

KG

11365

786



KG 11365.786













KG 11365.786





Thursday, March 1, 1906

7 <sup>4</sup>/<sub>35</sub> 003179 γ Cephei  
h 2 v  
v 4 k 11 <sup>1</sup>/<sub>2</sub>

022000 R Ceti  
n 1 U

Took for the stars

55 024217 T Arctis  
est. 8.9

8 024356 T W Perseus  
est 10.4

810 032043 γ Perseus  
β 2 v  
v = β 9th



15

Inch. 1, 1906,  
045514 R Leporis

d 32v 9.5th  
 v 3e  
 merged

20

235800 Y class  
 9.5v  
 with photo. sep.

11th

25

123961 S Mrs. May  
 est. 8.4

27

123160 TT Mrs. May  
 est. 12.4

29

RS Mrs. May: 123459

est. 11.2  
 comp. with TT Mrs. Sep



Mich, 1, 1906.

33

133273 TP Urs Min.  
dov  
via

40

142584 R Camelrp  
est. 9.4

900

163769 R Ursa  
est 7.9

910

122532 TP Can Men  
c3r 9th  
v3d

15

0.94023 R R Hydra

f2r  
r4g

est =  $11\frac{1}{2}$  th  
14 - 371  
1 - 61  
562  
L.P.P.

4

Monday, Mch. 5, 1906M

8 00

082405

RT Hydra

d 4v

v 5e

Int. to large

near moon

9.2

10

094622

f Hydra

x 1v

v 3β

2.0

very red & difficult  
Does this star really vary?

15

120206

RV Vry

very bright

d 4v

v 5e

7.3

RX vry

f 5v  
v 5h

p.3

intervals

to large

phot. sep



March 5, 1906.

8 3V 213 <sup>6</sup>48 S Cephei

Barley seen  
about = on <sup>11.6</sup> doubtful  
sky very poor

I tried for several stars  
but too low or near moon,  
so will stop.

5 376  
— 61 L. P. P.  
— 562

Monday, Incl. 12, 1906

7 40

021024 R Arcturus

~~9 32~~ est. 12.1

~~10 22~~ hazy in evening

50

015254 U Persei

est 10.1

8

021558 S Persei

est 8.7

8 18

023133 R Tauri

est. 8.1

seeing poor

77 Camelopard

Too cloudy

Still cloudy.

8 40

15 320  
1 61  
1 562

W. J. P.



7  
Wednesday, Moh. 14, 1966

800

001755 <sup>TP</sup> Cass.  
est. 9.8

05

001838 R Antares  
est. 8.8

10

013338  $\gamma$  Antares  
b42 9.5 th  
v2c

20

032335 R Pegasus  
est. 11.1

25

042215 W Tauri

b2v <sup>11.5</sup> difficult on account  
v3l of bright stars

30

030514 U Antares  
est. 9.9

R.D.

March 14, 1906.

35

043065 TT Camelops

est. 8.1

40

043274 X Camelops

$\alpha' 25$   
 $\alpha' 38$

11<sup>th</sup>

9 00

045307 R Omnis

est. 11.1

05

052034 S Aurigae

est. 11.2

08

053068 S Camelops

est. 10.8

15

053005 TT Omnis

est. 10.7. Immersed in neb.



March 14, 1906

935

054920 H. Pinnis

est. 10.4

13	—	393
—	—	61
—	—	562

L.P.J.

Saturday March 17, 1906

8 10

Clouds over nearly the whole sky.

9 05

15 33 78 S. W. Min.

very ft.

$\beta_3 v$

11.8

$\alpha_1 v$

9 15

16 32 66 R. Draconis

est. 7.7

065355 R. Lynceis

var. seen, but can not compare, as Haper's not at hand

9 20

066450 X Aurigae

~~11.8~~  $\beta_1 v$   
 $v - \beta_3 \beta'$

est. 10.8



Feb. 17, 1906.

9 40 134440 R Can. Venat.  
est 7.8

43 1517 31 S. Corneae  
est. 7.6

5 - 33A L.P.P.  
- 61  
- 562

Wednesday, March 21, 1906

748

Clouds too thick.

820

Clearer.  
of Cass 235805

Not seen.  
sky not clear enough for any  
stars very near.

830

054974 V Camelops.

31v  
23x 9 do?

840

064707 W Monoceros

k r  
v l h 11<sup>th</sup>  
hazy.

920

061702 V Monoceros

Can not identify - much time wasted  
No enlargement here



Mar. 21, 1906.

205 120905 4<sup>th</sup> Varig

~~for~~  
~~rig~~

est. 12.0

very poor seeing.

10 123307 R Varig

est. ~~12.3~~  
10.3

13 124606 U Varig.  
est. 9.2

R U Varig

Too high. cannot identify

8 30 155705 RT Varig.

h 5 r  
vic

8.5 etc

comp. not seen. sky too poor

14

March 21, 1906

835

141454 S Brooks

est. 9.3

46

146113 2 Brooks

g 2v  
rich

photo 29

8  
—  
—

406

61

562

L.P.



Thursday, Feb. 22, 1906

Watch, Kallham R.  
records fast at 7<sup>42</sup>

Mr. Campbell's watch  
22<sup>2</sup> fast at about 7.55  
21<sup>2</sup> fast at 7.33

805 094211 R. Lerner  
est. 5.9 faden

10 024217 TT Crute  
est. 8.7

813 024356 W. Pearson  
est. 10.4

Reappearance Jupiter's Satellite  
8 20 100 nothing  
8 21 20 nothing  
8 21 45 satellite seen.  
8 21 24 corr. time of reappearance

March 22, 06.

825 032043 J Percu

 $\alpha' 24v$  $\alpha - 1\beta$ 9.5<sup>th</sup>

30

061702 V Monre

est. 10.2

065208 X Monre

40

 $\alpha 3v$   
 $v 1b$ photos segs  
8.5<sup>th</sup>

072708 J Can. Min

45

est. 10.3

roughest comp. with  
only, as m is not on  
this chart. Hagen not here



March 22, 06.

880 063558 S Lyncis

h 2 v  
v = h11 th

858 123961 S Urs

col. s. y

58 123160 TT Urs.

p 2 N

900 123459 RS Urs.

v = h

v 3 m

12.5 th

910 124204 RM Virg.

v = b

v 4 c

very red

8 th

18

March 22, 06.

15 133273 TT the sun  
~~13~~ e3v 9.5th  
 v2a

22 142584 R Cam  
 est 10.7

20 143227 R Bootes  
 est 8.6

14 420  
 1 62  
 — 562 LPP



Friday, March 23, 1906

750 00.4435 V Audin  
Lunar  
22 N

800 050022  $\pi$  Leporis  
Lunar

Field too low now unless star  
is very bright.  
h 1 N

05 235855  $\gamma$  Cass.  
Perhaps barely glimpsed  
but it may be star m.  
L 6 N

08 103769 R Mus.  
est 8.3

March 23, 1906.

815

693014 X Hydrae

v-b 8th

v 3 c

hazy in region

no

122532 T Can Ven

~~632~~

v 2 d

8.5th

~~632~~

23

142539 v Bootis

est 10.7

154428 R Corvina

21

For input to compare  
note f. i. m. m.  
chart  
roughish like



830

Mar. 23, 1906  
 154539 V Corona  
 est. 8.6

900

160150 RR Herc

e 3v 9th  
 v 3f

100

142205 R S Virg  
 m1 U

200

132 202 V Virg  
 est. 10.3

very cool  
 7 427  
 4 66  
 - 562

L. P. P.

Saturday, Incl. 24, 1906

800

084883 S Hydrae  
est. 8.7,

05

085120 TT Cancer

est. 8.6

very red & hard to compare

10

070310 R Can. Min.

est. 8.6

I can not find V H. star  
30 Perhaps the declination  
circle is out

37

132706 S V. inf

est. 9.9

seems very poor here



Inch. 24, '06

9

R Here  
For low

905

160625 R H Here

h 3 v  
v = k

very low.

Other stars in Here. to low

30

161138 W Corona

g 4 v  
v 2 h

low

6  
—  
—

433  
66  
562

Wednesday, Mich. 28, 1906

920 05353, U Aurigae  
est. 11.1

31 055353 Z Aurigae

~~21~~

Σ 1 V

11<sup>th</sup>

V4 θ

reddish

R Canceri  
Lofth. for chartabha  
Hafu not here

063558 S Lynceis

h5 v  
v1 h

11<sup>th</sup>



March 28, 1906

082405 RTT Hydraeb2v  
wid8.5<sup>th</sup>

945

50

213678 S Cephei

\* l2v  
v 3m

11.3

5	438	L. P. P.
-	66	
-	562	

Saturday, Dec 31, 1906

9.15

141454 S Bortis

est 9.6

20

104620 V Hydrae

est 9.0

very red.

25

143227 R Bortis

est. 8.7

28

134440 R Can. Venet.

est. 7.2 Jucan

30

124606 U Virg.

est. 9.7

33

123307 R Virg.

est. 10.7



Mar. 31, 1901

40

160118 R Here

p 3 u

45

165631 R V Here,  
var. suspected, but  
eff seen, about 4 or 5  
grades fainter than X.

A 7

445

1

67

-

562

Z.P.

Monday, April 2, 1906

8 30

015254 A. Persei  
est. 9.0.

A. Antares  
too low

8 30

021558 S. Persei  
est 8.7

A. Luauy.  
too low  
or not seen  
e. seen

Thin clouds over sky.

8 50

Too many clouds.

2 - 44.7  
- - 67  
- - 56.2

Z.P.



Tuesday, April 3, 1886

800 00.1755 T<sup>1</sup>Can  
est. 8.7

15 023033 R. L. Lundy,  
est. 9.4

08 032335 R. Peiser  
est. 12.4  
barely seen

10 042309 S. Lanni  
est. 10.6

R. Hunt 042209

~~q z n~~  
z z n

830

April 3, 1906.  
 041619 TT Sam  
 est 11.0  
 very hazy in region

35

043065 TT Cam  
 est 8.4

38

043274 X Camelops  
 225  
 225 12th or fainter  
 barely seen

R Orionis  
 sky too poor.

