac{4}{25}$   
 $\frac{3}{6}$  3 21 W  
 $\frac{5}{18}$   
 $\frac{5}{4}$   
 0 12 to far E

$\Delta$  Orionis 053005a est 97

8 5  $\frac{5}{8} \frac{29}{34} - 5.5$  - 5.4  
 $\frac{3}{5}$  5 W 8:32  
 3:13 W  
 corrected HA circle

W Tauri 042215 ~~est~~

8 10  $\frac{4}{8} \frac{20}{36} + 15.7$  - 9.5  
 $\frac{14}{16}$  W  $+16.0$   
 $4:15$  W  
 8:37

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Mar 25, 1908

u Rensci 015354

$$\begin{array}{rcl}
 & 152 + 54.0 & \text{Est } A.3 \\
 A \ 14 & \begin{array}{r} 8 \ 40 \\ \hline 6 \ 48 \text{ W} \end{array} & \begin{array}{r} 8.41 \\ 6.43 \text{ W} \\ + 55.8 \end{array}
 \end{array}$$

u Orionis 054920

$$\begin{array}{rcl}
 & 546 + 20.2 & \text{Est } 9.5 \\
 8 \ 17 & \begin{array}{r} 8 \ 43 \\ \hline 2 \ 57 \text{ W} \end{array} & \begin{array}{r} 8.44 \\ 2.56 \text{ W} \\ + 20.4 \end{array}
 \end{array}$$

u Hydrae 084403 Est 7.7

$$\begin{array}{rcl}
 & 8 \ 41 + 3.2 & 0.3 \text{ W} \\
 8 \ 22 & \begin{array}{r} 8 \ 46 \\ \hline 0 \ 5 \text{ W} \end{array} & \begin{array}{r} + 3.1 \\ 8.49 \end{array}
 \end{array}$$

T Hydrae 075002 A 6

$$\begin{array}{rcl}
 & A \ 54 - A.6 & 0.3 \text{ W} \\
 8 \ 25 & \begin{array}{r} 8 \ 50 \\ \hline 0 \ 4 \text{ E} \end{array} & \begin{array}{r} - A.9 \\ 8.52 \end{array}
 \end{array}$$

R Leonis 094211 Est 8.2

$$\begin{array}{rcl}
 & 9 \ 40 + 12.0 & + 11.7 \\
 8 \ 28 & \begin{array}{r} 8 \ 54 \\ \hline 0 \ 46 \text{ E} \end{array} & \begin{array}{r} 0.46 \text{ E} \\ 8.55 \end{array}
 \end{array}$$

Mar. 25, 1908

St Pyxis 090024 est 11.5

$$\begin{array}{r}
 9 \quad 2 - 25.3 \\
 9 \quad 18 \\
 \hline
 0.16 \text{ W}
 \end{array}
 \quad
 \begin{array}{r}
 0.23 \text{ W} \\
 - 25.2 \\
 \hline
 9:20
 \end{array}$$

✓ Hydra 104620 est 11.0

$$\begin{array}{r}
 10 \quad 46 - 19.5 \\
 9 \quad 22 \\
 \hline
 1 \quad 24 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 - 21.3 \\
 + 1.19 \text{ E} \\
 \hline
 9:27
 \end{array}$$

St Louis 10506 est 10.8

$$\begin{array}{r}
 11 \quad 1 + 0.8 \\
 9 \quad 29 \\
 \hline
 1 \quad 32 \text{ E}
 \end{array}
 \quad
 \begin{array}{r}
 + 6.0 \\
 1.33 \text{ E} \\
 \hline
 9:30
 \end{array}$$

Old's

Thur May. 123160 est 11.5

$$\begin{array}{r}
 9 \quad 30 \\
 \hline
 2:20 \text{ E} \\
 + 57.9 \\
 \hline
 9:57
 \end{array}$$

$$\begin{array}{r}
 9 \quad 28 \\
 \hline
 2:36 \text{ E} \\
 + 59.3 \\
 \hline
 9:55
 \end{array}$$



