KG
11365
783

KG 11365.788

KG 11365.783

HARVARD
UNIVERSITY
LIBRARY
JUL 17 1956

Thursday, April 14, 1904

805 S Persei

v = l 11.33

11.40

v 4m 11.36 est = 11

R Persei

Sequence of Circ. 74 on Hagen

a 2 b

b - c interval too large to est.

certainly over 1 mag.

c 2 d Field rather low

d 3 e

e = g

e 3 f

g 2 f

~~f~~ f 4 h

h 1 k

April 14, 1904

R Persei

8 30 a 1 v
v 3 e est = 9

33 U Orionis

f 3 v 6.92
6.94
v 1 g 6.93 est = 7½

R Aurigae

35 d 2 v 7.92
7.96
v 2 e 7.94 est = 8

S Cephei

40 b 2 v 8.03
7.85
7.94 est = 8
v 3 c

50 T Cephei
v 3 d 6.38 Finder

April 14, 1904.

π' Virg

52 m 1 v 10.72

v 3 n 10.76

10.74 est = 10½

R Corvi

9 00 n 2 v 10.44

10.68

v 2 0 10.56 est = ~~9½~~ 10

U Virg

902 n 3 v 9.80

9.98

v 1 0 9.89 est = 10½

9 10 Y Virg

p 3 v 11.85

11.91

11.88 est = 12

v 0-1 9

S Virg.

13 var. thought to be seen,

u 1 v 12.44

April 14, 1904.

9 25 v Coronae

a 5 v
v = b   est = 7½

v quite red

30 Z Cygni

var. invis.

b seen
this is not circ 74

Notation? No = C's prov. notation.

40 R ~~T~~ Cygni

var. invis.

t seen

45 — Urs. Maj. v 8335 V

v = f
v 3 g   est = 10

April 14, 1904

W Cancri

var. invis.

photg. l seen

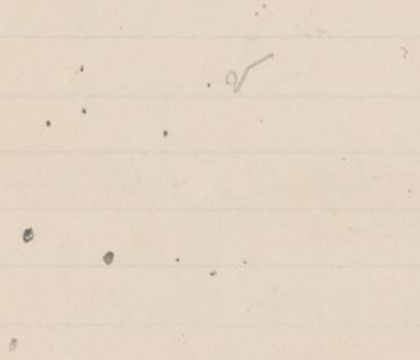
The star I have been observing this spring is not the var. It is a constant star very near var. These obs should be rejected as the var. has not been visible

(24) (1354)

1904phae.proj..784O

Saturday, April 16, 1904

8 00 49.1903 Orionis (Wolf's)



v = DM. -4° 1216

v 5 δ

est = 9½

05 T Orionis

v = f est = 9½

v 4-5 g

15 R Trianguli

l 4 v Circ. 74, notation

v 1 m est = 12?

very low

April 16, 1904

8 18 W Andromedae

β 1 v
v 5 K est = 8

Max. probably passed.

α 4 β
β 5 k
k 4 γ
γ 3 δ
δ 5 ξ
ξ 2 ε

It seems to me that ε has appeared brighter than ξ before time, and I think one of these stars is suspected of var. by Hagen

8 25

April 16, 1904.

R X Virg

f 3 v
v 2 f'   est ≡ 8 or brighter

R W Virg is too bright for good estimates with the telescope.

From a study of the photographic observations of these two stars, it appears to me that they are both irregular and have small range

April 16, 1904

8 31 X Monoc.

a 1 v
v 3 c est = 8½

35 V Can. Min.

No trace of the var.

o seen distinctly.

Sky very clear.

The max. of this star is due in Sept. or late Aug. so the ascending side of curve can not be obs. owing to proximity of sun.

RT Hydrae

38 a' 1 v
v 4-5 b est = 8

April 16, 1904

9 00 Z Bootis

Var. thought to be glimpsed once but very uncertain. It is certainly much fainter than m, which was seen quite distinctly

9 05 - Urs. Maj. 083350

f 3 v

v ≠ g..) (est = 10 ½

08 T Herculis

8.69
8.54
8.62

g 3 v
v 1-2 h est = 8 ½

35 T Canis Min

k 1 v
v 2 l est = 9

April
~~March~~ 16, 1904

tt 9 45 — U Can. Min
k 2 v ext-12½
No "l" on chart

55 RS Librae
var. not certainly seen
e seen

(21) (1375) L.N.P.

Thursday, April 21, 1904

7 25 T Orionis M
f 1 v 9.7
v 3 g 9.9
9.8 Seeing poor
Moon near &
sky bright

U Orionis
30
e 3 v 6.31
v 2 f 6.42
6.36 Finder

35 ~~40~~ R Aurigae
d ~~4~~ 5 v 8.22
v 1-1 e 8.11
8.16 est = 8'

38 R Gem.
var. invis near Moon
& seen

April 21, 1904

~~8~~ 7 50 S Can. Min.

g 3-4 v 9.14
9.17
v 1 h 9.16 est = 9 1/2

55 R Cancri

s 4 v 11.18
11.05
v 1 t 11.12 est = 12

8 05 V Cancri

f 2 v 8.43
8.46
v 2 g 8.44 est = 8 1/2

08 S Hydrae

n 3 v 11.34
11.42
v 10 11.38 est = 11

12 ✓ T Hydrae

9.95 l 3 v ~~9.95~~ m < n est = 10 1/2
9.71 ~~9.81~~
9.93 v 1 m ~~9.74~~
9.86 v 2 m

April 21, 1904.

8 25 S Urs. Min.

d 8 v est = 10½

v = e

v quite red

photog. sep.

40 — Urs. Maj. 083350.

g 3 v photog. sep.

v 3 k est = 11

Seeing poor in spring

Sky bright and stars faint

Estimate rather uncertain

50 R Bootis

c 4 v 7.30 Finder

d ff chart

April 21, 1904

853 S Urs. Maj

f 1 v $\frac{8.60}{8.63}$

v 2 g $\underline{\underline{8.62}}$ est = 8

855 T Urs. Maj.

n 3 v $\frac{11.56}{11.63}$ est = 10½

v 1 0 $\underline{\underline{11.60}}$

900 RT Virg.

b 3 v est = 8

v 2 e Does this star vary?

910 RS Virg

m 5 v

v = n

n is the faintest photog. comp. stars and some fainter ones should be selected.

April 21, 1904.

U Virg.

920 u 3 v
v 1 D $\frac{\begin{matrix}9.80\\9.98\end{matrix}}{9.89}$ est = 10

25 RT Cygni

d 1 v est = 8½
v 4 e

vis. not in pencil chart ⓑ

32 R Draconis
l 3 v $\frac{\begin{matrix}10.10\\10.16\end{matrix}}{10.13}$ est = 9½
v 2 m

36 R Camelop
f 4 v
$\frac{\begin{matrix}10.72\\10.70\end{matrix}}{10.71}$ v 1 g est = 10

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April 21, 1904

R U Librae

var. not seen certainly,
thought to be glimpsed,
certainly fainter than "h" (photog)
which was seen steadily

(3A) (1413) L. P. P.

Friday, April 22, 1904

M

7 45 T Can. Min.

h 2 v
v 3 k $\frac{9.6 \quad 9.3}{9.45}$ very near moon.
obs uncertain

R Virg.

50 $\underline{10.79}$ g 2 v est = 11½
There is no fainter comp star

T Virg

8 00 n 4 v
v 1 0 $\frac{11.46 \quad 11.32}{11.39}$ est = 12
seeing rather poor

8 03 R Can. Ven.
h 1 v
v 2 k $\frac{9.03 \quad 8.93}{8.98}$ est = 9

1904phae.proj..784O

April 22, 1904.

8 25 δ Cor. Bor.

v 3 g 7.52 est = 8

30 U Herculis

0 3 v 9.26
9.19
~~v v~~ v 1 p 9.22 est = 9 ½

9 00 S Cephei

b 1 v 7.93
7.95
v 2 e 7.94

9 03 S Aurigae

v = g 9.10
9.05
9.08 est = 9 ½

v 2-3 h

√

April 22, 1904

9 15 U Aurigae

c 1 v $\frac{8.8}{8.6}$
v 2 d $\underline{\underline{8.7}}$ est = 8

S Camelop

25 c' 3 v
v 1-2 c $\underline{\underline{8.0}}$ est = 8

Int. bet. b & c is rather large & I inserted c' and marked it on Hagen

(18) (14 31) L. S. P.