50

0549.20 U Ori  
 est. 8.8  
 052034 S Aurigae  
 est. 10.9



April 3, 1906

900

053068 S Camelop  
est 10.4

10

053326 RR Tauri

$g_{32} =$

15

072708 S Can. Min  
est 11.0

30

083350 X Urs. Maj  
 $e_{22}$   
 $r_{32}$   $g_{40}?$

35

210868 TT Cephei  
est 6.8  $\gamma$  index

40

213678 S Cephei  
est. 11.1  $L_{14} 461$   
 $z 69$   
 $562$

Friday, April 6, 1906

M

Mars 15<sup>2</sup> fast at 7.25

8.00 151731 S Cor

est 7.4  
roughest from map  
only.8.10 163266 R Dra  
est. 8.1

Disappearance of Satellite III

8.23  
Satellite seen faintest over thin8.25  
Satellite growing fainter all  
the time

8.25.45 barely seen

8.26.12 not seen



April 6, 1906

Observation of disappearance  
not considered very good  
owing to constant moving of the  
telescope by the wind.

Watch 23<sup>rd</sup> fast at 8<sup>h</sup> 31<sup>m</sup>

Moon very bright & clouds  
quite numerous, so will  
not attempt further obs.  
to-night.

2	46.3	L.M.D.
—	67	
—	56.2	

Friday, April 13, 1906

7 20

R Arctis

Region below for ob. mrr.

7 25

034356 W Perseus

est. 10.7

30

042215 W Taurus

k. N

35

044617 V Taurus

est. 9.3

50

045307 R Orion

g. H N

therefore  $< 11.6$



April 13, 1906

050003 V *Orion*

9.1 v  
w 2 h 9.5th

052004 S *Orion*  
est. 10.4.

08 053005 a TT *Orion*  
est. 10.6

12 032043 f *Perseus*  
2.1 v 9th  
v 2  $\beta$   
very red.

15 054474 v *Canis*  
2.2 v 10th?  
v 3 f

April 13, 1906.

830

060450 X Aurysae

S 4 v

v 1 z

11 th

87

061647 V Aurysae

est. 9.0

40

061702 V Mmre

p 1 v

v 3 q

12 th

45

064707 W Mmre

v = k

v 4 l

11.5 th

065208 X Mmre

c 5 v  
v 1 b

9 th



April 13, 1906,  
 90 072811 TT Can. Min.  
 est. 11.3

05 073508 U Can. Min.  
 est. 10.9

10 074323 TT Gem.  
 est. 9.6

13 084803 S Hydrae  
 est. 10.0

20 093014 X Hydrae

C. 20 8.5th  
 r 2d

28 094023 RR Hydrae  
 h 3 n

April 13, 1906.

094622 of Hydræ

$\alpha$  2 v

v 3  $\beta$

chart (a)

est = 7 th very red.

140113 2 Boottis

var. barely glimpsed

h 4 v complement

19 - 482

3 - 22

— - 562

L.P.P.



Monday, April 16, 1906

825

133273 T Vis. Min

~~v = 7~~  
v = 7  
v = 3g

10 1/2 th

30

120206 R W Trap

v 3 e

7 th

d. in bright

35

115905 R X Trap

~~40~~

e 6 v photo. sep.  
v 2 h  
8 th

Photo. sep. will have to be  
changed & added to if  
to be used visually.

April 16, 1906.

TT Cam. Ben  
Lor faint for chart at hand.

132202 V Vireo  
9-1 N  
=

850

900

142539 V Bootes  
est. 10.2

05

142584 R Cancri  
est. 12.2

18

144918 U Bootes  
est. 10.3

154539 V Corvinae  
est. 8.4



April 16, 1906.

920

160150 RR Here.

g 12  
r 3 g

9.5<sup>th</sup>

30

160625 RR Here.

h 1 r  
r 1 k

11<sup>th</sup>

31

161138 W Corona

k 4 r  
r 1 k

12<sup>th</sup>?

not badly seen

45

13.2706

SV up

est 12.0

60 7492  
- 73  
- 562

42

Tuesday, April 17, 1906

7 30

103769 R. M. S.  
est. 8.8

35

043065 TT Cam  
est. 9.1

40

032335 R. P. S.  
 $m \approx \frac{n}{2} \therefore < 11.9$ 

S. J. S.

Region too low & almost  
behind clouds deeper only  
the brighter stars seen

8 900

043274 X Canis m  
542 1.25 with?



April 17, 1906

8

910

05-20 34 S Aurigae  
est. 11.0

25 Clouds scattered over sky.

25 U Aurigae  
very ft. but too cloudy  
for obs.

910

123307 R Vir  
est. 11.0

930 Too many floating clouds  
to get good obs.

5 49.7  
2 75  
- 562

Wednesday April 18, 1906

7 30 134440 R Cam  
est. 7.7

4 0 122532 TT Cam Ven  
d.v. cloudy?  
N 3 e

clouds  
8 05 01525<sup>4</sup> U Persei  
est. 8.8  
very hazy.

10 021558 S Persei  
est. 8.9

20 023133 R Inanif  
For low on haze.

23 053068 S Camelop  
est. 10.4  
very uncertain due  
to clouds



April 18, 1906.

830

072708 S Can. Min  
est. 11.6

35

063558 S Lynce's

var. in faint fork  
the faintest star collected  
nearly equal to star ~~prom~~  
ionally called n 8 to marked  
n 1 v

40

120905 TT Virg.  
03 n

50

12420 & R N. Virg  
b 2 v  
v 2 e  
v very v

46

April 18, 1946.

90

124606 U Virg  
est 11.4

05

125705 RTT Virg

r-e

v2d

quite red

20

160210 U Serpens

g3v  
with

photo seq.

30

093934 R Lenns Mo  
est 11.5

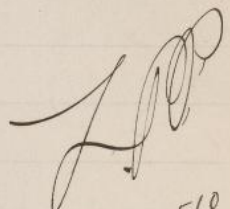
35

094735 S Lenns

g1v

v2e

10th

marked on back of  
R Lenn. Min. chart
  
 13 - 510  
 1 - 76  
 - 562



Friday, April 20, 1906

830 Cloudy early in eve, but  
sky appears better morn.

40 053531 U Aurigae  
est 11.3

sky doubtful, obs. uncer-  
tain

45 088350 X Ues. Maj.  
e. 4v  
v. 7

50 082405 RIT Hydrea  
a' 2v  
v 4 b

900 180666 X Deneb  
Prob. mis-  
one star seen near position

910

April 20, 1906  
 W. Diacnis 18 66

kor  
 232

W. Lyrae  
 for cloudy in evening

20

193449 R. Cygni  
 est. 8.2

sky too poor for stars on  
 my list. It might do for  
 star high over head but  
 I have no charts for those.  
 so will give it up, L. S. P.

5 - 515

1 - 77

- - 862



Friday, April 27, 1906

740

001755 TT Cas.  
est. 8.7

Low & seeing very poor

45

054920 U Orion  
est. 7.9

TT Jauri  
Too low in fog.

55

075612 U Puppis  
est. 11.5

800

055653 2 Aurigae

012

v 3 x (comp.)

10 th

April 27, 1906.

805

081617 V Cancer  
est. 9.6

10

085008 TT Hydrae  
est. 9.6

13

090157 V Mrs. Major  
div  
v 4 e

20

104620 V Hydrae  
est. 9.2  
very red.

40

150018 R TT Librae

C 4 v  
v 1 d

Low



April 27, 1906.

915

150519 TT Librae~~est 11.2~~ <sup>long.</sup>  
est 11.2. difficult

20

150605 J. Libraeb3r  
r1e8.5 th?

23

151520 S. Librae  
est. 10.5 (two lines)

30

164715 S. Herc.  
est. 7.1

35

162807 SS Herc.  
on 4 n

40

April 27, 1906  
171723 R S Hees

~~171723~~

C 17

75 d

50

171481 Z of h  
not certainly seen  
h 2 h

14

529

2

79

-

562

L. P.



Saturday, April 28, 1906

810

075612 H Puppes

h 2 r est. 11.6  
r 2 h

15

024356 W Pucari  
est. 10.7

20

032043 y Pucari  
r =  $\alpha'$   
r 3  $\beta$  8.5<sup>th</sup>

40

054974 V Cam  
r =  $\gamma$  10<sup>th</sup>?  
r 4  $\delta$

30

061647 v Anquae  
est. 9.0

54

April 28, 1906.

8 45

064707 Mr Monroe.fir  
frag 11<sup>th</sup>

55

065208 X Monroe.cir  
v3b

9 00

050953 R Aurigae

est. 9.2

0 5

071713 V Gem

est. 11.8

0 8

073508 U Can Mo

est. 11.3

1 0

084803 S Hydree

est. 10.8



April 28, 1956.

20 074223 TT Gem.  
est. 9.0

30 163266 R. Draconis  
est. 9.5

35 143417 V Librae  
est. 12.3

40 151540 S Librae  
est. 12.3

seeing poor in region

15 544  
— 79  
— 562

L.P.

Tuesday, May 1, 1906

8 10 123962 S Uls. Mag.  
est. 8.4

15 141954 S Bootis  
est. 11.4

18 143227 R Bootis  
est. 10.8

20 151731 S Corvinae  
est. 8.0

25 153378 S Uls. Mag.  
~~W~~ = d  
V5e

28 154539 V Corvinae  
est. 8.1

30 154615 R Serpentes  
est. 9.8



May 1, 1906

40

163137 W Heres  
est. 8.7

45

162119 W Heres.  
est. 7.7

50

175519 R y Heres

$v = a$

$v = 2a'$

11 th or less

~~910~~

175111 R T oph.  
Too low,

910

181136 W Lyrae

$d = 3v$

$v = 2e$

11 th

20

184134 R y Lyrae

34v

$v = 1\theta$

12 th

9 30

May 1, 1906.