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Mar 25, 1908

R. Alcock 12345-9 est 93

9 32

$$\begin{array}{r} 2:27.2 \\ +56.2 \\ \hline 9:59 \end{array}$$

S. Booth 14195K est 8.7

9 37

$$\begin{array}{r} 14 \quad 20 \quad +52.6 \\ 10 \quad 02 \\ \hline 4 \quad 18.2 \end{array}$$

$$\begin{array}{r} 4:52 \\ +52.2 \\ \hline 10:4 \end{array}$$

R. Canlop 14258X

est 8.5

9 43

$$\begin{array}{r} 15 \quad 10 \quad +88.4 \\ 10 \quad 06 \\ \hline 5 \quad 44 \end{array}$$

$$\begin{array}{r} 3:30.2 \\ +82.2 \\ \hline 10:10 \end{array}$$

S. Lush 153378 est 9.5

9 47

$$\begin{array}{r} 15 \quad 34 \quad +78.0 \\ 10 \quad 12 \\ \hline 5 \quad 22.2 \end{array}$$

$$\begin{array}{r} 4:48.2 \\ +78.3 \\ \hline 10:13 \end{array}$$

T. Canlop 122532 est

1000

$$\begin{array}{r} 12 \quad 24 \quad +32.2 \\ 10 \quad 14 \\ \hline 2 \quad 10.2 \end{array}$$
Abandoned  
cant identify

Mar 25, 1908

Y Virginis 122803 est 10.3

10 31    12    33 - 36    11:25 E  
           10    53    - 6.3  
           1    40 E    10:58

10 35    R Corvi    121418 est 10.5

11:7 E  
 - 21.2  
 11:02

R Can Ven 134440 est 10.5

10 38    11:5 ; 2:33 E + 37.6

R Bootis 143227 est 12.0

10 40    3:19 E + 25.0    11:7

V Virginis 132202 est 10.1

10 43    13 24 - 2.3    2:9 E  
           11    9    - 5.0  
           2    15 E    11:10

10 45     $\delta^1$  Virginis 132706 est 10.8  
           13 24 - 5.5    2:11 E  
           11 12    - 9.0  
           2    12 E    11:12

Mar 25, 1908

R Hydrae 132422 ext J.6

13 22 - 225

2:58

$$\begin{array}{r} 11 \quad 12 \\ \hline 2 \quad 10 \quad 2 \end{array}$$

-25.1

11:16

23  
1318  
16

L.P.P.



Friday Apr. 3, 1908

R.C. Obs & Rec.

(5" on roof)

— Arizae 060547 est < 12.0

7 53

$$\begin{array}{r} 6 \quad 2 \quad +47.5 \\ 8 \quad 48 \\ \hline 2 \quad 46 \text{ W} \end{array}$$

$$\begin{array}{r} 2:50 \text{ W} \\ +47.5 \\ \hline 8:58 \end{array}$$

Capella

$$\begin{array}{r} 5 \quad 9 \quad +45.9 \\ 8 \quad 56 \\ \hline 3 \quad 47 \text{ W} \end{array}$$

Obs readings:

$$\begin{array}{r} 8:56 \\ 3:45 \text{ W} \\ +46.1 \end{array}$$

† Esther 210864

$$\begin{array}{r} 21 \quad 5 \quad +67.6 \\ 9 \quad 17 \\ \hline 11 \quad 48 \text{ E} \end{array}$$

Too low

U Gemin 074922 est < 11.8

f 23

$$\begin{array}{r} 7 \quad 46.9 \quad +22.4 \\ 9 \quad 17 \\ \hline 1 \quad 30 \text{ W} \end{array}$$