Monday, April 25, 1904

M

8 30 U Aurigae

v = c

v 2 d

8.7
8.6
8.65

est = 8

32 S Aurigae

g 0-1 v

v 3 h

~~10.35~~
~~10.40~~
~~10.38~~

9.15
9.00
9.08

36 S Camelop

c' 3 v

9.0

est = 8

v 1 c

50 – Urs. Maj. 683350

var. not seen

g seen

Some clouds

April 25, 1904

9 00 S Urs. Min.

e 1 v

v 3-4 f est = 10

05 S Urs. ~~Min~~ Maj

f 2 v 8.70
8.73
8.72

v 1 g est = 8

.07 T Urs. Majoris

m 2 v 10.95 est = 11
11.16
11.06

v 1 n

18 T Herculis

c 4 v 7.57
7.52
7.54

v 3 l

e 5 d

(14) (1445)
L. P. P.

1904phae.proj..784O

Monday, May 2, 1904

7 25 U Orionis

e 2 v $\frac{\begin{matrix}6.21\\6.32\end{matrix}}{6.26}$

v 3 f est = 7

Sky very bright.

35 X Monoc

a 1 v

v 3 e photog. seq.

40 RT Hydrae

a 2 v

v 2 a' est = 8

U Aurigae

50 b 3 v $\frac{\begin{matrix}8.7\\8.7\end{matrix}}{8.7}$ est = 8

53 v 0-1 c

S Aurigae $\frac{\begin{matrix}9.1\\9.0\end{matrix}}{9.05}$

v = g est = 9

v 3 h

May 2, 1904.

8 10 S Can Min

h 3 v
v 1 k
9.57
9.56
9.56
est = 10

8 15 U Persei

m 4 v
v = 0
10.8
10.8
10.8
est = 12
Obs. difficult

m is double
star low & faint

8 18 T Cass.

9.76 k 4 v
9.76 v 0-1 l
9.76
est = 11
low & difficult

May 2, 1904.

8 23 S Persei

k 3 v 10.98

v 1 l 11.23

11.10 est = 12

S Camelop

25

c 1 v 9.2

v 3 d 9.1

9.15 est = 8 1/2

28 R Aurigae

e 3 v 8.46

v 3-4 f 8.47

8.46 est = 8 1/2

30 R Cancri

s 3 v 11.08

v 2 t 10.95

11.02 est = 12

40 U Puppis

var. invis. 11.4

or seen

May 2, 1904.

8·50 U Can. Min.
f 2 v
v = g
10.9
11.2
11.05
est = 10

55 T Can. Min.
k 1 v
v 3 l
9.7
9.6
9.65
est = 90

v Cancri
9·00 g 1 v
v 2 h
8.76
8.65
8.7~~4~~0
est = 9

9·05 T Hydrae
n 1 v
v 3 o
10.13
10.31
10.22
est = 11

9·15 S Hydrae
o 3 v
v 2 p
11.82
11.64
11.73
est = 10.2
Star bet. o & v not seen

May 2, 1904.

R Leonis min.

9 20 t 4 v 12.43
v 1 u 12.29
12.36 est = 12

25 R Urs. Maj.

v = s 12.02
v 3 t 12.23
12.12 est = 12½

45 Z Bootis
v = ~~m~~ e est = 12½
k to bright.

Var. seen steadily for the first time, I ~~think~~.

Elements I deduced from a few phot. obs. give May 17 as date of max.

1904phae.proj..784O

May 27, 1904.

9 50 R S Cygni

m 2 v $\frac{9.25}{\frac{9.28}{9.26}}$

v 1 n est = 10 1/2

var. still very red.

10 00 R Comae

var. not

t seen

10 5 V Cygni

n 3 v $\frac{10.75}{\frac{10.78}{10.76}}$

v 1 o est = 10 1/2

Look up Hagen

15 S S Cygni

Too low

Can prob. identify

Moon up now & makes

L.P.P. sky brighter (43) (.1488)

Tuesday May 3, 1904

7 30 R Persei

Twilight too strong.

45 R Bootis

7.20

c 3 v est = 7

d off chart

50 T Cephei

est = 6 1/2

6.38

v 3 d

8 00 S Cephei

b 1 v est = 7 1/2

v 2 c

7.93
7.95
7.94

05 R Persei

Too low

May 3, 1904.

8 08 π' Virg.

p 1 v

v 2 q

11.91
11.92
11.92 est = 12

15 R Corv.

0 4 v

v 1 p

11.28
11.14
11.21 est = 11 1/2

Seeing unsteady to-night

25 Y Virg.

q 3 N

28 S Urs. Maj.

v = 7

v 324 q

8.50
8.48
8.49 est = 8

May 3, 1904

8 30 T Urs. Maj.

h 1 v — 9.27 / 9.55
v 3 k — 9.41 est = ~~10~~ 9½

33 R Virg.

g 1-2 v — 10.36 / 10.74 est = 10½

U Virg.

35 m 1 v — 9.41 / 9.30 est = 10
v 2 n — 9.36

55 { V Virg.
v invis
g seen

9 00 S Virg.
t 4 v — 11.92 / 11.94 / 11.93
v 1 u est = 12½

May 3, 1904.

9 03 R Cancri

h 3 v   9.23
v 1 k   9.03
9.13   est = 8/7

10 RT Virg

b 5 v
v = d   photog. eq.
v 1 c   est = 8/2

13 RS Virg
S

m 4 n
v.   .n   n 3 o
o

n 3 v   est =
v = o

n is faint but photog. comp. slln
I selected o

1904phae.proj..784O

May 3, 1904.

920 S Urs. Min.

d 4 v

v = e   est = 10½

R Camelop.

22 d 2 v   9.70
9.77
9.74   est = 9

v 0-1 e

30 R Draconis

n 3 v   10.86

~~v 1 + 0~~   10.97   est = 11
10.92

v = 0

35 V Coronae

b 3 v

v 2 c ?   'v
.b

· — This may be c
but it seems too faint

'c'

May 3, 1904.

9 45 RS Librae

a 4 c
c 5 b
b - d rather large
b 4 b'
b' 4 d
b' 3 v
v 2 d est = 9
Low.

55 U Serpentis

g 1 v est = 9
v 2 h photog. rep

(36) (1524)

Wednesday May 4, 1904

8 w – Urs.-Maj.- 083350

b 3 v
v 1 l est = .12

a 5 b
b – c too large

c & d are in cluster and not
good comp. stars.

e 5 f ~~e1~~
f 5 g e 1 f'
~~g~~ f' 4 f

Sky too unsteady for faint stars

May 4, 1904.

8 15 S Coronae

l 1 v
v 3 k

8.24
8.17
8.20

est = 8½

S Serpentis

20 t 3 v 12.36 est = 13
s not seen

U Herculis

30 ~~9.26~~
~~9.29~~
~~9.28~~

0 3 v
v = p
v 4 q

9.26
9.29
9.36
9.30

est = 9½

40 W Herculis

12.32
12.32
12.32

p 3 v
v 1 q

est = 12½

May 4, 1904

√45 T. Herculis

k c 5 v   7.67   est = 8
v 3 e   7.52
7.60

48 U Cygni

d 4 v   7.40   est = 8 1/2
7.67
v 1 e   7.54

9 50 RT. Cygni

d 0-1 v   est = 8 ~~1/2~~
v 4 e

05 S Cygni
var. very
o glimpsed
n steadily seen

May 4, 1904.

9 15 S Librae

e 3 v
v 1 f

8.48
8.34
8.41

est = 8
Low

30 Z Ophiuchi

var invis
g & h seen

40 Z Cygni

m 3 v
v 0-1 n

10.0
10.0
10.0

est = 10

R Oph.
Too low.

9 50 SS Cygni
Too low

L. P.

(20) (5-44)

Friday, May 6, 1904

8 00 R Sextantis

d 3 v
v 1 c . photog. seq.

a - d int. large, about
8 grades or more.

d: 3 b
b 1 c

8 20 074305 - Can. Min.

a 3 v
v 1-2 b
I have never found any
var. in this star so far
as memory goes

May 6, 1904.

8 37 (W Cancri)
var. nbrs
k seen (plenty)

Z Bootis

~~a 3 f~~
~~b = c~~
~~c 2 d~~

a 3 d
d 1 b
b ~~1~~ 1-2 c
c 6 e
e 3 g
g = f
g 3 h
h 2 k
k – l int. vert.
large – l is
very faint to-night

May 6, 1904

8 50) Z Bootis
Seeing not very good
v 4 l
l barely seen

R Bootis
9 00
c 4 v
v ~~2~~ 3 e

$$\begin{array}{r}7.30\\7.58\\\hline 7.44\end{array}$$

est = 8

U Serpentis Photog. sq.

b 2 a	g 4 h
a 5 c	h 5 k
c 5 d	k 4 l
d 3 e	l 1 n
e 4 g	n 3 v

g 2 f? f is too near a.