201647 U Cygni

est. 10.0

very red

31

213678 S Cephei

est. 10.2

very red

40

210868 TT Cephei

v. id. Flueker

43

103969 R Urs

est. 9.7

16	560	L P P
-	77	
-	562	



Thursday, May 3, 1906

840

TT Cam.

Too many clouds.

Sky too poor for obs.

Friday, May 11, 1906

820

021558 S Perseus

est. 8.9 Low.

25

043065 TT Canis

est. 9.9

30

043274 X Camelopardalis

212

$v = 5$

12th

33

052034 S Aurigae

est. 11.1

40

053068 S Camelopardalis

est. 10.3

45

053531 U Aurigae

est. 11.1

maybe star of

difficulty I think it is  
the star I see but am not  
sure, since the star in the n. f.  
seen is not certainly seen



May 11, 1906

900

063558 S Lynce

n 4 v

r 1 0

0 selected &amp; marked

n 4 0

910

064030 X Gemm.

a' 2 v

9.5 th

r 4 e

072708 S Can. Min.

just going behind clouds some

20

082405 RT Hy drae

a' 2 v

a' marked

r 4 b

my old chart

30

083350 X Ursa Maj.

g 2 v  
r 3 k

photo. sep. 1'

May 11, 1900.

940

093934 R Leonis min.  
est. 11.8

45

094211 R Leonis  
est. 6.7 Fieber084803 S Hydrae  
est. 11.6

13	573
-	79
2	564

L.P.



Monday, May 14, 1906

072708 S Cam. Min.

0 3 12

065111 f Minore.

x 5 v

v 1  $\beta$ .

065530 R S. Lem.

x 4 v

v 1

1<sup>st</sup> photo

085120 TT Camera  
est. f. 5

133273 TT Mrs. Min.

h 2 v

v 3 h

11 th

134440 R Cam. Ven.  
est. f. 6

May 14, 1906

142539 V Bootis  
est. 9.2

910

144918 U Bootis  
est. 10.5

160150 R R Herc

25r

v1e

d. bright.

8.5th

160210 U Serpenti's

div

v3e

8.5th

160625 R A Herc

m2r

v3e

12th



May 14, 1906

175114~~5~~ R 710ph.

65 N

190529 V Lyrae

Not seen.

0 2 N

10

3

1

503

02

564

L. P. P

Tuesday, May 15, 1906

8 20

050953 R Aurigae  
est. 8.7

R R Lami & N Orionis  
Lor Lor

30

054974 V Camelopard.

γ 2 v 10.5<sup>th</sup>  
v 18

13

γ not seen.

40

153378 S Ues Aur  
d 4 v  
v 1 e

45

061647 V Aurigae  
est. 9.3

48

071713 V Ues Aur  
est. 10.1

Seeing from 4m



May 15, 1906

900

081617  $\gamma$  Cancri  
est. 8.8

10

074323  $\gamma$  Gem  
est. 8.8

15

085008  $\gamma$  Hydrae

est. 8.7

20

163266 R Drae  
est. 10.2

30

143417  $\gamma$  Librae

h 3  $\mu$

40

150018 R  $\gamma$  Librae

e  $\frac{5}{\sqrt{2}}$   
 $r = d$

Low

May 15, 1906.

150605 of Librae

C1 v

2-3 d

11	594	LSP
1	03	
—	564	



Friday, May 18, 1906

8 15 Cloudy

9.30 Tried for several stars but  
sky too poor.

Monday, May 21, 1906

8 30 141954 S Bootis

est. 12.4

31- 151731 S Corinae

est. 7.6

very rough estimate from C & C  
d off the chart.

40 154539 V Corinae

est. 8.9

57 055353 Z Aurigae  
Z and companion stars are  
Almost an equal pair

$\Sigma 3 v$

$v 1 \lambda$

10.5 th

55 090157 V Urs. Maf.

$a 4 v$

$v 1 \lambda$

10 th



May 21, 1906.

900 171723 R TT Here,

d 1v  
v 3e

9th

05 150519 TT Librae

est. 11.7

151822 R S Librae

15

~~Q~~ b 4v  
r 1d

Slow obs. for, ran, seemed  
the near position for  
slow "L", but it is too high.

25 153020 X Librae

est. 11.0

153215 W Librae

35

d 4v  
v 1e

Low

72

950

May 21, 1906  
 213843 SS Cygni

0.2 v  
 21 f

11.97  
 12.04  
 12.00

11 605  
 — 23  
 — 564



Tuesday, May 22, 1906

800 Cloudy.

830 R. Ws. Wey.  
For cloudy.

Monday, June 11, 1906

9 V

043065 T Camelopard  
est. 11.6.

05

043274 X Camelopard  
b-s-v § 9th  
v-12

1 V

053068 S Camelopard  
est. 10.2

15

081617 V Cancer  
est. 8.5 low

20

083350 X Ursa Major  
k 3 M

084803 S Hydrae  
low low

3 V

093934 R Lemnis minor  
est. 12.5



June 11, 1906.

35 09 44.2 R Leon.  
est. 7.1

45 21 38.43 S S Cygn

C 2d  
v, d

ob

No chart at hand

7	612
1	44
—	564

Tuesday, June 12, 1906

S Persei  
for loss

RT Hydrae  
for loss.

Cloudy

8 55

125705

RT Uris  
photo key

f 3 v

v = c

seeing very poor.

9 00

151614 S Serpentis

est. 2.2

10

154615 R Serpentis

est. 7.4 Fainter

20

160118 R Hercules

est. 9.7



June 12, 1906.

Several stars in Ophiuchus  
searched for but region too  
cloudy.

845-182306 TT Serpens  
p. n

4	616
1	85
<u>—</u>	564

Wednesday, June 1<sup>st</sup>, 1906

8 30

Thin clouds over sky.

9 00

Still cloudy

9 05

213843 SS Cygn

Fairly clear in region

dir

vze

10

103769 R. Ues. Nap.  
est. 11.5

9 20

011272 S Cass

est 9.9

Seeing poor.

200938 RS Cygn  
est. 8.1



June 13, 1906.

930

201647 W Cygni

est 9.2

very red &amp; sky high.

31

213678 S Cephei

est. 10.1

40

098425 W Cancri

9.2

Sordidly

Thursday, June 14, 1956

900

095421 V Lennis

k, N ∴ < 12.9

100

104814 W Lennis

k 3 v  
r 1 l

12.5 th

200

110506 S Lennis

k, N ∴ < 12.6

250

096425 W Cancer

k, N

300

050953 R Cancer

est 9.1



June 14, 1906

940

060450 X Aurigae

 $\delta 5r$ 

vix

11<sup>th</sup>?

Lorr.

45

054974 V Camelopard

 $\delta 2v$ 

vix

10.5<sup>th</sup>

Lorr.

1000

093178 Y Dracon

 $\delta 2 \underline{N}$ 

05

120905 III Virg $\delta 2 \underline{N}$ 

10

122803

Y Virg

ext.

10.4

10.20

June 14, 1906  
 128606 ~~77~~ <sup>26</sup> Virg  
 est. 12.2

25

213843 S. S. Cygn

d. 40  
 r. 1e



Friday, June 15, 1906

830

Cloudy

900 160210 U Serpens

$r = f$  photo. sep.  
 $r = 3g$

08 160150 R R Herculis

cov v reddish  
vle

e4d Cir. 74-II

910

213843 SS Cygni

seem very poor & hazy in  
april

cov  
vif

will try again later

June 15, 1906.

20

160625 R U Herculis

01 v

r2 p

12th or less

25

161607 M OphiL1 N

162112 V Ophi

35

C1 v

r4 d

varied,

Seeing very poor in evening

45

164715 S Herc

est. 8.1

50

213843 S S Cygn

C2 v  
r1 p

Independent of

Lamie's position the first



Tuesday, June 19, 1906

9 v 190926 X Lyrae  
 24 v stars selected & marked  
 v 1  $\beta$  Harro's observer  
 further stars?

10 190925 S Lyrae  
 not seen.

20 065355 R Lyrae  
 in 3 H

055358 Z Aurigae  
 for loss in haze

30 090157 95 Uro. May.  
 d.v. 10th?  
 v4e

38 121418 R Com  
 ests ~~10.7~~  
 10.7

June 19, 1906

940

115905 RX Vrif

h1v

r2g

h3-4g

photo sep

45

121206 RW Vrifd<sup>3</sup>r

r2e

7th

50

122532 TT Canum

h2v

r4l

h urbscen

1000

124204 RU Vrif

d3v

r2e

OK

130412 RV Vrif

h3v

r1e



June 19, 1806

10

10

132202 V Virg.Lurid.  $\angle 12?$ 

&amp; perhaps glimpsed

15

132706 S Virg22 N $\angle 10.9$ 

20

134440 R Can. Ven,  
est. 9.2

23

140113 Z Bootes

h3 N

28

141954 S Bootes

w1 N $\angle 1, 2, 6$ 

103 0

213843 S S Cygni  
h2 v

Wednesday, June 20, 1906

800

135968 R R Virg  
f 1 n  $\leq 11.5$

100

146412 Z Virg  
est. 11.6

150

142205 R S Virg  
n 3 n

f S corpi  
Forhays. Can not  
identify field.

300

162119 U Heras  
est. 8.0 vch

400

143227 R Bootis  
est. 11.2.0



June 20, 1906

45 142539 V Bootis  
est. 8.1

50 144918 U Bootis  
est. 18.4

58 213843 SS Cygni  
L32  
win

mil

Very happy to report for our  
class.

Thursday, June 21, 1906

9 00

163137 W Hec.  
est. 9.3

05

163266 R Drac

~~est.~~  $\phi$  1 N 11.7

7 Aurigae, 6 Aurigae & 5 Caris  
all below in haze.

R Librae

Can not find the var

30

155018 R R Librae

est. 11.8

9 35

162807 SS Herc

$v = e$

537

Clouds gathering rapidly



June 21, 1906  
9 50 Clouds over whole sky.