$$\begin{array}{r} 1:39 \text{ W} \\ +21.6 \end{array}$$

R Coronae

154422

est H.B. = 5.9

f 38

$$\begin{array}{r} 2 \quad 320 \\ 1 \quad 17 \end{array}$$

172

Stat Apr. 4. 1208  
 P.C. Obs Rec ~~JD~~ 2036

054920 u Orionis est 9.2-1m

7 38 ~~est 9.8~~ = 10.8 + 20.0  
3.0 w  
8.49

T Orionis 053005 a est 9.5

7 41 3.24 w  
4.8  
8.52

R Leonis 094211 est 8.6

8 20 1.52 w  
+ 10.4  
9.30

T Urs Maj. 123160 est 11.5

8 22 ~~est 9.1~~

8 23 S Urs Maj 9.6 = est 123961

8 24 R S Urs Maj est 9.9 123451 ~~est~~

S Can Min 072708 est 12.0

8 27 2.12 w + 8.3 9:37

Apr. 4, 1908

173

$\delta$  Hydrae 04403 est 7.5  
 $\delta$  46 + 3.1

A 31  
 $\begin{array}{r} 9\ 40 \\ 0\ 54\ w \end{array}$

0:53w, + 3.0; 9:41

$\Gamma$  Hydrae 04500 est 8.9

A 36  
 $\begin{array}{r} \delta\ 34 - 2.6 \\ 9\ 44 \\ 0\ 50\ w \end{array}$

0:54w - 2.6 9:46

R Monoc. 063304 est 11.4

A 52  
 $\begin{array}{r} 6\ 33 + 10.0 \\ 9\ 59 \\ 3\ 26\ w \end{array}$

3:31w

+ 2.0

10:02

RR Tauri 053326 est 11.6

A 55  
 $\begin{array}{r} 5\ 31 + 26.0 \\ 10\ 03 \\ 4\ 32\ w \end{array}$

4:32w

+ 26.7

10:05

$\gamma$  Persei 032043 est 9.5

A 58  
 $\begin{array}{r} 3\ 21 + 43.5 \\ 10\ 08 \\ 6\ 47\ w \end{array}$

+ 45.3

6:47w

10:9



174

Apr 4, 1908

R Cowi 121418 est 10.5

9 2 -20.6 2:0.2 10:11

R Virginia 123307 est ~~10.7~~ 10.3

9 7

12	26	+8.6	+5.7
10	12		2:12 E
2	14 E		10:16

R U Ving. 124204 est 9.2

9 10

12	40	+4.2	2:19 E
10	18		+2.4
2	22 E		10:19

V Monroe 061702 est 11.5

9 13

6	16	-3.2	4:4 W
10	19		10:22
4	3 W		-2.6

W Monroe 064707 est 10.8

9 16

6	47	-6.8	10:25
10	23		-7.4
3	36		3:35 W

Apr. 4, 1908

RT Hydrae ~~092405~~ ext 9.5

9 41  $\begin{array}{r} 22 - 55 \\ 10 \text{ 48} \\ \hline 2 \text{ 26 W} \end{array}$   $\begin{array}{r} 2:29 \text{ W} \\ - 59 \\ \hline 10:50 \end{array}$

V Leo Min 09393K ext 11.0

9 45  $\begin{array}{r} 9 \text{ 32} + 35 \text{ 8} \\ 10 \text{ 52} \\ \hline 1 \text{ 20 W} \end{array}$   $\begin{array}{r} 1:24 \text{ W} \\ + 34.6 \\ \hline 10:54 \end{array}$

R Draco 163266 ext 7.7

9 50  $\begin{array}{r} 16 \text{ 26} + 67.4 \\ 10 \text{ 56} \\ \hline 5 \text{ 30 E} \end{array}$   $\begin{array}{r} 5:14 \text{ E} \\ + 65.5 \\ \hline 10:39 \end{array}$

S Virgins 122001 ext

$\begin{array}{r} 12 \text{ 17} + 20 \\ 11 \text{ 00} \\ \hline 1 \text{ 17 E} \end{array}$   $\begin{array}{r} 12 \text{ 17} \\ 11 \text{ 40} \\ \hline 0 \text{ 37 E} \end{array}$   
 Can't find.

S Coronae 151731 ext 9.2

10 40  $\begin{array}{r} 15 \text{ 16} + 33.3 \\ 11 \text{ 46} \\ \hline 3 \text{ 30 E} \end{array}$   $\begin{array}{r} 3:21 \text{ E} \\ + 30.0 \\ \hline 11:49 \end{array}$

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Apr 4, 1908

✓ Corvæ 154639 est 7A

10 45 ✓  
 15 44 + 40.0  
 11 51  
 ———  
 3 53 E

3:42 E

+ 37.6

11:54

22

340

—

16



(Thursday) April  
~~Mar~~ 9, 1908

177

LC Abs. 5" on roof  
Moon half full.  
— Aurigae 060447 est < 11.0

$$\begin{array}{r}
 7 \quad 35 \\
 \hline
 9 \quad 2 \\
 3 \quad 0 \\
 \hline
 + 47.5 \\
 \hline
 9:16 \\
 + 47.7 \\
 \hline
 2:57 W
 \end{array}$$