May 6, 1904.

9 15 U Serpentis
e 4 v
v = g
v 3 h est = 8½

20 R Camelop

9.50
9.62
9.56

v = d
v 2 e [illegible] est = 8½

30 S Urs. Min.
e 3 v
v 2 f est = 10½

45 X Cygni
Too low

L.C.P.

Seeing very poor near horizon to-night

(13) (155)

Saturday May 7, 1904

9 05 Z Bootis

k 4 v est = 11
v 2 l

Star does not seem to brighten very much and probably is never very bright at max.

10 U Virg

h 3 v 9 28
9.20
9.24 est = 9
v = k

15 RT Cygni

c 4 v est = 7½
v 1 d

May 7, 1904.

9 30 χ Cygni

ε > v $\frac{11.85}{}$ est = 13

stars on limit of vis.

9 40 S Serpentis

Clouds over region

RS Cygni

45 m < v $\begin{array}{l}9.25\\9.28\\\hline 9.26\end{array}$ est = 9½

v | n

(9) (1566) LPP.

Wednesday, May 11, 1904.

7.30-8. Tried for several stars but sky too cloudy.

8 10 All cloudy

Thursday, May 12, 1904

7 50 U Orionis

6.11
6.22 u 1 v
6.16 v 4 f est = 7

x Monoc
too low

8 00 RT Hydrae

a 5 v
v 1 a' est = 8

03 R Aurigae

v = f 8.82
v 4 g 8.88
8.85 est = 9

08 S Can. Min.

k 0-1 v 9.71
v 3 l 9.72
9.72 est = 9 1/2

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May 12, 1904.

8 08 S Aurigae
g 1 v 9.2
v 2 h 9.1
9.15 est = 9

12 T Can. Min.
~~h~~
g 2 v 9.5
v 1 h 9.3
9.4 est = 9

25 U Can. Min.
g 1 v 10.8 est = 10 1/2?
h not seen

30 U Aurigae
b 2 v 8.6
v 1 c 8.6
8.6 est = 8 1/2

May 12, 1904.

840 S Camelop

c 0-1 v
9.1
9.1
9.1
v 3 d est = 9

45 Z Bootis

k 0-1 v
v 5 l est = 11

var. surely brightening

48 R Cancri

s 2 v
10.98
10.95
10.96
v 2 t est = 12

50 V Cancri

h 2 v
9.05
8.83
8.94
v = k est = 9

May 12, 1904.

9 10 083350 — Miss May.

a 6 b

b 5 c (c is in cluster)

b 5 e

e ✱ 3 f'

f' 2 f

f 4 g

g 3 h

h 3 k

var. min

k seen

15 δ Hydrae

0 3 v

v 1 p 11.82

11.74

11.78 est = 12

May 12, 1904

9 25 U Serpentis

c 3 v
v 1 f est = 8

30 S Librae

f 2 v 8.64
v 1 f 8.53 est = 8½
8.58
var.

33 RS Cygni

8.78 k 2 v
8.65
8.72 v 1-2 l est = 8½
var. bufalis

45 T Camelop

9.7 c 2 v
9.6
9.65 v 1 f est = ~~8½~~ 9

Notation
Circ. No. 74.

May 12, 1904

AO 03 S S Cygni

Var. not seen

star bet g & v, α in old notation seen.

(33) (1599) L. P.

Friday, May 1~~4~~3, 1904

7 55 T Persei
Too low. Sky bright.

8 05 T Hydrae
p 2 v
v 1-2 q 11.05 11.05 11.05 est = 11½

0.8 R Leonis Min.
~~v = w~~
u 1 v 12.49 12.58 12.54 est = 12½
v 2 w

8 15 R Leonis
v = m 7.23 7.07 7.15 est = 7½ or 8
v 4 n
v very red & difficult

May 13, 1904.

U Puppis
too low now.

8 35 W Leonis

m 3 v est = 12
v = n

Circ 74 notation

40 R Corvi

p 2 v 11.44
11.39
11.42 est = 11 1/2
v { 39

low.

q seen by fits & starts

45 R Comae
var. not seen distinctly
thought once to be glimpsed
& seen easily.

May 13, 1904.

8 50 Clouds in south

9–9.15 Clouds

~~8~~ 925 R Urs. Maj.

g 3 v 11.32 / 11.38 / 11.35

v 1 r est = 11½

.28 R Virg.

~~n 3~~

o 3 v ~~9.19~~ 10.19 / 10.16 / 10.18 est = 10½

v 0–1 p

35 U Virg

g 1 v 8.82 / 8.78 / 8.80 est = 9½

v 2 h

May 13, 1904

9 37 S Coronae

h 2 v $\quad 8.34$

$\qquad\quad 8.17$

v 3 h $\quad \underline{\underline{8.26}}$ est = 8 1/2

9 46 Clouds forming again

(18) (16.7) L.P.V.

1904phae.proj..784O

Monday, May 16, 1904

7 55 U Orionis

e 4 v
v 1 f

$\frac{6.41 \quad 6.52}{6.46}$ est = 6½

8 10 S Urs. Maj

d 3 v
v 1 e

$\frac{7.82 \quad 7.76}{7.79}$ est = 8

8 12 T Urs. Maj

e 2 v
v 2 f

$\frac{8.20 \quad 8.14}{8.17}$ est = 8½

R Cam
clouds —

May 16, 1904

8 20 V Urs. Maj.

d 2 v

v 4 c Graff's notation

est = 9.8

Am not sure that the sky is very reliable. Floating clouds.

8 28 R Can. Venat.

8 3 v 8.96
8.91
8.83
8.90 est = 8 1/2

v 0-1 h

v 3 k High

35 Z Bootis

h 4 v

v = k est = 10 1/2?

Seeing poor

May 16, 1904.

U Serpentis

8 40 e 1 v

v 3 f est = 8½

b 3 a Photog. seq.

a – e too large

c 4 d

d 4 e

e 3-4 f

f = g f is near bright star

g 5 h

h 4 5 k

k 4 l

l 3 n

n 1 m

May 16, 1904.

T Virg

9 00 g 1 v

v 2 r

12.22
12.20
12.21

est = 12 1/2

08 RT Virg

b 3 v

v 1 c

est = 8 1/2

15 RS Virg

~~n~~ o 2 v

v 2 ~~b~~ p

est = 11 1/2

See drawing on chart.

Stars o & p selected since n is the faintest on the photog. chart

May 16, 1904.

9 18 RS Librae

C 3 v   photog. seq

v 0-1 b   est = 8

torr

25 S Serpentis

g 3 v   12.05
11.96
12.00

v 1 e   est = 12

28 R Cygni

d 2 v   vis seq

v 2-3 e   (b)

est = 8

30 S Urs. Min

e 2 v

v 2 f   est = 10

May 16, 1904.

9 40 V Cygni

v = d

10.88
10.98
10.93

v 3 p est = 10½

42 RS Cygni

b 2 v

9.00
8.95
8.98

v 1 m est = 9½

45 SS Cygni

var. not seen

d (old notation seen)

S Virg

55

11.72
11.89
11.80

t 2 v

v 1-2 u est. 11½

(35) (1652) L. P. P.

Friday May 20, 1904

8–9 Clouds

9 00 U Serpentis

d 5 v

v 1 e est = 8

Sky clear in region.

Z Bootis

Light clouds over region

RS Librae

9 10 ~~d~~c 4 v

v 0-1 b

Clouds near. Obs. not very reliable

1904phae.proj..784O

May 20, 1904

9 15 U Herculis

p 2 v   9.49

v 1 q   9.66

9.58   est = 9

18 T Herculis

f 1 v   8.20   est = 8

v 3 g   8.09

8.14   Doubtful, Clouds near

9 45 Z Bootis

Var. seen but sky too hazy and cloudy to make estimates

(8) (1660) L.P.

Monday, May 23, 1904

7.30 Cloudy M

8.15 U Orionis

Cloud over region but I think stars might be seen in a clear sky although very low.

8.50 U Cygni

e 3 v

v 2 f

8.08
8.16
8.12

est = 8½

Clouds near.

T Cephei

v = d

v 4 e

6.68
6.72
6.70

est = 7½

May 23, 1904.

9 05 RS Cygni

k 3 v 8.88

8.75

8.82

v 0-1 l est = 9 1/2

very red

10 U Serpentis

d 0-1 v est = 8

v 4 e

25 RS Librae Low, hazy.

c 2 v

v 2-3 b est = 8

photog. seq

Too cloudy to continue

9.35 RS Ophiuchi L. P. P.

var. not seen

e barely seen (10)(670)

Tuesday, May 24, 1904

M

7.30–8.30 Clouds

9,00 RT Cygni

v = e

v 4 f   est = 8½

⑥ vis. notation

U Serpentis

9 10

d o-iv   est = 8

v 4 e

Visitors

9 45 Z Cygni

v = k   9.3

9.0

v 5 l   9.15   est = 8½

May 24, 1904.