Friday, June 29, 1906

Very hot in dome

150519 TT Librae

f 2  $\frac{n}{=}$  hazy,

150518 RT Librae

hvr  
r 2 k

150605 f Librae

h 3 ~~h~~  
v 1 l

l' marked as variables

h 2  $\frac{l'}{h}$

v 1 l'

r + l' are nearly equal,

151520 S Librae

est. 8.7



June 29, 1886

40

152714 A U Libras

932  
rich

photog. urban  
Lrr.

S Serpentiis-100 ft for chart  
Where is Hagen?

50

153378 S Ues. Min

c2r

9th?

v1c'

J. Scarpin

Can not identify. Look up

Monday, July 16, 1906.

Stars in Libra tried for, but  
she is too poor in this region

850 SS Cygni 213843

012  
vzp.

202589 RW Cygni

a2v very red.  
r1b

021281 2 Cephei  
f 4 n

022980 RR Cephei  
Wtzen

662

103

564

Posted  
Ledger to  
have



Monday, August, 13, 1906

8 25 213843 S S Cygnus  
02 v, 1 p.

3 v 170215 R oph.  
est. 12.8

40 171401 Z oph.

e 6 v

r 4 f

int. bet. e & f too large. Perhaps  
another plate has been selected

41 170627 R TT Herc.

e 3 v

r 2 b

9<sup>th</sup>?

9 v 171723 R S Herc.

var. minor. L seen, & two  
faint stars pres. var. nearly in  
same dec.

Aug. 13, 1906.

165631 R V Herc.

b or

10.5 ~~sh~~

r = d

J. A. P.'s notation.

174806 R S oph.

h or  
r k

11 ~~sh~~

175111 R TT oph.

k or  
r k

9.30 210129 TT W Cygni

01 R

7

2

—

669

100

664

LPR



Tuesday, Aug. 14, 1906

815 191637 U Lyrae.  
 var. very red, and in  
 position I marked on Plate  
 45 v, 2 L 10<sup>th</sup>

25 ~~R~~ R Sae.  
 Cloud forming

40 213843 SS Cygni  
 $r = 0$   
 $r = 3$  p  
 slightly brighter than normal.  
 Observe again

45 191019 R Sae.  
~~R~~ est. 11.5

47 191309 S Sae.  
 n, n

Aug. 14, 1906.

9 00

191321 2 Sag.

est. 11.6

This may be star marked  $\pi$ ,  
but it appears to be rather  
in pos. of  $\gamma$  var.

05

190819

RW Sag. phot.  
nrt.

d.v

v3e

15

190818

RX Sag.

~~ev~~  
~~v2f~~

v = f

v3g

phot.  
nrt.

20

200938 RS Cygni  
est. 8.8.

22

201437 b WX Cygni

ev  
v2f



Aug. 14, 1906.

924 213843 SS Eyrer

Not very clear in spectrum

$r = 0$

9	678	L.P.P.
1	106	
—	564	

830

Wed. Aug. 15, 1906

213843 SS Cygni

at 11.9

1	679
—	106
—	564



Thursday, Aug. 16, 1906

830 213843 SS Cygni  
est. 11.9

35 191017 TT Sag  
g<sup>12</sup>  
v<sup>3</sup>h

40 1755-19 Ry Herc.  
g<sup>5</sup>N

04 200715a S Aquilae  
h<sub>2</sub>r  
r<sub>1</sub>g  
h<sub>3</sub>-4g

50 2954 S TT Cygni  
β<sub>4</sub>r  
r=δ 12<sup>ds</sup>

Aug. 16, 1906.

9 00

214102 V Aynari  
est. 8.8.

204104 W Aynari

035

~~a' 3 v~~

~~v 6 c~~

~~2~~

a' 3 v

9th

v 6 c

If a sequence rather than  
the photo. has not been  
selected, it should be done.  
I have now seen this star  
so bright

9 20

204405 TT Aynari

var. vici 4 seen

var < 12.8

200842 W Cap.

3.0

h 2 v

not ident.

v 1 c



Aug. 16, 1906,

9 45

204215  $\mu$  Cap.  
 $k^3 \mu$   
 $v \angle 72.5^\circ$

7	686	
3	109	R.P.P.
—	564	

Monday, Aug. 20, 1906

Cloudy

8 30

SS Cygni.

Reflex seen between clouds.

Var. not bright, not easily seen, although it was glimpsed.

8 34

812

v2 f

caught between clouds

1 687

— 109

— 564



Wednesday, Aug. 22, 1906

8 00 213803 SS Cygni

$r = \overset{m}{x}$

$r 2 \overset{m}{x} l$

~~h 3 l~~  $\overset{m}{x} 3 \overset{l}{x}$

No chart at hand

9 00 210500 RS Cygni

d. 1 v

est. 10 th

$r 2 \overset{x}{x}$

85 210812 R Equulei

$l' 4 v$

~~10~~ 11 th

$r 1 l$

15 210903 RR~~B~~ Cygni

$f 2 v$

$r 1 g$  11 th happy.

Aug. 22, 1906.

200514 R Cap.

9 25

h 5 n

231425 W Pegasi

3 v

$\gamma 4v$   
 $r = \delta$

12.5 th

210516

2 Cap.

35

$\alpha' 3v$   
 $r 1 \delta$

10 th

40

021558 S Persei  
each 9.9

45

001046 X Andromedae

$\beta 3v$   
 $r 2 \gamma$

9 th

L.P.P.  
D 625  
1 440  
56x



Friday, Aug. 24, 1906

8 25

213843

h1v  
v3h

230759 V Cass.

30

v2h  
v3h

235753 R R Cass.

35

δ1v  
v2ε

Am not certain  
that this is the var.  
but it appears to be  
in correct position. My drawing  
in chart (b) gives ~~two~~ three  
stars in line. I see only two.  
the middle one seems to be  
missing.

235525 Z Reg.

n3v

o not seen

some cloud in region

Aug. 24, 1906.

8 55

213753 RR Cygni

f, r  
r 4 g

9 00

004435 V Androm

d, r

r 2 f

e much > f

10

004533 RR Androm

x 1 r

r 2 f

15

004958 W Cass -

b 3 r

9 th

r 4 c

b selected & marked

but. b-c rather large

24

b 7-8 c

20

010940 U Androm

g 2 r

r 3 f



Aug. 24, 1956

9 30

013238 R N Androm

d 3 v

v 2 f

e 2 d

35

014958 X Cass.

f 1 v

v 2 x

v very red

11

706

RVB

—

110

—

564

Monday, Sept. 3, 1906

8 15

001726 TT Audm  
est. 9.4

20

001755 TT Cass  
est. 8.7

23

001838 R Audm  
est. 9.7

25

004047 U Cass  
est. 8.8

TT Delphin

Clouds forming

8 45

Clouds too thick

4

710

-

110

-

564

L. M. P.



Tuesday, Sept 4, 1906

830

213843 SS Cygni

Cz, 3 d,

$\frac{F. 7}{F. 3}$   
F. 5

175458 TT Draconis

40

Both stars seen distinctly  
TT, which is the north  
following comp. is much  
the brighter,

h 3 v  
v 2 h

3 712  
- 110  
- 564

APP

Wednesday, Sept. 5, 1906

7.25

141954 S Borths  
est. 10.5

31

142205 R S Vair.  
n 2 u

40

144918 u Borths  
est. 12.0

45

154539 R Cor.  
est. 10.7  
very red

48

161122

R Scorpion  
est. 10.9

50

S Scorpion  
est. 11.0



Sept 5, 1906

8 vu

160021 Z Scorpion

v = e

r = 5 f

10:55 th

W &amp; X Scorpion

sky too hazy to identify again

162112

R oph.

20

e 12

r 4 f

red & difficult  
too.

25

170215 R oph.e 2 n

r 11.8

30

171401 Z oph

v = ~~e~~ c

r 3 d

Sept. 5, 1906.

835

160150 RR Herc.

a 2 v ~~est~~  
r 2 b 8th

38

213843 SS Cygni

c 4 v

r 1 d

8.7

~~16<sup>2</sup> 16<sup>2</sup> 16<sup>2</sup> 38 (1885)~~  
~~16 16 16 38~~

W. Corrae

45

δ 3 v

r 2 c

Am not sure whether the  
letter is δ. Star is s.f. c  
in quadrilateral

50

162807 SS Herc.

d 3 v

r 3 d'

e too faint to compare with  
d - d'



Sept. 5, 1906

900

165631 R V Herc.

X12

v4β

Sky quite bright from  
moonlight now.

920

170627 R TT Herc.

b'42

r1d

14

726

2

112

566

L.P.P.

Thursday, Sept 6, 1906.

7 50

171723 R S Herc.

$g' 5.5$  est 10<sup>th</sup>  
 $r 1.6$

55

TT 4 S Oph.

sky tropic in region

8 50

183308 X Oph.  
 est 7.2

10

174406 R S Oph.  
 $k 1.5$   
 $r 1.6$

20

175111 R TT Oph.  
 $g 2.5$   
 $r 1.6$

30

175654 V Drac.  
 $k 1.5$  d 5 C  
 $r 2.6$



Sept 6, 1906

8 40

213843 SS Cygni

C 50

r = d

Clouds near  
but probably  
not affecting obs.

85 — 004435 V Androm

e 50

r 1 d

e 6 d

004533 RR Androm

50

a" 40

r 2 c

9 00

001046 X Androm

p 30

r 2 y

9 15

004958 W Cass

h 60

r 2 c

Sept. 6, 1906.

908

RH Cass.

Sky to cloudy.