U Persei 015254 est 7.6

$$\begin{array}{r}
 1 \quad 5 \quad 3 + 54.0 \\
 9 \quad 0 \quad 8 \\
 \hline
 7 \quad 15 \quad W
 \end{array}$$

$$\begin{array}{r}
 9:10 \\
 + 53.0 \\
 \hline
 7:13 W
 \end{array}$$

R Trianguli 023133 est 6.0

$$\begin{array}{r}
 2 \quad 27 + 34.0 \\
 9 \quad 12 \\
 \hline
 6 \quad 43 W
 \end{array}$$

$$\begin{array}{r}
 9:12 \\
 6:41 W \\
 + 35.4
 \end{array}$$

W Tauri 042215 est 9.3

$$\begin{array}{r}
 7 \quad 45 \\
 \hline
 9 \quad 20 + 15.7 \\
 9 \quad 14 \\
 \hline
 4 \quad 54 W
 \end{array}$$

$$\begin{array}{r}
 + 16.0 \\
 4:52 W \\
 9:16
 \end{array}$$

X Hydrae 093014 est 11.5

$$\begin{array}{r}
 7 \quad 52 \\
 \hline
 9 \quad 30 - 14.2 \\
 9 \quad 17 \\
 \hline
 0 \quad 13 E
 \end{array}$$

$$\begin{array}{r}
 0:5 E \\
 - 14.2 \\
 \hline
 9:23
 \end{array}$$

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Apr. 9, 1908

RR Hydrae 094023 est 11.5

$$\begin{array}{r}
 9 \ 36 - 23.0 \\
 9 \ 24 \\
 \hline
 0 \ 12 \epsilon
 \end{array}$$

$$\begin{array}{r}
 - 23.5 \\
 0.10 \epsilon \\
 9.26
 \end{array}$$

Y Hydrae 094622 est 11.0

$$\begin{array}{r}
 9 \ 44 - 22.0 \\
 9 \ 27 \\
 \hline
 0 \ 17 \epsilon
 \end{array}$$

$$\begin{array}{r}
 - 22.6 \\
 0.16 \epsilon \\
 9.30
 \end{array}$$

V Hydrae 104620 est 11.3

$$\begin{array}{r}
 10 \ 46 - 19.5 \\
 9 \ 32 \\
 \hline
 1 \ 14 \epsilon
 \end{array}$$

$$\begin{array}{r}
 1.11 \epsilon \\
 - 21.4 \\
 9.34
 \end{array}$$

R Ursae 103769 est 11.6

$$\begin{array}{r}
 10 \ 32 + 69.5 \\
 9 \ 35 \\
 \hline
 0 \ 57 \epsilon
 \end{array}$$

$$\begin{array}{r}
 0.53 \epsilon \\
 + 67.3 \\
 9.38
 \end{array}$$

RCamelopard 142584 est 11.9

$$\begin{array}{r}
 13 \ 40 + 82.2 \\
 9 \ 40 \\
 \hline
 4 \ 0 \epsilon
 \end{array}$$

$$\begin{array}{r}
 3.59 \epsilon \\
 + 82.2 \\
 9.41
 \end{array}$$

Apr. 9, 1908

St. Louis Min 153378 est 8.6  
 15 0 + 78.3

P 13

9 42  
 5 18 E

5:16 E

+77.7

9:43

St. Bootes 141954 est 8.2

P 18

14 20 + 5.25  
 9 44  
 4 36 E

4:40 E

+52.4

9:40

R Can Ven. 134440 est 10.6

P 33

13 40 + 39.2  
 10 00  
 3 40 E

3:35 E

+380

10:03

V Bootes 142539 est 9.6

P 35

14 26 + 39.1  
 10 04  
 4 22 E

4:12 E

+37.6

10:5

RR Hercules 160150 est 9.3

P 41

# 15 55 + 50.3  
 10 07  
 5 48 E

5:32 E

+49.4

10:11



180

Apr. 9, 1908

RR Virgins 122001

8 45-

$$\begin{array}{r} 12 \ 18 + 1.6 \\ 10 \ 13 \\ \hline 2 \ 5 \ 8 \end{array}$$

Abandoned  
cant find

7 00

trans est eye = 1.9

12 55

S S Cygn 213843 5" = 10.2

$$\begin{array}{r} 16 \ 356 \\ 1 \ 17 \end{array}$$

L.P.P

Sat. Apr. 12, 1908  
 H. Alb. J.D. 2044

7 10 Too cloudy & very windy

8 00 Clear.

— Aurigae 060547 at 11.5

8 05 6 2 +47.5  
 9 38  
 3 36W

+47.5  
 3'33W  
 9'42

8 35 Too Windy for 5"

— 35-6 L.P.P.  
 1 18

(Good) Friday, April 15, 1908

5" on roof.

P.C. Alb.

JD.