9 50 SS Cygni

var. invis.

g seen and stars of at least 1/2 mag. fainter. Can not find chart of g h star. Field low & hazy.

10 02 Z Oph.

var. invis.

g seen

03 RS Oph.

var. invis.

e seen

Sky too hazy & bright for faint stars. L.P.

(6) (1676)

1904phae.proj..784O

Friday, May 27, 1904

M

V Cancri

8 15 l 3 v ~~9.57~~ 9.44
v 1-1 m 9.39
9.42 ext = 9

8 32 Z Bootis
v = l
v 5 g

Seeing very poor, near moon & hazy but var. is decidedly brighter

33 U Serpentis
d 1 v
v 4-5 e ext = 8

R S Librae
Too near moon. Can not identify

May 27, 1904.

9 01 S Coronae
k 2 v 8.67
v 1 l 8.67
8.67 est = 8 1/2

9 05 V Coronae
a 4 v 7.9
v = b 8.0
8.0 est = 7 1/2

var. very red.

9 15 W Leonis
Do not see var.
Will look again after Mr. Colson
observes an occultation

9 27 W Leonis
var. not seen
l seen. Sky bright

May 27, 1904

9 30 S Urs. Min.

e 4 v
v 1 f est = 10.½

35 R Camelop.

c 0-1 v 9.12
v 4 d 9.10
9.11 est = 9

40 RT Cygni

v = e
v 4 f est = 8.½

9 55 SS Cygni

11.77 v = b
p not seen
Low & hazy.

(17) (1$\overset{6}{7}$93) L.P.

Tuesday, May 31, 1904

8 00 Clouds

8 30 Breaking away

8 40 R S Librae

v = c

v 5 b   est = 8

8 45 Z Bootis

b 3 v

v 3 e   photog. eq. est = 9

55 U Serpentis

v = d   est = 7.8

v 4-5 e

v quite red and hard to compare. also very near a bright star.

May 31, 1904

8 55 W Cancri
Cloud over region

SS Cygni

9 08 b 2 v 8.52
v 1 c 8.40
8.46 est = 8

Clouds forming rapidly

915 all cloudy

940 Sky too cloudy for obs.

(A) (1701)

Friday, June 3, 1904

Very poor night, hazy & cloudy,

8 10 W Serpentis

c 3 v
v 1 d   est = 7.8

R S Librae & Z Bootis
tried for, but it is too cloudy.

8 40 R Urs. Maj.
g 5 v   8.21 / 8.18 / 8.20   est = 8½
v = h

42 S Urs. Maj.
d 2 v   7.72 / 7.56 / 7.64   est = 8
v 3 e

June 3, 1904

8 44 T Urs. Maj.

v = e
v 4 f 800
8.74
7.97 est = 8½

50 R Comae
s 1 v 12.26 est = 12½
t not seen

T Camelop.
too hazy,

907 R T Virg.
c 3 v est = 9
v 2 c'

This var. is fainter than ever seen if I remember correctly.

June 3, 1904

9 10 R Virg
k 4 v
v 1 l

8.98
8.85
8.92

est = 9½

R S Librae

9 15 c′ 2 v est = 8
v 2 c

a is too near c in byaltheir

U Virginis

20 e 1 v
v 2 f

8.25
8.26
8.26

est = 9

35 S S Cygni

(17) (1710)

L.P.

all clouds in n. east and every where else

Thursday June 9, 1904

8 10 Suspected Nova in Hercules
16 8.8 + 26 12 (1855)
Not seen. Field carefully
identified DM Stars a + b seen
but nothing in position of Nova.
Probably fainter than 10 if
visible. Sky cloudy and
clouds fast approaching
again, but region was seen
clearly for a few minutes.

8.40 Sky still cloudy, with
occasional breaks.
Searched again for the suspected
~~Nova~~ but could not see it.
I swept over the field and
looked for any object not
on my copy of DM. Do not
see any suspicious object.
RU Herculis not seen.

9 07 Still cloudy. Made several
attempts to observe but can
not see anything clearly except

June 9, 1904.

9 20 Z Bootis

a 2 v
v 1 b   est = 9

Seeing poor but stars seen quite clearly after waiting some time. Obs. probably fair

28

U Serpentis

c 3 v   est = 8
v 2 d

Obs. rather uncertain clouds near.

RS Librae
Cloud over region.

SS Cygni
all cloudy

June 9, 1904

9 35 U Herculis

g 1 v 9.86
v 3 r 10.06
9.96 est = 10½

40 T Herculis

l 3 v 9.45
9.39 est = 9½ 10
v 0-1 m 9.42

45 R Urs. Majoris

g 2 v 7.91
v 2 h 7.98
7.94 est = 8½

47 S ~~T~~ Urs. Maj

d 3 v 7.82
7.66 est = 8
v 2 e 7.74

49 T Urs. Maj

e 2 v 8.20
8.04 est = 8½
v 3 f 8.12

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June 9, 1908

10 00 SS Cygni

h 3 v 10.28 est = 10½
v = k 10.43

10.36

10 RS Cygni

l 4 v 9.20
9.00
v v-1 m 9.10 est = 9½

15 U Cygni

d 2 v 7.30
7.57
v 2 l 7.44 est = 8½

S Cygni

20 g 5 v 10.76 est = 9½
v = h 10.66
10.78
v 3 k 10.73

23 V Cygni

n 4 v 1085
1088
v = 0 10.86

June 9, 1904.

10.25 R S Librae
v = c'
v 5 c   est = 7.8
var. still brightening

35 R T Virg
c 2 v
v 3 c'   est = 8½

45 Z Oph.
m 2 v
not sure of m on chart

Suspected nova

a 1 nova?   est = 12

~~12~~
.a.
:nova?

L. P.

(31) (749)

Friday June 10, 1904

8 20 Sky nearly all covered by clouds

Clear in region

8 30 S Comae

n 1 v   9.48
9.38
9.43   est = 10
v 3 o

V Cancri
In cloud

9 40 R Leonis min.

v = u   12.39

Seeing poor Stars only
seen by fits + starts

45 U Virginis

8.356
e 2 v   8.26
8.30
v 2 f   est = 9~~2~~

June 10, 1904.

8 50 R Virg.
h 4 v
v 1 k
8.60
8.53
8.56
est = 9

53 R Comae
p 1 v
v 3 q
10.97
11.08
11.02
est = 11 1/2

9 00 S Virginis
p 4 v
v 2 q
10.39
10.32
10.36
est = 11

Clouds over Virg.

9 15 S Librae
e 3 v
v 2 f
8.48
8.24
8.36
est = 8 1/2

20 S Serpentis
q 1 v
v 2 r
11.85
11.86
11.86
est = 11

June 10, 1904

930 S Herculis

o 3 v $\frac{\begin{array}{r}10.36\\10.42\end{array}}{10.39}$
v 1 f est = 9

40 RT Cygni

e 5 v
v = f est = 9

my vis. notation

950 RS Ophiuchi

h 3 v
v 1 k est = 10½

S Urs Min
all cloudy at north

1000 R Ophiuchi

p 3 v $\frac{\begin{array}{r}10.99\\11.22\end{array}}{11.10}$ est = 10½
v 0-1 q

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June 10, 1904.

1002 SS Cygni
Cloudy.

R Cancri
Cloudy.

R Sagittarii
1015 var, miss
u seen.
var. & u are so close
~~that~~ I can not tell which
is seen. Assume it to be
u since < t
t 2 u Low.

S Sag.
1025 var not surely seen, may
be glimpsed but hardly
~~think~~ it is the right star
m barely seen

June 10, 1904

1030 ST Sag.

l 1--2 v est = 10

Am not sure of ident.

S

·v ?

c·

~~est~~ =

n

1045 SS Cygni

m 1 v 11.42 / 11.47 / 11.44 est = 11 1/2

v 3 n

v Delphini

50 var invis

f & d easily seen

June 10, 1904

10 55 R Delphini

k 3 v 9.81

v = l 9.81

9.81 est = 10

R Vulpec

10.09

9.90

11 10 m 3 v 10.00

v 1–2 n

est = 10½

(30) (1779) L.P.P.