Clouds rising in East

10	736	L.P.O?
—	112	
—	564	



Friday, Sept. 7, 1906

810 213843 SS Cygni  
est. 9.2

15 ~~100~~ 30118 R Pegasi  
est. 7.3

20 220613 R Y Pegasi  
p 5 H

28 220714 R S Pegasi  
p 5 v

Are there any families comp  
stars?

835 R Pegasi  
Clouds over upm

855-

Sept 7, 1906

Several stars tried for  
but too many clouds
$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 739 \\ 113 \\ \hline 564 \end{array}$$

L.M.



Saturday, Sept 8, 1906

805 TT Mrs. May  
1000 est. 8

10 123459 RS Res. Mef.  
vcb  
v6c

15 405-923 R Vulpes  
r = m 98  
Hafen not here.

18 213843 SS Egan  
est. 9.7

20 431425 Mr Pysan  
822  
518  
11.5 lb

Sept. 8, 1906.

235053 R R Cass.

81v 12th  
v3z

31

235525 2 Pegasi

02v  
v1f

photog. mt.  
11th

40

010940 H Audum

h2v  
v3h

11th

48

014958 X Cass.

x1v

11th

v=7

Must all the comp stars  
be marked var.

55

013238 R H Audum

v=2

v2g



Sept 8, 1906.

900 015254 U Perseus  
est. 8.7

05 021143 W Auden  
λ 3 v 12.5th  
v 1 μ

10 011208 S Piscini  
m 3 N ∴ < 12.3

20 011712 U Pisc  
g 5 N ∴ < 12.2

28 012502 R Piscini  
est. 10.6.

30 501809 S Ceti  
λ 3 v low  
v 1 R

Sept. 8, 1906

9.45

191717 TT Sagittae  
est. 9.3.

191637 (U. Lyrae

25

$\alpha' \approx r$  required

v 2L

X' selected & marked

16 755  
2 115  
— 56x R.P.P.



Tuesday, Sept. 11, 1906

815

190819 R W Sag  
d 3 r  
v 1 e

18

190818 R X Sag  
f 3 r  
v 2 g

20

204016 T Delphin  
est. 11.6

25

203816 S Delphin

n 3 r  
v 2 g

p not marked

03 n

30

213843 S S Cygn  
k 1 r  
v 4 e

10.6

Sept. 11, 1906.

8 40

222439 S Lacertae  
est. 12.6

45

231508 S Peg.  
est. 8.11

50

235350 R Cass.  
est. 8.7

55

021024 R Arctis  
est. 10.7 hazy.

9 00

021558 S Persei  
est. 9.9

9 10

023133 R Lync.  
est. 7.6

9 30

191358  $\gamma$  2 Cygni  
x 5-v  
rid12 767  
115  
564

11th



Wednesday, Sept. 12, 1886

840

213843 S S Bygum

$\delta v = l$

$v = 4m$

45

024356 W Perseus

est. 9.1

Z Perseus

Cloudy.

9 vs

All cloudy

2  
—  
—

769  
115  
564

L.M.P.

W.S.

Saturday, Sept. 15, 1906

032043 J Persei

$\alpha' 3.2$

$v 3 \beta$

8.5<sup>th</sup>

032335 R Persei

est. 10.3

024356 W Persei

est. 9.0

221722 RTT Apsara

$a 3 v$

$v 4 c$

photog. sep.

~~est.~~ 8.5<sup>th</sup>

corr.

225120 S Algans

est. 8.4



Sept 15, 1906

213843 S S Cygn  
est. 11.7

233815 R Aquarii  
est. 10.5

<sup>4718</sup>  
233815 Z Aquarii  
est. 8.8

comp. stars of R Aquarii used

235209 V Ceti  
est. 9.2

235715 W Ceti

V 2 a'

a'' is too bright to compare  
with

Sept. 15, 1906

050953 R Aurigae  
est. 8.1

053068 S Camelopardalis  
est. 8.4

12	781	L. P.
-	115	
-	564	



Monday, Sept. 17, 1906

750 213843 SS Cephei  
est. 11.6

800 210868 TT Cephei  
est. 9.0

05 221733 TT Lacertae  
b' 2 v 9.5 ~~th~~  
v 3 c

08 015272 S Cass  
est. 7.6 reddish

10 213678 S Cephei  
est. 8.5 Redder than  
any other stars I observe

15 134440 R Can. Ven  
est. 11.8

Sept. 17, 1906,

142539 R Bootis  
est. ~~7.6~~ 7.7

30

143227 R Bootis  
est. 7.2

35

151714 S Serpentis  
est. 9.5

40

151731 S Corvinae  
est. 11.8

45

142584 R Camelops  
est. 8.6

50

153378 S Ursa Min.

b'1 r  
r 3 b

55

154428 R Corvinae  
Lobular & companion mtd f.  
16th?



Sept. 17, 1906

9 OT 154615 R Serpente  
est. 9.1

10 160118 R Herc  
est. 10.9

20 164715 S Herc,  
 $\Sigma 4 \underline{K} = 1, L 12.2$

25 200812 R U Cy.  
Vir 10.5th  
v2d

30 190967 U Dracon.  
 $\Sigma 1v$   
v2g

40 015912 S Antares  
est. 11.7 ~~18799~~  
116  
564

Tuesday, Sept. 18, 1906

Very hot in dome

201121 R TT Cap.

~~a~~ a" 5 r

r 3 b'

r red

745

50

213753 R U Cygn

r = d

r 3 e

8.5 do

55

213843 SS Cygn

est. 11.9

58

141954 S Bootis

est. 10.2

800

154539 R Comae

est. 11.4

162119 R U Herc

est. 9.9

10



Sept. 18, 1906

12 160150 R R Herc.

~~at~~ c 5 v

v 2 e

e 3 d

20 161138 M Cimmer

c 3 v

v 1 d

9.5 th

25 162807 S S Herc.

d 3 v

e no faint

30 163266 R Drac  
est 9.6

35 ~~165631~~  
~~170627~~ R ~~W~~ Herc.

No trace of var.

$\beta = \underline{\underline{u}}$

Sept. 18, 1906.

45 170627 RTT Herc.

d3v  
r1e

55 171401 z. oph.  
C3v, 1d

9 00 193311 RTT Aquilae  
h2v  
r1h

05 193509 RTT Aquilae  
B2v  
r1d

10 180531 TT Herc.  
est. 9.8

20 024217 TT Antares  
est. 9.6

30 Stars in Auriga too low  
L<sup>00</sup> 16 215  
1 117  
564



Monday, Sept. ~~24<sup>th</sup>~~ 1906

750 213843 S S Cygnus  
est. 11.8

800 230110 R Pegasus  
est. 7.3

05 001726 TT Audum  
est. 10.8

10 001755 TT Cass.  
est. 8.9

12 001838 R Audum  
est. 10.5

15 171723 RS Herc.  
est.  
11.2

20 175111 RTT Oph.  
est. 17

138

Sept 24, 1886.

8 30

Clouds in West.

8 40

Clouds all over

7	122	P.O.D.
—	117	
—	564	



Tuesday, Sept. 25, 1906

8 10

195654 v *Dracma*

d 4 v

v 1 f

f 1 e

15 174406 R. S. *Oph.*

h 2 v

v 2 h

20 183308 X *Oph.*  
est. 7.8

22 195849 Z *Cygni*

v = f

v 3 g

25 201008 R *Delphi*  
est. 10.0

25 U 001146 X *Androm*

v 2 v  
v 3 f

Sept. 25, 1906.

8 35

004047 W Cass.

est. 8.7

40

004435 V Audum

a 3 v

v = b

43

004533 RR Audum

a" 1 v

v 3 b

50

004958 W Cass.

v 3 c

b seems too bright.

Sequence is very incomplete  
as marked on chart.

55

200938 RS Cygn

est. 8.3



Sept. 25, 1906.

905

203847<sup>16</sup> U Cygni

est. 8.0 very red.

10

203847 V Cygni

est. 18.7

No color noticeable.

No more stars in core  
to observe.13  
11  
11235  
117  
56x5

2000

End of fiscal year

Ledgered Plotted &  
Posted throughout year

Monday, Oct. 8, 1906

8

221722 R T Aquarii

b 2 v  
v 5 c

phot. by ent.  
9<sup>th</sup>

805

182306 TT Serpente

a. 1. H

190108 R Aquilae  
est. 10.6

10

15

190967 H Draconis  
p 3 v  
v 2 η

10<sup>th</sup>

30

204405 TT Aquarii

est. 9.2

233815 R Cephei  
est. 10.6

31



Oct. 8, 1906

45

234716

Z Cygni

est. 9.8

9.00

231508 S. Pegasi

est. 9.0

05

235525 Z Pegasi

r barely seen

est. 12.7 th

#10

235350 R Cass

est. 9.4

22

201809 S Ceti

was not seen

9.5 th in L12

25

012502 R Piscini

est. 11.9

Oct. 8, 1906

021024 R. Crutcher

est. 12.4

seeing poor

Telescope has evidently  
 been used and circles gotten  
 out of order as it was very  
 hard to find objects especially  
 west of meridian

11	11
2	2



Thursday, Oct. 11, 1906

9 SV 195308 R S Cepheids

v = l

v 2 f

10.5 ~~th~~

SV 141954 S Bootis  
est. 9.8

142539 V Bootis  
est. 9.1

8

800 142584 R Camelopard  
est. 8.5

08

151731 S Comae  
est. 12.7

153378 S Ues Mus

10

b 3 v 1 a

b 4 a

color 4000  
Oschopp

Oct 11, 1966

20

154539 V Comae

est. 11.7

25

171401 Z Oph

C 3 v

v 2 d

30

183225 RZ Hec

C 3 v

v 3 d

Instans marked b on  
this chart.

40

191017 TT Sag

m 2 r

v 1 n

very ph

$$\begin{array}{r} 10 \\ - \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ 3 \\ \hline 1 \end{array}$$

L. O. P.



Friday, October 12, 1906

8 or 163266 R Draconis  
est. 8.5

01 170627 RTT Herc.

huv  
vik

12.5th fainter

10 191717 TT Sagittae  
est. 8.8 col. 5

20 201715a S Agnillae  
kuv  
vik colon 4

25 210224 V Cap.  
vcl  
vcl col. 5

Oct 12, 1906.