7 15 Mars est 1.7 recorded by L.C. Apr. 18. from memory  
060547 — Aurigae est 11.9

7 34

6 2 +47.5  
9 32  
3 30 W

3:25 E

+47.9

9:34

050920 U Aurigae est 7.9

7 38

05 49 + 20.0  
9 35  
3 46 W

3:49 W

+20.4

9:38

W Persei 02435.6

est 9.4

7 44

2 43 +56.0  
9 43  
7 0

9:44

+56.0

6:57 W

Y Persei 03200.3

est 9.5

7 47

3 20 +43.6  
9 46  
6 26 W

6:22 W

+43.4

9:47

W Tauri 04221.5 est 9.9

7 49

4 20 +15.7  
9 50  
5 30

5:20 W

+15.5

9:49



April 17, 1908

V Monoc 061702 est6 16  $\times -3.2$ 

9 51

3 35 W

Can't find Region

Vesta 070325

7 1.0 + 25 42

1855

7 6 + 25.0

10 9 6

3 0 W

est  $\times 0.3 \gamma$ 

+ 25.5

3.5 W

10.9

 $\alpha = 7 \quad 0.6 + 25.30 \quad 1855$  $\gamma = 7 \quad 2.1 + 25.33 \quad 1855$ 

Pallas (1833) 10 594 +14 6

11 7 +16.3

10 12

0 55 E

0.40 E

10.16

+11.6

est a 3, 2 b

 $\alpha = 11 \quad 00 \quad +14 \quad 20$ 

approx 1855

 $\beta = 10 \quad 590 \quad +13 \quad 30$ 

" 1855

Ceres 12 534 +11 20 1855

12 544 +11.4

12 55

10 35

2 20 E

Ceres not  
found in place  
indicated by short  
relates fainter  
moonlight

184

Tues. Apr. 21, 1898

Crown exts. — eye. <sup>HC Obs.</sup>

10 45

f 0 3 5 5 4 2

Wed. Apr. 22, 1908  
 L.C. Cobs. J.D. 2054

5" on roof

7.50 060547 - Aurigae est < 11.0

sky some hazy. faint stars 6.3 w  
 not well seen, nothing near +48.0  
 fainter than 11.0 10.12

S Hydrae 044503 est 2.5

2 42 + 3.2 2.20 w  
 11 06 + 3.4  
 2 24 w 11.06

R T Hydrae est

22 - 55  
 11 08  
 2 46 w 108 hazy

1 36.5  
 1 19 L.P.P.

Ledgered to data  
 08-4-24



186

Apr 29, 1908 Wed

060547

- Aurigae 31.1907. est

11.0

8061

7 58

+ 4 P 2

4:33 W

- Aurigae 060547

10:43

est 10.5

5:32 W

+ 4 P. 2

8 57

11:42

u Herculis ~~fly~~ -

ests

var 4 w Herc

var 2 e "

9 10

2 Herc. 6 var

var 6 d Herc

8 Herc 4 var

9 13

- Aurigae 060547 est 10.6

5 4 P W + 4 P. 24 11.58

u Gemini 014922 est &lt; 11.0

7 49 +22.4

4:22 W

+22.7

9 25

$$\begin{array}{r} 11 \ 59 \\ 4 \ 10 W \end{array}$$

12:10

sky hazy here now

Apr 29, 1908

N Gemini 073723 est 10.2

9 22

12: 7

4:30 W +24.2

R Gemini 070122a

6	56	+22.9	lozy
12	13	too	
5	17		

9 30

— Aurigae 060547 est 10.6

+48.2

12: 15

6:5 W

est 10.6

9 57

+49.2

12: 42

6:32 W

Clouds

7	372	L.P.P.
1	20	

188

(Friday) May 1, 1908

L. Q. Ob.

Corvus etc.

10 S

e 1256.1 d on

J 1355.1 E



Stat. May <sup>2</sup> 12, 1908 R.C. Ab.

189

8 20

# - Amizae 060547 est 11.2

though haze & diff. to est.

/ 373 ~~20~~  
- 20

Wed. May 13, 1908

---

Flods 1327

4 49 0

4 50 0

Cs Watch

4 48 45

4 49 45

Flods. 21<sup>2</sup> slow.

Friday May 15, 1902

Flodrs 1327

0 56 ~~70~~

0 57 0

Flodrs 21.5 slow

Os watch

0 56 17

0 57 17

Rebound & reset watch before the  
above comparisons. LC.