Saturday, June 11, 1904

8 40 S Camelop.

a 3 v 9.7
v 1 e 9.7
9.7

est = 9 1/2

Twilight a little strong

T Camelop
Can not identify ft. stars.
Var. prob. < j

R Aurigae, S & R Cancri
all too low

W Cancri
9 00 var. not seen
g seen

June ~~10~~ 11, 1904

~~8~~ 9 05 V Leonis,
var. invis
h seen

10. T Virg.
var. not seen
o seen

Can not see faint stars
to-night in this part of sky

Z Bootis
9 15 a 3 v
v 0-1 b est = 9

9 20 S Urs. Min.
e 3 v
v 1 f est = 10½

June 11, 1904

9 30 RS Librae

v 1 c'

cannot find a good compa-
star a little brighter than
c' est = 7.6

32 U Serpentis

c 4 v
v 1-2 d est = 7.5

45 R Canum

v = ~~d~~ f
v 4 g

8.46
8.25
8.35 est = 8

50 R Bootis

k 4 v
v 0-1 l

9.36
9.19
9.28 est = 9

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June 11, 1904

9 55 Z Cygni

c 2 v
v 1 f

8.9
8.8
8.85 est = 8

10 00 R Camelop

b 3 v
v 1 c

8.75
8.92
8.84 est = 8

T Cephei

05 7.22 est = 7

c 1 v

f too faint to compare

S Cephei

10 c 2 v
v 3 d

8.35
8.38
8.36 est = 8 1/2

June 11, 1904

~~9 5~~
10 20 S Lacertae
b 3 v
v 1 c. $\frac{\begin{matrix}8.3\\8.0\end{matrix}}{8.15}$ est = 8

1030 R Cass
n 3 v $\frac{\begin{matrix}9.70\\9.78\end{matrix}}{9.74}$
v 1 - 2 0 est = 10
Low.

1100 R S Aquilae
g $\overset{.5}{4}$ v
v = g photog. ref
est = 10 1/2

(26) (1805) L. P. P.

Tuesday, June 14, 1904

8 30 V Coronae

Circ. 74

~~v = b~~

a 4 v
v = b

$\frac{7.9}{\underline{8.0}}$
$\underline{\underline{7.95}}$

est = 7 1/2

8 35 U Serpentis

c 3 v
v 2 d

est = 7.8

45 RS Librae

c'' 5 v
v 2 c'

est = 9.8

c'' = DM.

This star is rather bright but I can not find any other better star nearby

June 14, 1904.

9 08 R Aurigae

h 1 v 9.82
v 3 k 9.96
9.89 est = ~~10~~ 9 1/2

Low & difficult

r Aurigae
too low

9 15 W Leonis
var. invis.
b seen Circ. 74

S Leonis

9 25 a 1 v 9.7
v 2 e 9.7
9.7 est = 9

Field very happy

Isolation Circ. 74

June 14, 1904.

9 35 R Corvi
var. not seen
0 seen

44 R Scorpii
var. invis.
Z seen

9 45 R 11 S Scorpii
var. invis.
Z seen

9 48 R R Librae
d 2 v 9.2
v 3 e 9.2
9.2
Mt. a Circ. 74
ext = 8 1/2

55 R Cancri
e 4 v 8.53
v 1 f 8.36
8.44
ext = 8

June 14, 1904.

10 05 Z Bootis Photog. not.

a 2 v

v 1 b est = 9

10 15 RS Vir.

0 5 v

make drawing of the comp. stars for this star.

10 20 RS Oph. Photog. not.

g 1 v est = 18

v 3 h

—

R Cass.

22 n 1 v

v 2 0

$$\begin{array}{r} 9.50 \\ 9.73 \\ \hline 9.62 \\ \hline \end{array}$$

est = 18

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June 14, 1904

1030 S Cygni

f 5 v 10.47 / 10.56 / 10.52

v 1 h est = 9½

33 Y Cass:

var. invis

l seen

V Pegasi

Behind East Dome.

S Lacertae

1045 Circ. 74.

8.1 / 7.9 / 8.0 a 2 v

v 1 b est = 8

(25) (1830) L.M.

Wednesday, June 15, 1904

8 31 RR Virg.
Var. not seen
f not seen, region may be cloudy
h barely seen.
Circ. no. 74.

9 00 T Librae
f 1 v
v B^3 g
est = 11 ?
low & difficult

ST Sag.
Seeing too poor for low
stars to-night

9 20 X Cygni
n 1 v
v 0-1 0
10.85
10.83
10.84
est = 10 1/2

June 15, 1904.

9 30 RT Cygni (b)

g 3 v
v 1 h est = 10

h assumed to be
star bet. var. & b, can
not find chart of ft. stars

9.32 RS Librae

c'' 2 v est = 7.5
v 4 c' hazy.

9 35 Z Bootis

a 3 v est = 9.
v 1 b

4 V R Serpentis est = 7½
c 4 v
v 0-1 d

June 15, 1904.

9 55 Tried for several Hagen stars in Libra but they are low and I can not see the faint stars well enough to be sure of the ident. Telescope moves too easily, the weights must have been changed. It is hard to keep anything in the field.

(12) (1842) L.P.P.

Friday, June 17, 1904

8 30 S Herculis

m 4 v 9.79
9.54
v 1 n 9.66 est = 9

35 U Serpentis.

C 2 v
v 3 d est = 7½

45 R S Librae

c'' 5 v
v 1 c' est = 7.8

9 00 R Comae

n 3 v 10.30
10.47
10.38 est = 10
v 10

V Librae 74
var. invis
but e seen, also faint
star about 4' south of h

June 17, 1904

9 30 Z Virg.
var. invis > 4-II
* f seen

9 40 Z Bootis
a 2 v
v 1 b est = 9

9 55 T Delphini
var. invis.
n seen Cua > 4
L.P.
(10) (1852)

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Wednesday, Sept. 21, 1904

WM

7 10 Clouds over sky.

7 35 T Androm

s 1 n 11.9

40 U Serpentis

b 3 n

45 Clouds —

8 20 X Aquilae 194604

b 2 n

S Urs. Min

30 a 4 v

v = a' est = 9

Windy & cold

Clouds

Sept. 21, 1904

8 55 R Pegasi

g 3 v 8.33

v 2 h 8.25

8.29

est = 8

near moon

9 15 S Pegasi

r 1 v 11.43

s n. s.

Uncertain as sky is very poor.

Clouds too thick to continue.

(5) (1857) L. P. P.

Thursday, Sept. 22, 1904

M

7 00 Z Bootis
Low and sky too bright
to make ident.

05 R Can Ven
n 2 v $\frac{9.97}{10.07}$ $\underline{\underline{10.02}}$
v 1 0 est = 10

10 S Coronae
q 3 v $\underline{\underline{12.13}}$ est = 11½
t n. t

20 S Serpentis
g 1 v $\frac{9.12}{9.02}$ $\underline{\underline{9.07}}$ est = 9
v 3 h

R Sagittarii
q 2 v $\frac{8.33}{8.19}$ $\underline{\underline{8.26}}$ est = 8½
v 2 h

Sept. 22, 1904

7 35 S Sagittarii

var invis

s seen

40 RV Sag. photog

e 4 v

v = f est = 9 1/2

45

RX Sag. photog

c 5 v

v 1 d est = 8 1/2

55. ST Sag. photog

e 3 v

v 2 g f on chart < g

est = 10 1/2

Sept. 22, 1904.

8 0 R Oph.

b 4 v 7.28
v 1 c 7.14
7.21 est = 7½

Near moon.

05 Z Oph.

a 1 v photog.
v 2 c est = 8½

18 R Herculis

v = f 8.63
v 4 g 8.43
8.53 est = 8

20 U Herculis

t 1 n 11.7

25 W Herculis

10.86 m 2 v est = 10
11.06 v 1 n
10.96

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Sept. 22, 1904.

8 30 S Herculis

f 3 v 7.90 / 7.89 / 7.90 est = 8

v 2 g

45 RS Aquilae

var. invis.

h seen

48 R Delphini

m 2 v 10.34 / 10.46 / 10.40 est = 10

v 3 n

9 05 W Aquarii

var. invis

d seen

15 V Delphini

var. invis

e seen

Sept. 22, 1904.

9 30 S Urs. Maj.

m 3 N 11.0

(25) (1882) L. P. P.

Wednesday, Sept. 27, 1904

7 25 T Cass.

g 3 v
v 0-1 h
v 4 k

est = 10/2

This is nearly max. brightness of this star. Few times I have seen.

7 40 V Pegasi

M

l 5 v
v = l'

roughly marked m chart
est = 1/2

7 50 Seeing poor in region

X Aquarii
var. invis.
f seen

Sept. 27, 1904.