200822 W Cap.

L 2 N

30

35

284102 V Aprain

est. 8.4 col. 3

38

225140 S Aprain

est. 8.9

45

235715 W Ceti

a" 2 v

C 3

orthw comp Hais W Jan

est. = 7.1

50

235209 V Ceti

est. 9.7

011272 S Cass

est. 7.6



Oct. 12, 1906

90 021258 S Persei

est. 9.3

C = 6

05 023133 R Lraey

est. 6.1

Finder  
color 4

10 024217 TT Antis

est. 9.1

C = 5

20 ~~04~~ 024356 W Persei

est. 9.1

C = 6

25 213843 SS Cygni

022  
vif

30 213678 S Cephei

est. 8.3

C = 9

Oct 12, 1906

945

213753 RU Cygni

Q 2 v  
r 4 d $r = 6$ 

17	38
1	3
<hr/>	<hr/>
11	11

L.P.B.

Tuesday, October 23, 1906

8 30 001726 TT Androm  
est. 12.5

8 49 + 28° 54' hnd hnd friend van

✓  $\alpha 2v$   
 $v 3 \beta$

ST 001855 TT Cass  
est. 10.8

206 + 28° 34'

$\alpha 4v$   
 $v 2 \beta$

Clock time 11<sup>h</sup> 25<sup>m</sup>

20<sup>✓</sup> 213843 SS Cygni  
est. 9.4

Too many clouds for  
stars in Hercules



October 23, 1906.

001838 R. Audin

 $u + \frac{v}{2} \therefore < 12$ 25<sup>✓</sup>

001046 X Audin

 $\delta 3v$  $v 12$ 

9 30

+ 28° 54'

 $\alpha 5-v$  $v = \beta$ 

Certainly from my family  
but so high now that obs  
is difficult.

9 40<sup>✓</sup>

052034 S. Aunyan

est. 10.1

$$\begin{array}{r} \delta \\ 1 \\ \hline 1 \end{array}$$

46

4

12

L B B 2<sup>e</sup>

Wednesday, October 24, 1906  
 & clouds

8.03<sup>✓</sup> +28'54  
 232, 2β

S.T.T. 22<sup>h</sup> 30<sup>m</sup>

8.15<sup>✓</sup> 213843 SS Cygni  
 est. 8.6 seen from

20 Too cloudy to observe

2	48	LBB
—	4	
—	—	
—	12	

Friday, October 26, 1906  
(m)

8 01 ✓

004435 V Andromeda

b 4 r

r 2 l

c & d in faint

+28° 54

rest of photograph. ref.

d s a 4/4 ~~2 b~~

f 2 c 1 b 5 e = g 3 h 1 k

c 4 r

S.T. <sup>23</sup> 11<sup>05</sup> m

8 30 ✓

r 2 g

Telescope works so hard  
to-night

35 ✓

R R Androm. 004533

c 3 r

r 1 x

10.5



October 26, 1906.

840 ✓ 004958 W Cass.

$\Delta 1v, 3e$   $C=6$ .

041619 TT Lamm

85 ✓  
est. 10.9

50 ✓ 175654 V Deneb  
 $g.3n$   
 $=$

200 ✓ 195849 Z Cygni  
 $m^2v$   
 $v-4n$   $C=3$

10 ✓ 201647 U Cygni  
est. 8.3.

✓  
15 200938 R S Cygni  
est. 8.1

156

9 3 8 ✓

October 26, 1906

213843 S S Eym  
est. 8.7.

+ 48054

on meridian

40 ✓

230110 R Pegasi  
est. 8.3

Most of the stars in corner  
are too low east or west  
and some near noon

10	52
1	5
8	8
2	14

J 06



Tuesday, Nov. 6, 1906

Can not find book

830 ✓ 201008 R Delphin  
est. 8.3

3c

35 ✓ 201121 RTT Cap.  
v4 b'

7c

wh sound as S Cephei.

40 ✓ 202539 RR Cygni  
b4v, 1c

6c

45 ✓ 203611 J Delphin  
7.1v  
v2g 12.8th

48 ✓ 204104 W Aquarii  
d5v, 1c

v barely seen

9v ✓ 213843 JS Cygni  
est. 0.2v  
v1p



Nov. 6, 1906

905 ✓

264405 TTT Cygnus  
est. 7.8

18

✓

210868 TTT Cephei  
est. 9.3

18 ✓

190967 U Dra.

232

or 1 ju

12.5 ab

30

✓

163266 R Dra.  
est. 7.6

45

✓

153378 S Ues. Mus.

b 42, 0 a

photo. exp.

11  
—  
3

69  
5  
8  
17

Seeing poor  
800

Wednesday, Nov. 7, 1906

820<sup>✓</sup> 221722 RTT Aphan  
 @2v, 3 b phot. seq  
 8th? 3c?

21<sup>✓</sup> 141954 J Bortle  
 ev. 9.0

35<sup>✓</sup> 160150 RR Heise  
 @5v, 0 c 5c  
 21 cl 9th?

33<sup>✓</sup> 161138 W. Cor  
 @1v, 2 f

40<sup>✓</sup> 171723 RS Hen  
 b5, 1 c 4c

7.8th?



Nov 7, 1906.

50<sup>✓</sup>

175519 RY Huc.

 $\gamma$  1 v, 3 5 8.50th3<sup>c</sup>55<sup>✓</sup>

183308 Xoph

est. 8.1

5<sup>c</sup>9 v<sup>✓</sup>

185737 RTT Lyrae

 $\gamma$  1 N05<sup>✓</sup>

191637 U Lyrae

 $\beta$  2 v, 1  $\gamma$ 6<sup>c</sup>20<sup>✓</sup>

190925 S Lyrae

m 3 v, 0 u

Ident. difficult

12.15th



Nov 7, 1906

25 ✓ 213843 SS Cygni

025, 1 p.

28 ✓ 213678 Scaphus

est. 8.3

9c

30 ✓ 042209 R Lami

est. 10.4

042215 W Lami

30 h 20  
v k Y P B

13 22

1 6

1 9

7 24

Shunder, Nov. 8, 1906

8<sup>h</sup> 15<sup>m</sup>

+28°54'

g 3 r, 1 f

ade final photo.  
sep.

g =  $\alpha$ , f =  $\beta$  originally marked  
on vis. charts

20<sup>✓</sup>

190941 R K Lyrae

72<sup>✓</sup>

var. barely glimpsed.

22<sup>✓</sup>

191717 TT Sagittae

9.2

6<sup>c</sup>

28<sup>✓</sup>

192928 T Y Cygni

83 r, 0  $\Sigma$

32<sup>✓</sup>

193311 RT Aps

122 r, 10

12.5 rts very faint

Mar. 8, 1906

38✓ 193509 R Vay

P 20, 22

40✓ 200715a S Ay

L 20, 1 m

43✓ 200812 R H Ay

J 30, 12

50✓ ST Cygni - 202954

L<sup>4</sup> 30, 0 J

57✓ 204002 R Azman

8.3

6✓

90✓ 213843 S S Cygni

02.1 J



Nov. 8, 1906.

R Aquilae

Behind Churchill's telescope

9 10<sup>✓</sup> 024217 TT Arctis

9.3

6<sup>c</sup>

15<sup>✓</sup> ~~034356~~ W Persei

9.3

5<sup>c</sup>

✓ 050953 R Aurigae

20

8.6

\$ 6<sup>c</sup>

23<sup>✓</sup> 053068 S Cassiope

8.3

5<sup>c</sup>

✓

044617 V Lanius

25

12.5

Nov. 8 1906

30✓

053005 a TT Or.

11.3

neb. shring  
over star

40✓

052404

S Or.

10.3

✓ 045307 R Or.

15

10.4

054920 K Or.

47

10.7

20

102

—

6

—

9

6

30

200



Tuesday November 13, 1906

8 30 ✓

213843 SS Cygni

01v, 2p

8 5 ✓

213753 RR Cygni

a' 3v, 3b 6c

b2a

a' marked on chart

4 8

U. Aquarii  
Cloud over again

215934 RT Pegasus

4

50 ✓

Seems too poor

r = 5?

55 ✓

053326 RR Lami

94v  
to 2h

Nov. 13, 1906

9<sup>h</sup> ✓ 055353 Z Aurigae

735, 12

1.2 do?

01<sup>h</sup> ✓ 053531 U Aurigae  
11.2 ✓08<sup>h</sup> ✓ 103769 R Ues. Map.  
10.3 seeing poor.10<sup>h</sup> ✓ 123961 S Ues. Map.  
7.8

Seeing better for T Ues. Map.

A	110	2 00
1	6	
1	10	
1	31	



Wednesday Nov. 14, 1906

705 ✓

213843 SS Cygni

82, 1 p.

128° 54'

10<sup>th</sup> e 4<sup>th</sup> 19 (final photo. not)  
var. *hyalae* 'trans' at previous vis. of  
e quite red,

✓ 215717 U Aquarii

15 f 3 II

221321 X Aquarii

20 ✓ e 1<sup>st</sup> 3 f photoseq

225120 S Aquarii

✓ 25 est 10, 7

✓ 30 190108 R Aquilae  
est 88 6<sup>c</sup>

Mr. 14,1906

40<sup>✓</sup> 210124 V Cap.  
9.9

45<sup>✓</sup> 195849 Z Cygni  
104<sup>r</sup>, 1 p.  
~~est~~ p

50<sup>✓</sup> 221733 TT Lacertae  
div, 2c 3c

800<sup>✓</sup> 220412 TT Pegasi  
71, 2g

05<sup>✓</sup> 200938 R S Cygni  
7.9 8c

08<sup>✓</sup> 201647 U Cygni  
7.8 8c



June 14, 1906.