192

Sat. May 16, 1908

7 49       $\overline{11} 41 00$        $\overline{11} 41 50.0$   
 Alt 1327      Cs Watch

LC. lbs      J.D. 9074

8 17      ~~Crown star~~  
 $\overline{12} 11$        $\overline{12} 20$   
 f 4/3 2512

R Coronae      Alt. 6.0      158000

U Gemin      074922

7 49 +22.5  
 $\overline{12} 11$        $\overline{12} 20$   
 4 22      7 49      Too cldy  
             4 31

u Herculis      Alt. est

8 31      var 5 w Herc  
             " 3 e "  
             J. Herc Var

R Leonis      094211

9 40 +11.0  
 $\overline{12} 23$       Too cldy  
 2 43

R Coronae      115919      est 11.2

11 57 +20.2      0.37 w 5/8  
 $\overline{12} 24$       +1.2  
 12 25

May 16, 1908

R Canisop ~~4544~~ 142584  
est 104

$$\begin{array}{r}
 14 \text{ } 40 + 82.2 \\
 12 \text{ } 33 \\
 \hline
 1 \text{ } 7 \text{ } 2
 \end{array}$$

190967 U Deneb est 10.3

$$\begin{array}{r}
 19 \text{ } 9 + 670 \\
 12 \text{ } 35 \\
 \hline
 6 \text{ } 34 \text{ } 2
 \end{array}$$

6:10 E

12:41

+66.0

S Cassiof 011272

$$\begin{array}{r}
 1 \text{ } 5 + 71.0 \\
 12 \text{ } 45 \\
 \hline
 11 \text{ } 40 \text{ } W
 \end{array}$$

Too low

T Herc 180551

$$\begin{array}{r}
 18 \text{ } 2 + 305 \\
 12 \text{ } 47 \\
 \hline
 5 \text{ } 15 \text{ } 2
 \end{array}$$

Too clay to continue.

5 378 L.P.P.  
20

Sunday, May 17, 1908

H. 1327  
1 42 0.0  
1 43 0.0

Cs Watch  
1 45 10.5  
1 46 10.5

Fr rods: 23<sup>~</sup> slow    ∴ Watch =  
2<sup>m</sup> 47.5<sup>~</sup> fast

Cs watch reset back by 3<sup>m</sup>. 0.0<sup>~</sup>

H. 1327  
1 47 0.0

Cs Watch  
1 47 10.5

Regulator slowed up a trifle.