8 00 S Lacertae

Phot e 2 v

v 1 H

8 03 T Cass

g 5 v 9.06

v 0 h 8.98

9.02 est = 9

8 20 R Androm,

var. invis 11.7

u. seen

22 S Ceti

k 0-1 v 9.39

9.47

v 4 l 9.43 est = 9

30 S Cass.

var. invis. 11.6

p seen

1904phae.proj..784O

Sept. 27, 1924

8 35 R Piscium

l 3 v 9.55 est = 9½
v 1 m 9.27 very near moon
9.41

45 S Persei

h 4 v 10.32 10.58 10.45 est = 10½
v 1 k

9 00 S ~~Per~~ Bootis

f 0-1 v 9.72 9.78 9.75 est = 9
v 4 g

9 05 R Camelop

g 3 v 11.10 11.12 11.1~~8~~1 est = 9½
v 1 h

10 T Herculis

f v v 8.20 7.99 8.10 est = 8½
v 4 g

Sept. 27, 1904.

9 20 X Cygni

u 3 v
v 1 w

9.31
9.18
9.24

est = 9 1/2

Clouds forming rapidly.

9 30 Clear

R S Cygni

c 2 v
v 3 d

7.45
7.21
7.33

est = 7 1/2

35 U Cygni

e 4 v
v 1 f

8.17
8.26
8.22

est = 8

38 SS Cygni

o 2 v
v 1 p

11.97
12.04
12.00

est = 12

40 Clouds over sky.

(29) (1911) L. P. P.

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Wednesday, Sept. 28, 1904

Leavitt's new Algol -15°4905

a.f. C's watch

6 57 v = ζ $\underline{\underline{8.5}}$
v 3 η est = 1.0

Pretty nebula near,

58 R Bootis

n 2 v 10.29
v 2 l 10.28
$\underline{\underline{10.28}}$ est = 10½

7 04 R S. Oph.

e 3 v photog. seq
v 1 h est = 10

12

V Cygni

s, v $\underline{12.63}$ est = 13
t not seen
Sky very clear

20 R Vulpec

~~e 3~~ e 1 v 8.17
v 3 f 8.17
$\underline{\underline{8.17}}$ est = 8

Sept. 28, 1904.

7 23 −15° 4905

ζ 2 v 2.0
v 2 η

7 30 S Lacertae

s 1 v ~~10.4~~ 10.6 corr 7.4
v 4 u est = 12½

t is < u ?

40 X Aquilae
no trace of the var.

04 N

Sky very clear.

45 T Cephei
k 4 v 9.38
v 1 l 9.08
9.2 est = 9

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Sept. 28, 1904,

7 50 δ Cephei

g $\overset{5}{4}$ v $\frac{\frac{10.34}{10.17}}{10.26}$

v 0-1 h est = 10

Est. difficult, var. still very red.

7 59 −15° 4905

v = 3

~~g~~ 0.2

v 3-4 η

8 05 T Aquarii

m 2 v $\frac{\frac{9.10}{8.26}}{9.03}$

v 1 n est = 9

Moon up & cloudy tow. South east

8 25 −15° 4905

ξ 1 v 1.0 Seeing poor

v 3 η

Sept. 28, 1904.

8 40 R. Arietis m

var. not seen

o seen. 11.2

Sky very bright with moon light

8 47 −15° 4905

* ζ 1–2 v 1.0 hazy.

v 3 η

Clouds forming.

9 12 −15° 4905

Sky very hazy, object low.

approx. v = ζ. 0.0

9 15 R Draconis

h 2 v 9.26 est = 9

v 1–2 k 9.26

9.26

Sept. 28, 1904,

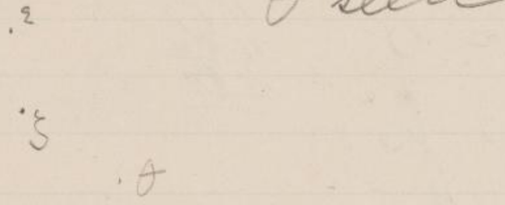
S Aquarii

Too cloudy

9 35 W Andromedae

var. invis.

θ seen



ξ 1 ε

(2.8) (939) L. P. P.

Friday, Sept. 30, 1904

7 05 S Serpentis

g 4 v 9.42
v 0-1 h 9.27
9.34 est = 9

10 SS Cygni

✓ v = 0 11.77
v 3 p 11.84
11.80 est = 12

12 R Ursae Maj.

✓ ~~f~~ q 1 v 11.12
v 3 r 11.18
11.15 est = 11

18 ✓ S Urs. Maj.

v = q 12.54
est = 12 1/2
r not seen
p seems to be too bright to use

Sept. 30, 1904.

73✓ TT Urs. Maj.

✓ 03v 12.03
v1f 11.99
12.01 est = 11½

40✓ Z Oph. phtog.
✓ b4v est = 8½
v1c

48 RS Oph.
✓ h0-1v phtog.
v4k est = 11

55✓ ST Sag
✓ d2v est = 9
v1e
var. brightening

Sept. 30, 1904.

8.00 Leavitt's Algol

v = g

v 4 η

03 S Bootis

✓ e 4-5 v 9.57
9.62
9.60
v 0-1 f est = 9½

R Oph.

8.10 c 1 v 7.34
7.21
7.28
✓ v 2 d est = 7½

15 R Herc

✓ e 2 v 8.55
8.53
8.54 est = 8½
v 1 f

17 W Herc

✓ h 3 v 9.79
9.69
9.74 est = ~~9½~~ 10
v 1 k

Sept. 30, 1904

8 20 S Herc

✓ f 3 v 7.90 / 7.89 / 7.90 est = 7½
v 2 g

23 R Delphini

✓ m 3 v 10.44 / 10.71 / 10.58 est = 11
v 0-1 n

30 R Drac

✓ h 1 v 9.16 / 9.20 / 9.18 est = 9
v 2 k

35 R Camelop

✓ g 4 v 11.20 / 11.17 / 11.18 est = 10
v 0-1 h

40 X Cygni

✓ u 2 v 9.21 / 9.18 / 9.20 est = 9
v 1 w

Sept. 30, 1904

8 50 Z Cass

✓ h 1 v

v 2 k   est = 10½

8 55 . S Aquarii

✓ 4 2 n 12.7

8 59 S Pegasi

✓ ε 2 v

v 1 s 11.53 11.64 11.58   est = 11½

9 03 T Cass

✓ h 1 v 9.08 9.06 9.07

v 3 k   est = 10

very red

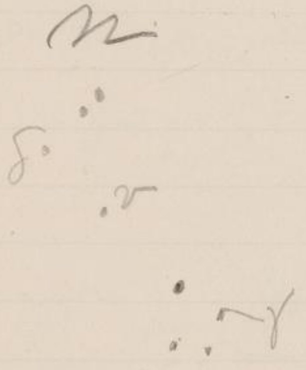
15 X Androm

✓ γ 4 v   est = 8½

v 1 δ

Sept. 31, 1904.

X Androm



S Persei

9 20 ✓ v = k $\frac{10.68 \quad 10.93}{10.80}$ est = 11

v 4 l

23 R Aquarii

✓ p 1 v $\frac{10.64 \quad 10.61}{10.62}$ est = 10½

v 2 q

28 Z Aquarii

✓ g 1 v g & h = same comp.

v 3 h stars as ~~f~~ in seq.

R Aquarii

est = 8

Sept. 30, 1904.

9 30 R Ceti

✓ l 1 v 9.85
9.97
r 2-3 m 9.91 est = 10½

9 33 ~~S~~ T Cephei

✓ m 0-1 v 9.70
9.80
v 3 n 9.75 est = 9½

35 S Cephei

✓ g 3 v 10.14
10.12
v 1 h 10.13 est = 9½

45 R Lyncis

✓ d 3 v ~~8.~~ 8.32
8.40
v 2 e 8.36 est = 8½

50 U Ceti

✓ p 2 v 10.74
10.95
v 1 q 10.84 est = 10½

Sept. 30, 1904.

9 55 — X Ceti — Photog. est = 8½
✓ b 4 v
v 1 c — Moon up.

R & S Tauri
Behind East Dome. Will not be visible for ½ hour or more

(61) (2000) L.P.P.

Saturday, Oct. 1, 1904

7 02 U Bootis

Cloud formed over again

05 Floating clouds over all the sky.

Serpentis
7 20 R ~~Ophiuchi~~ Circ. 74.