810<sup>✓</sup>

210729 T W Cygn  
k, n

22<sup>✓</sup>

222439 S Laculac  
12.5

25<sup>✓</sup>

223841 R Laculac  
10.0

30<sup>✓</sup>

225914 R W Peg  
v = a      photog. sep.  
v 5 b

40<sup>✓</sup>

032335 R Perseu  
12.9

45<sup>✓</sup>

041619 T Lamm  
~~11.2~~  
11.5

Nov. 14, 1906

92 065355 R Lyncis

7.5-

5-

17

127

L P P

2

8

---

10

5

36



172

Monday, Nov. 19, 1906

840 ✓ 231508 L Pegasus  
10.1

✓ 231425 W Pegasus  
~~8.1~~

$v = e'$

8.1 f

48 ✓ 230118 R Pegasus  
8.9

50 ✓ 233815 R Aquarii  
10.5

900 234716 Z Aquarii  
9.4

6 e

08 ✓ 235053 RR Cass  
02.1 f

11.5th

10 ✓ 213843 S Scygn  
7.20

Am not sure of my  
Herschel chart

Nov. 19, 1906

9 40<sup>v</sup> 235525 Z Pegasiv = 2  
to mth clearly seen  
12.8. to

9 45 — + 28054

~~9 45~~ a f 2v  
star clearly at min

48 001046 X Audum

y 2v, 3 z

10	137	LBB
—	2	
—	10	
—	36	



Friday, Nov. 23, 1906

705<sup>v</sup> 213843 SS Cygni.

~~01, 2f.~~  
11.9

710<sup>v</sup> +28°54  
g 3v, 2f photo. segs  
Probably at min.

20<sup>v</sup> 004435 V Androm  
d 5, 0 f  
e 3 d

25<sup>v</sup> 004533 RR Androm  
near Moon  
2 2 v  
f not seen

30 Can not find a comp. star  
a little fainter than RR

Mar. 23, 1906

73<sup>✓</sup> 013338 Y Audin  
e 4, 1 f

41<sup>✓</sup> 014958 X Cass.

d 5, 0 e

7 c

48<sup>✓</sup> 021558 S Perseus

9.5

3 c

800<sup>✓</sup> 065305 R Lynx

7.8

4 c

100<sup>✓</sup> 011208 S Perseus

11.5

15<sup>✓</sup> 011712 U Perseus

12.37

near moon & seeing very



820

Mar 23, 1906  
 012502 R. Presman  
 $t \approx \frac{N}{\dots} \approx 12.4$

10	147
1	9
1	11
3	39

LOB

Tuesday, Dec. 3, 1906<sup>4</sup>

5 36<sup>v</sup>

+28054

e 3. v. 2 g

photo. sep

40<sup>v</sup> 194604 X Aquilae  
e 5, 1 f

c = 6

45<sup>v</sup> 195308 R S Aquilae  
h 3, 1 k

12.8 db

23<sup>h m</sup> 05<sup>v</sup>  
35<sup>h m</sup>

+28054 - Auden

e 4, 1 g

6 10<sup>v</sup>

201008 R Delphi

9.2

hazy

Dec 4, 1906

15 ✓

204405 T. A. main  
 est. 8.6

18 ✓

203905 T. A. main  
 d. 1, 4 e

6 20 ✓

✓

213843 S. S. Cygn  
 8.9

6 25

+ 28° 54

e 3, 29

Seeing has become very  
 poor

200

9  
 —  
 —  
 1

156  
 9  
 11  
 40



Thursday, Dec. 6, 1906

8 15<sup>✓</sup>

+ 28° 54

very faint

$v = 7$   
 $v \approx h$

photo. sep.

Probably at minimum

✓ 213843 SS Cygni  
9.1

✓ 205923 R Vulpec  
8.8

✓ 213678 S Cephei  
A. 3

Q. R. & L

Only Hagar's chart at hand

30 ✓ 213753 R U Cygni  
 $v = 3$   $a = 6$

8 40 ✓

Dec. 6, 1906;  
024217 TT Aretis  
8.7

9 00 ✓

+28° 54.  
f2, 4h  
h wt near bright star

10 ✓

042209 R Lani  
11.8

20 ✓

044617 R Lani  
f2 N

25 ✓

054920 U Ori  
11.5

30 ✓

050953 R Aurigae  
9.4

Dec. 6, 1916

35 ✓ 053068 <sup>PS</sup> Camelopardalis  
9.142 ✓ 055353 Z. Aurigae  
λ 45, 1 θ

✓ + 28° 55'

v = g

v = 17

943 Maybe slightly brighter than  
at first comparison. Atmos-  
pheric conditions somewhat  
unsettled

50 ✓ 063558 S. Lynce's

v = e

v = d

200

14 - 120

1 - 10

1 - 12

1 - 41

e 2-3 d



Friday, Dec. 7, 1906

5.16

+ 28054

g 32, 1 f

1  
—  
—  
—

17" g 66

Tuesday, Dec. 11, 1906

530 +28°54  
van faint.

g 3 v, 1 f

1  
=  
1

17<sup>2</sup> L B B

Wednesday Dec 12, 1906

5-34<sup>v</sup> +28°54

e 3 v 19

var. little brighter than normal.  
very high over head

36<sup>v</sup> 215605 V Pegasi  
f 2 v, 4 h

40<sup>v</sup> 203611 γ Del -  
β 2 u

~~289000 - 289000~~  
2 174  
1 11  
- 12  
- 41

200



Tuesday, Dec 18, 1906

8 05 ✓ +28054  
at minimum

f12

✓ 213843 SS Cygni  
10 01, 2 p  
11.9

✓ 15 053531 U Aurigae  
12.3

✓ 20 053005 a TT Orion  
10.0

23 052404 S Orion  
11.6

very hard to focus with  
telescope to night

186.

Dec. 18, 1906.

845 ✓

070122 R Gen

9.6

50 ✓

070310 R Can Mus

m4, 10

900 ✓

071201 RR Mmm

m1 N

10 ✓

071713 V Gen

m1 N

L 12.4

15

072708 S Can Mus

8.4

+28054

925

g1 v. 1 f

Dec. 18, 1906

9 35

072811 TT Can Min

11.0

60

184

2

13

1

12

4

41

L.P.P.



Friday, January 4, 1907

7 30 ✓ +28° 54 - Andrs

f 3<sup>9</sup> ✓ h too faint  
var certainly at min

35 ✓ 213843 SS Cygn  
01, 2 p

45 ✓ 004435 ✓ Andrs  
Σ 1 N

50 ✓ 011208 S Pscum  
d 2 v, 1 e

sky hazy.

55 ✓ 011712 U Pscum  
est. 11.7

Jan. 4, 1907

8 W ✓ 03 4124 S Fornaci~~27h~~ $v = 9$  $v = 1h$ 8 10 ✓ 03 4625 U Eridani  
C 4 r, 1 dJ Eridani  
Too cloudy35 ✓ 04 3065 TT Camelopard.  
9.580 ✓ 04 3274 X Camelopard.  
 $\gamma$  r, 2  $\beta$  12th?9 W ✓ 04 5317 R Omini  
10.3



Jan. 4, 1907

9 15<sup>v</sup> 054920 U Orion

12.0

Difficult

20<sup>v</sup> 052034 S Aurigae

10.3

V more.

Clouds came before obs.  
Could be made.Several other stars tried for,  
but too cloudy.9 44<sup>v</sup> +28° 54'  
sky very poor.  
f 2746<sup>v</sup>061702  
8.9

V more

13	197
1	14
1	12
1	61



Saturday, Jan. 5, 1907

810 ✓

035124

TT Eridani

C 4, 2 d

hazy.

15 ✓

040725

W Lania Eridani

m 2 H

18 ✓

042215

W Lania

l 3 v, 2 n

(m uncertain)

very hazy

25 ✓

064707

W Monoc.

e' 5 v, 1 f

30 ✓

065111

Y Monoc.

a' 5 v, 1 x

10 th

33 ✓

065208

X Monoc

C 3 v 2 b

photo. sep.

C = 6

Jan. 5, 1957.

8 40 ✓

065355 R Lyncis

9.0

45 ✓

053326 R R Lami

e 3, 1 f

50 ✓

060450 X Aurigae

d 1, 2 e

9 00 ✓

063558 S Lyncis

e 2, 1 f

05 ✓

064030 X Gem

e 1, 3 f

10 ✓

011272 S Cass

9.1

Jan 5, 1957

920 ✓ 021558 S Persei  
9.0

25 ✓ 031401 X Cete  
h 2, 1 l

30 ✓ 032043 γ Persei  
β 1 v, 3 γ

35 ✓ 032335 R Persei  
1 2, 3 c = 7/16

45 ✓ 004958 W Cas  
β 3, 1

213  
15  
12  
42



Wednesday, Jan. 9, 1907

805 ✓

050022 17/17 Leporus

h<sub>1</sub>, 4k

10 ✓

063308 R Monoc.

not seen separate from  
mb, maybe too faint.

b<sub>1</sub> U

20 ✓

070109 V Can. Min.

p<sub>1</sub> U

25 ✓

081617 V Canceri

0.1v, 3 p

40 ✓

073508 U Can. Min.

9.5

50 ✓

083019 U Canceri

t<sub>2</sub> U

Jan. 9, 1907

905 ✓ 083350 X U. Mey.

75, 19

10 ✓ 141954 S Bootis

90.8

20 ✓ 082405 - RTT Hydrae

sequence very poor

a - b too large

a 5, 1 a'

a' selected sometime ago &  
marked on chart (a)

7c

30 V 213678 S Cephei

8.2

9c

35 V 213843 S S Cygni

8.1

75, 19

196

9 45

Jan 9, 1907  
 030514 M Arctis  
 8.9

Cold & windy.  
 Other stars in core are  
 too low.