Monday) May 18, 1908

195

#1327

11 39 00

11 40 00

C. Watst

11 39 10.0

11 40 10.0

8 03 U. Orionis ~~Flg.~~ est 6.0 054920<sup>+</sup> ✓

R. Leonis 094211 est 9.0 x

9 43 13:43, 4:1 W +12.1

S. S. Herc 162807 est 12.0 ✓

10 15 16 26 +6.9 16 26 14:16  
 13 45 14 14 2:12 E 2:7 E  
~~19~~ +5.1  
 2 41 E

U. Herc. 162119 est 10.6 ✓

16 15 +19.5

13 48

2 27 E

~~2 15 E~~

~~+17.7~~

~~14.4~~

+17.6

14:11

2:1 E

10 10

Section Van

14:12

2:4 E

+17.2

196

May 18, 1908

16.1138 W Corona est 10.3 ✓  
+

10 19

1.6 5 + 38.5

14 1A

14 47 E

1.47 E

+ 36.3

14.20

16.5631 RV Huc est 120 ✓  
+

10 22

16 52 + 31.1

14 22

14 2 30 E

2.29 E

+ 29.2

14.22

U Huc Huc 14.15-67 est 11.7 ✓

10 24

14 15 + 67.7

14 24

14 0 9 W

+ 65.6

14.25

0.12 W

R Cygni 193049 est 9.4 ✓  
+

10 27

19 29 + 499

14 26

14 5 3 E

4.55 E

+ 42.4

14.28

R T Cygni 194048 est 8.9

10 30

5.0 E + 47.2 14.31

May 18, 1908

♂ TU Cygni 194348 est 6.2, 4.2

4:58 E + 47.4 14:34

10 33

♂ TU Cygni 213843 est 8.6

10 36

6 51 E + 42.5 14:37

T Herc 180531 est 7.0

10 39

$$\begin{array}{r} 14 \ 38 \\ 3 \ 22 \ E \end{array}$$

$$\begin{array}{r} 3 \ 28 E \\ + 29.2 \\ 14 \ 14.6 \end{array}$$

R Urs May 103769 est 11.8

10 43

$$\begin{array}{r} 14 \ 42 \\ 4 \ 10 \ W \end{array}$$

$$\begin{array}{r} 3 \ 53 \ W \\ + 69.5 \\ 14 \ 44 \end{array}$$

R Serp. 154615 est 7.5

10 46

$$\begin{array}{r} 15 \ 41 \\ 14 \ 45 \\ 0 \ 56 \ E \end{array}$$

$$\begin{array}{r} 0 \ 54 \ E \\ + 13.6 \\ 14 \ 44 \end{array}$$



198

May 18, 1908

1546 39 V Coronae at 9.5  $\sqrt{7}$ 

15-41 +40.0

0.572

+344

1450

1049

$$\begin{array}{r} 14 \quad 49 \\ \hline 0 \quad 52 \quad 2 \end{array}$$

$$\begin{array}{r} 15 \quad 393 \\ - \quad 20 \quad \text{L.P.P.} \end{array}$$

(Tuesday) May 26, 1908

L. C. Cbr.

J. D. Foss.

Z Aurigae 055353 est 9.8

A 25

Lost before reading up.

A 28

R Cancri 081112 est —

Wall interferences

R Leonis 094211 est 9.9

A 30

9 40 +12.2

3.22 W

13 04

+12.0

3 24 W

13.04

V Leonis 095421 est 9.7

9 54 +21.7

3.14 W

13 06

+21.8

3 12 W

13.08

A 34

W Leonis 104814 est 10.0

10 46 +14.2

2.24 W

13 10

+14.0

2 24 W

13.11

A 37

R Covi 121418 est 9.0

A 39

Telescope W

1.3 W

Y Virgins 122803

-20.4

13.13

est 10.5

A 43

12 27 - 3.6

0.52 W

13 15

-5.5

0 48 W Tel. W

13.17

May 26, 1902

8 47

R Virginia 123307 est 7.5

12 27 + 7.6

13 19

0 52 W

Tel = E

13.21

0.49 W

+ 7.6

8 50

U Virginia 124606 ~~1242~~ est 8.6

12 42 + 6.0

13 22

0 40 W

Tel = E

0.40 W

+ 5.4

13.24

8 53

R TVing. 125705 est 8.3

12 57 + 5.7

13 25

0 28 W

0.30 W

+ 5.3

13 27

8 55

R Hydrea 132423 ~~FLG~~ est 6.8

8 56

u Herc est var 6 w Herc ~~FLG~~

var 3 e Herc

var 8 Herc see chart

8 58

T Herc 140531 est 7.4 ~~FLG~~

9 00

R Boobis 143227 est 10.0

9 05

~~Serp~~ 151714 est 11.0

15 19 + 16.0

13 37

1 42 E

1.33 E

+ 12.6

13.739



May 26, 1908  
 S' Coronae 15-1731 est 9.8

$$\begin{array}{r}
 15-16+33.3 \\
 13 \quad 4.1 \\
 \hline
 1 \quad 35 \quad \varepsilon \\
 + 29.3 \\
 1.30 \varepsilon \\
 13.43
 \end{array}$$

9 9

$$\begin{array}{r}
 154428 \quad \text{HLE} \quad \text{est} = 5.6 \\
 9 \quad 10
 \end{array}$$

V Coronae 154639 est 9.8

$$\begin{array}{r}
 15-46+39.7 \\
 13 \quad 46 \\
 \hline
 2 \quad 0 \quad \varepsilon \\
 15-46+39.9 \\
 13 \quad 52 \\
 \hline
 1.54 \quad \varepsilon \\
 1.50 \varepsilon \\
 + 38.0 \\
 13.53
 \end{array}$$

9 19

R Herc. 160118 est 9.2

$$\begin{array}{r}
 16-2+17.5 \\
 14 \quad 0 \\
 \hline
 2.2 \quad \varepsilon \\
 1.44 \varepsilon \\
 + 16.5 \\
 14.2
 \end{array}$$

9 28

R Camelopard. 142554

$$\begin{array}{r}
 14-25+14.0 \\
 14 \quad 07 \\
 \hline
 0 \quad 18 \quad \varepsilon
 \end{array}$$

9 35

position not found

R Herc. 160150 est 2.6

$$\begin{array}{r}
 16-1 \\
 15-53+50.3 \\
 14 \quad 10 \\
 \hline
 1 \quad 43 \quad \varepsilon \\
 1.42 \varepsilon \\
 + 48.5
 \end{array}$$

9 38

U Perp. 160210 est 2.8

$$\begin{array}{r}
 16-1+10.2 \\
 14 \quad 14 \\
 \hline
 1 \quad 47 \quad \varepsilon \\
 1.43 \varepsilon \\
 + 8.1 \\
 14.15
 \end{array}$$

9 41

202

May 26, 1907

W Corvæ

161138 est 98

16 8 + 385

1.44 E

9 48

14 18

+ 36.6

1 50 E

14.22

1000

Too cldy to continue

21414  
20

L.P.P.