α 1 v ✓ 8.6
v 5-6 e 8.2
8.4 est = 8

Int. α-e very large

25 U Bootis ✓

α 1 v 9.6
v 3 e est = 8½

Clouds near

Oct. 1, 1904

7 30 R Aquilae

q 1 v ✓

v 2 r est = ~~11 1/2~~

37 12

W Capricorni

b 2 R ✓

40 S Delphini

Cloud over region

Floating clouds everywhere

8 07 S Delphini

~~a 5 v~~ ✓ ~~est = 11 1/2~~

~~v 1 b~~

b 1 v C.^{3} est = 8

v 6 c

1904phae.proj..784O

Oct. 1, 1904

815 U Capricorni

k 4 n < 11.0

21 Z Cygni

t 3 v

est = 13 ✓

30 U Aquarii ✓

d 1 v 10.4 est = 10

v 3 e

38 W Pegasi

c 1 v 9.0

v 1 d est = 8

Oct. 1, 1904

8
50 v Ceti Low.
h 3 v $\underline{10.8}$ ✓ est = 10½?
v 1 k

55 S Piscium
d 2 v $\underline{9.4}$ ✓ est = 8½
v 1 e

9 00 U Piscium ✓
l, n. $\underline{11.7}$

* Meteor passed through telescope bet comp. stars c + l. towards b,

02 o Ceti ✓ est = 9
ε 1 v $\underline{9.29}$

Oct. 1, 1904.

9 05 S Camelop.
b 1 v
v 4 e 8.8 est = 8

25 V Aurigae
f 2 v
v 2 g 10.0 est = 9 7

35 U Aurigae
m 1 v
v 3 n 10.5 est = 10

50 083350
Too low.

(24) (24) Ests. L.P.P.
(16) (16) Vars.
(3) (3) N.S.

Tuesday, Oct. 4, 1904

Leavitt's Algol

7.00 −15°4985 −

- 7.20 Est. of photog. seq.

a 4 b

b 4 d

b 3-4 c

c 0-1 d d 1-2 f

d 2-3 e

e 2 h

g not seen with low power.

8 h 5 g

Visual seq.

a

b

d

e

h

a 3-4 v

v 1 b

1904phae.proj..784O

Oct. 4, 1904.

7 25 R Can. ven.

θ 3 v
v 1 p 10.47 / 10.34 / 10.40 est = 10 1/2
low

38 U Serpentis
var. invis.
m & n seen
~~m~~

S & T Oph.
Too low.

45 S Coronae
s 3 v 12.71 est = 12 1/2

154539 V Coronae Cuc. 74
l 1 v 11.5
v 3 m

Oct. 4, 1904

142539
V Bootis

8 00 Circ 74.II

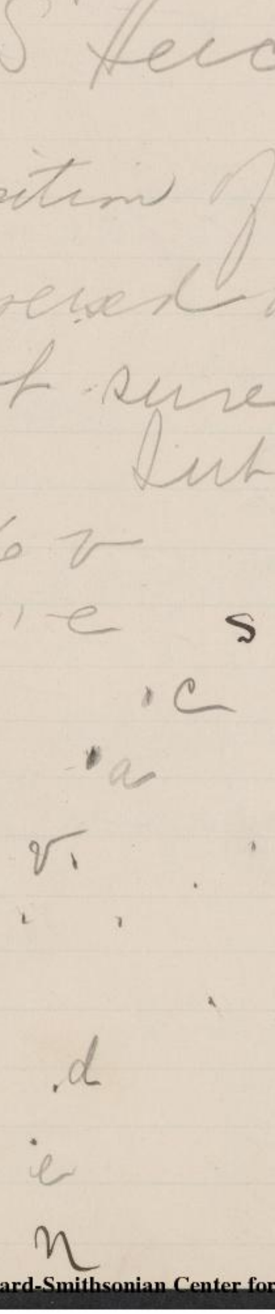
f 3 v
v 1 g 9.3 est = 9½

15 S S Herc. 162807

Position of d & e apparently reversed on chart - so am not sure of ident.
but d-e too large

d 6 v
v 1 e

Campbell's Ma



est = 9½ or 10

very rough drawing

I find from several photographs that there is either an error in Dec of star "e" (DM. +7°3200) or it is var. There is no star in position of that star, but one in about same R.A. about 4' north is assumed to be +7°3200. This was called "e". Oct. 6 '04

Oct. 4, 1904.

X Draconis

Can not identify var. from chart as no stars are near the position. Make drawing from a photograph.

8 40 060450 X Aurigae C's not.

b 0-1 v

v 4 c est=8

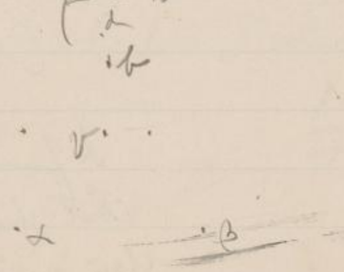
9 00 063558 S Lyncis

Var. inv.

Stars of 12.5 may. seen

9 15 052036 W Aurigae

β 5 v C's no later



1904phae.proj..784O

Oct. 4, 1904.

9 30 052034 δ Aurigae

p 1 v

v 2 q est = 12

Cur. 74.

35 W Ceti 235715

est = 8½

v 1 c

b is too bright to
estimate interval

~~b e 7~~ C's not-

b 7 c

37

T Cass

8.96 h

g 4 v 8.88 v est = 8½

v 1 h 8.92

Oct. 4, 1904.

9 50 235855 Y Cas

v = 9
v 3 k
est = 10½
Photog. not

10 00. 015254 U Persei

est = 8
a 2 v
v 2 b
old vis. not.

Notation of Circ. 74 not good. Var. much brighter than b on chart and am not sure of a

(13) (29) Vars L.P.
(2) (5) N.S.

Wednesday, Oct. 5, 1904

705 R + U Bootis
Too cloudy in west for low stars to-night.

Z Oph.
712 b 3 v
v 1 c est = 7½ ~~8 or brighter~~

R Oph.
15 a 4 v 7.81
v 1 e 7.50
7.66 est = 8

20 Leavitt's Algol -15° 4905
a 4 v photog. not.
v 2 b

Oct. 5, 1904.

7 23 V, S. T' Oph. tried for, but it is too cloudy toward the west.

30 S T' Sag.

c 2 v est = 9½
v 0-1 d
v 3 e

R Sagittarii

33 d 3 v 7.65 est = 7½
v 4-5 f 7.47
7.56
e off chart

S Sag.

35 var. invis.
d seen

Oct. 5, 1904

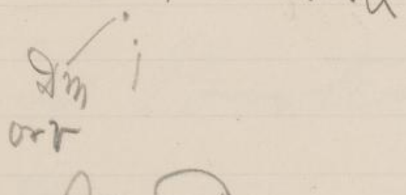
Z Sag.

Cloud formed before region could be ident.

~~#~~ X Draconis 180666

var. probably minus

45 Two Stars seen near position but ~~it is~~ they are probably the D M star and fainter one north



7 55 W Draconis

α 1 v

v ξ β est = 10

C's notan

Cloudy. obs. uncertain

Ident certain

Oct. 5, 1904.

8 03 Almost impossible to get any obs. as clouds are all over the sky and shifting continually

8 15 All cloudy

(6) (35) L.P.
(2) (7)

Thursday, Oct. 6, 1904

6 55 Williams Nova or Var.

f 0-1 v
v 2 g

Mrs. Flemings sq.
est = 10 1/2
quite red - resembles
some of the long period var's
in color.

7 00 R Bootis
l 3 v   9.54
v 1 m   9.58
9.56
√ est = 8 1/2

15 U Bootis
d 2 v
v 1-2 e   9.8 √ est = 8
low

Oct. 6, 1904

7.31 V Oph 162112

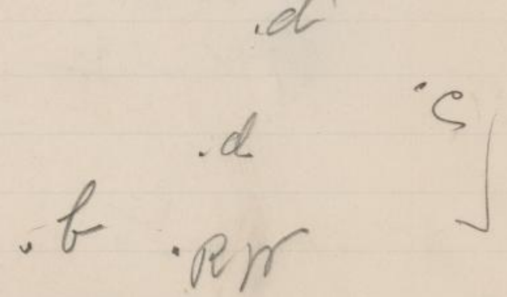
var. very bright. None of Mr. Campbell's seq. is bright enough to see. Stars selected and marked on chart (b)

α 4 v
v 1 β est = 7 or brighter
Forr.

40 S & T Oph
Too low!

RW Sag. photog.

~~α~~ d 1 v
v 4 ~~d~~ d'
est = 10 1/2



Oct. 6, 1904

7 45 RX Sag. photog: sq

~~P~~ e 2 v ✓ ext = 9 1/2

v 3 d e~~f~~ 4-5-d

48 Z Sag. 191321

c 4 v ~~24~~ ✓

v 1 d 74-II

ext = 9

8 05 X Aquilae

var. invis ✓

p t o seen

08 S Herc

f ~~2~~ 3 v ✓ 7.90 ext = 7

v 2 g 7.89

7.90

1904phae.proj..784O

Oct. 6, 1904.