9  
 3  
 12

222

12

12

12

L B B Complete up to  
 this point DGB



Monday, January 21, 1907

8 v 045514 R Leporis

✓ c' 2 v, 1 d

very red

c = 9

10 050953 R Aurigae

✓ 11.5

15 053068 S Camelopardalis

9.9

20 055353 Z Aurigae

✓ 23.15

10.5 th

25 061647 V Aurigae

✓ 10.8

25 070310 R Can. Min.

9.3

845

✓

Jan. 21, 1907.  
 072811 TT Can. Min.  
 10.5

900

✓

074323 TT Gem.  
 9.9

10

✓

085008 TT Hydrae  
 9.9

15

✓

085120 TT Cancer  
 9.5

25

✓

090425 W Cancer  
 712.29

35

✓

095421 V Lermis

10.7 L.P.P.  $\begin{matrix} 12 \\ = \\ 1 \\ 234 \\ 18 \\ 12 \\ 45 \end{matrix}$



Wednesday, January 30, 1907

8:05  $+28^{\circ}54'$   
501828 - Audum.

✓ L4V, 19

Very high.

R Fornace's  
Too low.

Dome is ice bound, can not  
more shutter.

Moon very bright so will fire  
it up first to night

8:45 shutter speed 0.65530 R S Gunn

- R1V, 15

Not sure of identity. This seems  
like the baby from my drawing  
on side of dome copy, but  
can not identify it from the  
enlargement  
Clock will not go, will fire up.

2	286
-	18
-	12
-	45



Thursday, Feb. 7, 1907

805

233 815. Alpami  
For low,

S Cygnus  
 northern light too strong, can not  
 separate the stars clearly  
 enough from d. to estimate

820

011008 S Piscin

✓ Seeing very hazy.

2  
 f 3, 29

est. 10.7

830

✓ 011272 S Cass.

10.2 ✓

840

✓ 014958X Cass.

d 3, 2e

yc

Feb. 7, 1907

8 45 021258 S Perseus

9.2

S S Cygni

Cloudy or hazy in region

411 Zayin

Too cloudy

9 10 Too cloudy to continue

H

240

—

18

—

12

—

45

L.P.P.



Friday, Feb 8, 1907

805 206357 S Cygnus

✓ 10.6  
difficult

810 030514 U Arctis

✓ 9.0

035724 J Eridani

15 ✓  $\alpha = b$  phot. ref.  
 $\alpha = 3c$

20 ✓ 040725 W Erid

not seen  
 $k = \frac{1}{2}$

25 ✓ 041619  $\pi$  Tauri  
11.1



Feb. 8, 1907

8 30 ✓ 044617 V Tauri

9.6

40  
\$ ✓ 065530 R S Gem

2' 30", 18"

11<sup>th</sup>

9 10 ✓ 001755 TT Cass

11.1

15 ✓ 085008 TT Hydrae

9.4

17 ✓ 081617 V Canceri

8.9

25 ✓ 095421 V Leonis pp.  
10 2 50  
1 19  
12  
4511.8  
Uncertain, sky very hazy

Tuesday, Feb. 12, 1907.

720 ✓ 213843 S S Cygni  
9.7

25 ✓ 022813 M Ceti  
11.8

30 ✓ 031401 X Ceti

$v = c$

$v = 2d$

Look up a & b.

38 ✓ 213678 S Cephei  
8.4  $c = 10$

40 ✓ 210382 X Cephei  
 $\eta 25, 1 \Sigma$  11th

Feb. 12, 1957

85 ✓ 213753 RN Cygni  
b 3, 2 e

50 ✓ 230759 V Cass  
b 4, 3 e

55 ✓ 231425 M Pegasus  
d 3, 1 e  $e = 5$

800 ✓ 233956 Z Cass.  
e 3, 3 d

05 ✓ 235053 RR Cass.  
e 1 K

10 ✓ 235525 Z Pegasus  
b 3, 4 e  
photo. sep



Feb. 12, 1907

20 ✓

032043

J Persei

(32, 1)

c = 6

30 ✓

032335 R Persei

9.2

855 ✓

095421 V Lermis

~~12.5~~

12.3

very hazy.

900 ✓

104814 W Lermis

p. 12

10 ✓

110506 S Lermis

10.5

15 ✓

115919 R Comae

not seen

&lt; 11.5

930 ✓ Feb. 12, 1907  
 12 25 32 111 Can Den  
 e 1, 3 f

35 ✓ 13 32 7 3111 Mrs. Min.  
 e 3, 2 a

40 ✓ 14 19 54 S Bootis  
 m 1 u

1425 84 R Can  
 Not seen. L 11

Can not get anything  
 with high power life piece  
 on account of frost.

16	266	LPP
5	24	
	12	
3	42	



Monday, Feb. 18, 1907

820 ✓

213843 SS Epsilon  
In line.

30 ✓

004435 Vaudron.

$\gamma_2 \underline{N}$

31 ✓

004958 W Cass.

$\delta_3 \nu, 2 \epsilon$

12.5th

40 ✓

045307 R Orionis

$r = g$

Am not sure of ident.  
as seeing is very hazy, but  
this certainly appears to be  
the variable.



Feb 18, 1907

850 ✓ 053531 U Aurigae

95 N  $\angle 12.5$ 

900 2 Lani

Can not find star from  
this chart

110 ✓ 044617 V Lani

9.3

10 054974 V Cam.

85 N  
very hazy

3	289	L P P
3	27	
	12	
	48	

210

Tuesday, March 5, 1907

8 15

✓

233956 2 Cass

C5V, 2 J

Sun through break in clouds

8 30

Too many clouds for observing

1

270

-

27

-

12

-

18

L.P.P.

Wed. Incl. 6, 1907

840

014958x Cass

03, 2e

c = 6

New variable (No. 2 A.J.C.)

850

1.25 + 4.5 4.5 (1H45)

Barely glimpsed  
& (see drawing for 1907)  
faintly seen but certainly 0.5  
fainter than L.

9 ✓

011272

S Cass

10.8

905

021258 S Perseus

9.5

10

032335 R Perseus

8.8



March, 1907.

15 ✓

041619 TT Lani

10.0

18 ✓

044617 V Lani

8.8

20 ✓

050000 V Or

d 50, 1 e

23 ✓

053068 S Cam

9.2

25 ✓

055353 Z Aurigae

24, 2  $\lambda$  $\lambda$  = emp to van

10	280	
=	2	L.P.P.
	12	
1	49	

Thursday, March 7, 1957

8 10 ✓ 001755 TT Cass.  
10.1  $c=7$

15 ✓ 004958 W Cass.  
11.15 12th

20 ✓ 024217 TT Antares  
8.8

30 ✓ 024356 W Persei  
9.2  $c=7$

35 ✓ 0314.01 X Ceti

~~11.1~~ b3v, 3c

photo. sep.

38 ✓ 045307 R Urt.  
11.1



Oct. 7, 1907.

8 40 045514 R Leporis

✓ b4, 2 c'

c = 8

45 050022  $\gamma$  Leporis

✓ k 3 v, 1 c

c is different on our photo-  
enlargement and the direct  
photograph pasted on other chart.  
I have assumed the latter to  
be correct.

8 50 ✓ 052034 S Aurigae

9, 3

✓ 9 50 053326 RR Linn

f 3, 1

g Lpp.

14	60	290
5	—	27
5	—	12
3	—	52



March 9, 1907

8 20 032043  $\gamma$  Persei  
 $\gamma$  25, 1  $\delta$   $c=3$

25 053531  $\kappa$  Aurigae  
 $\pm 1 \underline{\kappa}$   $\therefore < 12.8$

30 060450  $\times$  Aurigae  
 $\gamma 1 \underline{\kappa}$

Am not sure whether it is  $\kappa$  or  $\gamma$  Per, but I think it is  $\gamma$

35 060647  $\vee$  Aurigae  
 P. 3  $c=6$

40 061702  $\vee$  Monoc.  
 10.2

March 9, 1907

84 ✓

065208 x move,

c. 2 v, 4 b photometry  
sequence not good usually

50 ✓

07820 2 Puppies

v 2 e

~~also~~ ~~cl~~ to right

c = 7

53 ✓

13327 3 TT Urse Min

~~930~~

f 3, 0 g

90 ✓

213678 5 Aphu

8.4

Feb, 9, 1907

930

210382 X Cepheus.

$\delta$  1, 2  $\Sigma$

2  
2  
1  
2

298  
29  
12  
54

L.P.P.



218

Monday, March 18, 1907

053105 TT Orionis

11.0

Almost completely immersed in  
nebula. Difficult.

054920 U Orionis

8.6

C = 7

TT Androm

Too lost

Plautis

Too. Too much haze.

044619 TT Tauri

11.5

044617 V Tauri

8.9

064030 X Gem

d 20

e in faint

March 8, 1907

40

✓

070310 R Cancri  
8.4

82

✓

081112 R Cancri  
10.2

910

081617 R Cancri  
8.1

420

R Triang.  
Low Cloudy  
W. more,  
Low Cloudy L.P.

8	306
1	29
1	12
1	54













$\begin{array}{r} 38 \\ 53 \\ \hline 21 \end{array}$ 
 $\begin{array}{r} 87 \\ 53 \\ \hline 21 \end{array}$ 
 110 clock at 8 35 mean time  
 my watch 19<sup>h</sup> 47 at 8 10  
 21 3.1 at 9<sup>h</sup>  
 Set. 19<sup>h</sup> 25 at 8

7 45 20 13  
 15  
 Monday 8 lat 20.28

5 3 4 2 15



19 44 at 7 44  
 20 at 8

22<sup>h</sup> 31 at 5.25

8.15 at 12.24

Thunder  
25<sup>m</sup> at 8 10

8 00 at 14 12

9 00 " 13 12

19 40

7 36

8 27 at 18 20

Thunder

8 PM = 20 14

22<sup>h</sup> 49 32 + 10 23

19 06 at 8

8.40 at 28 14

0<sup>h</sup> 4<sup>m</sup> 1/2 at 8 20



1906phae.proj..787C