(Wed) May 27, 1908

J.D. 2029

A 47

T Can Ven 122532 est 90

~~13~~ + 31.6 1:1 W 13:27

F 57

R Can Ven 134440 est 11.7

13 41 + 39.3 0:12 E + 39.6 13.31

13 29

0 12 E

Telescope E

B 00

S Bootis 141954 est 9.6

13 20 + 52.6

13:38 0:38 E + 52.4

13 33

0 47 E

G 4

V Bootis 142539 est 10.4

14 26 + 39.0

0:39 E + 37.3 13:42

13 40

0 46 E

H 7

R U Librae 152714 est 8.2

15 28 - 14.3

13:45 1:38 E - 16.7

13 44

1 44 E

I 10

R T Librae 150018 est 10.0

14 58 - 14.5

1:8 E - 20.4 13:48

13 46

1 12 E



May 27, 1908.

Z Scorpii 160024 est 9.4  
 2:4 E - 23.4 13.50

9 12

15 57. - 21.4  
 13 49  
 2 8 E

U Herac. 162119 est 11.0  
 13:54 2:21 E + 16.8  
 16 16 + 19.5

9 16

13 52  
 2 24 E

T Herculis 180531 est 7.5

9 19

4:1 E + 29.6 13:57

V Draconis 175654 est

17 55 + 55.1

13 58

Abandoned carb fund

3 57 E again

R Draconis 163266 est 10.6

9 40

2:1 E + 64.0 14:21  
 16 26 + 67.4  
 14 10

2 16 E

$\chi$  Cygni 194632 est 6.5

9 50

19 45 + 32.5 5:9 E + 31.3  
 14 22  
 5 23 E  
 14 29

May 27, 1908

RW Cygni 213753 est 80

~~abandoned  
for the present~~

10 9

$$\begin{array}{r} 21 \ 36 \\ 14 \ 32 \\ \hline 7 \ 4 \ E \end{array} + 54.2$$

$$\begin{array}{r} 21 \ 36 \\ 14 \ 44 \\ \hline 6 \ 52 \end{array}$$

$$6:38 E + 53.1 \\ 14:46$$

RW Cygni 213803 est 11.8

10 5

$$14:42 + 42.5 \quad 6:45 E$$

$$\therefore Ob RA = 21:27$$

RW Cygni 200938 est 7.6

10 12

$$\begin{array}{r} 20 \ P + 38.4 \\ 14 \ 48 \\ \hline 5 \ 20 \ E \end{array}$$

$$5:12 E + 37.2 \\ 14:49$$

U Cygni 20164) est 6.5

10 14

$$\begin{array}{r} 20 \ 11 + 47.3 \\ 14 \ 51 \\ \hline 5 \ 20 \ E \end{array}$$

$$5:15 E + 46.2 \\ 14:51$$

RW Cygni 202539 est 8.7

10 16

$$\begin{array}{r} 20 \ 23 + 39.5 \\ 14 \ 53 \\ \hline 5 \ 30 \ 2 \end{array}$$

$$5:22 E + 38.3 \\ 14:53$$

206

May 27, 1908

S' Ceph 2136.78

10 25

$$\begin{array}{r} 21\ 36\ +7\ 00 \\ 14\ 56 \\ \hline 6\ 40\ E \end{array}$$

Cant find

f Ceph (set on)

$$7:43\ E + 76.6 \quad 15.9$$

$$\text{Ceph } 22:52 = \text{RA.} \\ + 76.6 = \text{Dec.}$$

$$\text{Chart RA } 23:32 \text{ \& Dec} = +77.0$$

$$\begin{array}{r} \text{S' Ceph } 21\ 36\ +7\ 00\ \text{ext } 7.0 \\ 15\ 12 \\ \hline 6\ 24\ E \end{array}$$

10 42

found var but could not reset  
easily on same.

$$\begin{array}{r} \text{P.P.} \\ 17\ 431 \\ \hline 20 \end{array}$$



















































$$\begin{array}{r}
 44.1 \\
 8.8 \\
 \hline
 52.9
 \end{array}$$

$$\begin{array}{r}
 21.5 \\
 \hline
 10.5 \\
 63.5 \\
 \hline
 74.0 \\
 53.4 \\
 \hline
 20.6
 \end{array}$$