~~7~~ 815 X Capricorni 210221

f 2 v ✓ 74 #

v 1-2 g est = 9½

20 RT Cap. 201121

v 2 b′ finder est = 6½

vars very red, something like S Cephei

30 S Delphini 203816

✓ b 3 v 8.6 est = 8

v 2 e

74

35 S Cass

s 0-1 v 12.66

v 4 t 12.55 12.60 est = 13

very clear

Oct. 6, 1904.

8 55 S Piscium 011208

d 3 v 9.5 9.5 9.5 ✓ est = 8

v 1 e 1 74-II

9 00 X Aquarii 221321

k 1 v ✓ est = 12½

v 3-4 l

photog. seq.

X Andromedae 001046

9 04 γ 4 v ✓ est = 8½

v 0-1 δ

17 T Camelop. 043065

m 2 v ✓ est = 12

v = n ~~est~~ Aic. 74

1904phae.proj..784O

Oct. 6, 1904.

922 X Ceti 031401

b5v ✓ est=8

v1c

photog. sq.

935 W Aurigae 052036

✓

γ2v est=12½

v4δ

Not quite sure of ident. To be looked up on phot.

See chart for comp. stars

940 083350 – Urs. Maj.

corrt ✓ est=10½

δ4v

faint comp. stars not clearly seen

photog. sq.

1904phae.proj..784O

Oct. 6, 1904

955 W Aquarii 204104

v 2 e photog. l too bright

est = 13

This var. never gets very bright ~~and~~ so far as I have seen and should probably be obs. with larger lens.

1000 SS Cygni

0 3 v 12.07 / 12.04 / 12.06 ✓

v 1 p

05 S Ceti ✓

l 1 v 9.97 / 9.94 / 9.96 est = 9½

v 2.3 m L.P.P. (27) (57) (1) (8)

Friday, Oct. 7, 1904

7 05 T¹ Oph. 162815
Seagrave
var. not seen
k seen ✓

7 20 R Lacertae 223841 ✓

0 1 v est = 12½
v 2 p Circ 74

23 S Serpentis
k 3 v 9.98 est = 8½
9.98
v 1 l 9.98 ✓

30 R Serpentis 154615
d 3 v 8.6 est = 8
v 3 e ✓ Circ. 74

1904phae.proj..784O

Oct. 7, 1904

7 45 RS Oph. ✓ 174406

r = h

r 3 e photg. sq.

48 ST Sag. 185512

b 1 r ✓ photg. sq.

r 1 a

Can't find T Drac. What is the matter with the chart?

8 00 R Cygni ✓

t 1 v 11.88 / 11.80 / 11.84 est = 12

v 3 u

10

212814 T Cap. ✓ est = 9'

g 2 r [illegible]

r 1 h

74 – II

1904phae.proj..784O

Oct. 7, 1904

8 30 200822 W Cap. ✓
var. invis.
m seen
n glimpsed 74-II

33 211615 T Cap. ✓

n, $\underline{\underline{R}}$ 74 — II

35 r Delphini ✓
No trace of var.
j + k seen, and
l is 1 mag. or so fainter

Oct 7, 1904

T Cass 235855

8.45 h, i v ✓ photog rej.

v 1 g est = 10½

R Piscium ✓

47 n, i v 9.92 / 10.05 / 9.98 est = 10

v 2 - 3 o

49 R Arietis

r 2 v 12.52 / 12.57 / 12.54 est = 13 ✓

v 3 s

52 W Androm.

No trace of var. Sky very ✓

clear and stars of 13 mag.

probably seen

Oct. 7, 1904.

8 58 R Persei 032335

k 1 v ✓ est = 11

v 2 k

Circ 74

S Pegasi

9 00 q 2 v 11.21 est = 11½ ✓

v 3 r 11.03

11.12

05 R Aquarii ✓

p 3 v 10.84 est = 10½

v 1 q 10.71

10.78

Z Aquarii 234716 ✓

07 g 2 v 8.55 notation of

v 3 h 8.36 R Aquarii

8.44

est = 8

Oct. 7, 1904.

9 25 R Vulpec

g 2 v 8.97 est = 8½ ✓
v 1 h 9.02
9.00

3.0 V Ceti

v = k ✓ est = 10½
v 2 l

hazy.

45 U Cygni

f 1 v 8.46 est = 8 ✓
v 1 g 8.42
8.44

Oct. 7, 1904

9/8 53 RT Cygni

v = b 7.7 ✓ notation 74
v 3 a

b 3-4 a

b = e A.J.C's
a = f obs. notation
est = 7.8

55 T Aquarii

p 2 v 9.97 / 9.96 / 9.96 est = 10 ✓
v 2 q

10 W R Delphini ✓

n 0-1 v 10.81 / 10.69 / 10.75 est = 11½
v 3 0

Oct. 7, 1904

R S Aquilae 195308

1610 No trace of the var. ✓

l & m seen after long watching. These stars appear to be on the limit of ~~vis~~ vis. with this tel.

Photog notes

(20) (77) L P

(6) (14)

Friday, Oct. 14, 1904

7 00 Clouds all over sky.

T Draconis

8 10 b 2 v
v 1 k est = 10½

Circ 74

b 2-3 k

8 25 T Cass. 235855 photog

d 1 v est = 10
v 3 g

red & difficult

204102 V aquarii

30 d 3 v est = 8½ 74-II
v 1 e
red

Oct. 14, 1904

35 TT Cass

g 3 v
v 1 h

8.86
8.88
8.87

est = 8½

45 Clouds forming again
all over sky.
Z Cass tried for but
clouds came before field
was identified.
Wind also very high.

55 R Draconis

g 2 v
v 3 h

8.76
8.76
8.26

est = 8

L. P. P.

9 05 All cloudy again

(5) (82) (–)(14)

Saturday, Oct. 15, 1904

M

7 30 ST Sagittarii 185512

photog.

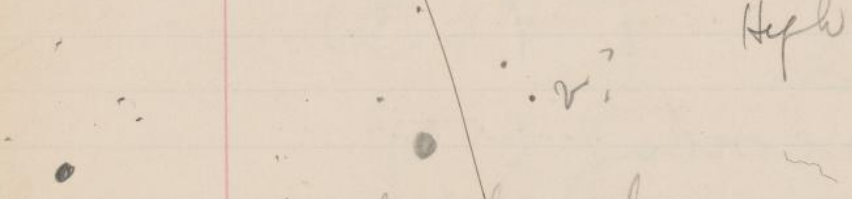
b 3 v

v 1 c . est = 9

Near moon

7 45 165631 RV Herculis

~~Nothing seen in position of var on chart, but there is a star a little north which may be the var.~~



~~If this be the var, then~~

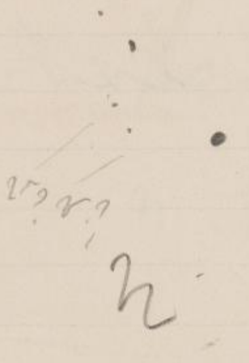
~~γ 1 v~~
~~v 3 δ~~ ~~est = 10~~

Oct. 17, 1904. The position of the variable marked on chart was 20' out in dec. so entirely wrong star was obs.

Oct. 15, 1904

175519 RY Herc.

755 If vis. not up to 12th mag. and I can not identify from chart I have.



Either one of stars marked may be var or neither may be it.

Look upon photo.

These stars are about 11 m

Oct. 17, 1904. Neither of the stars marked above is the var. See J. A. P's chart in P.A. 8. 45.

805 180122 RW Herc.

var. invis.

No star seen anywhere near position

Certainly less 11½ mag.

Oct. 15, 1904.

8 10 R Herculis

e 3 v 8.65 est = 8½
v 1 f 8.53
8.59

12 W Herculis

v = f 9.02
8.80 est = 8
8.91
v 3-4 ~~f~~ g

15 S Urs. Maj

11.38 n 3 v est = 11½
11.53
11.46
v 0-1 o

20 T Urs. Maj

var. not seen

<12.2 p seen

Oct. 15, 1904

8 30 R Urs. Maj.

r, v

v 4s $\frac{\substack{11.58\\11.82}}{11.70}$ est = 12

8 45 Z Cass. 233956

var. invis.

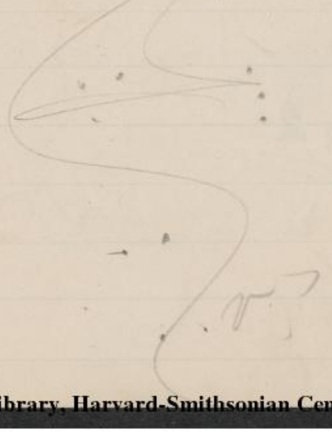
75 h

190529 V Lyrae

var. invis. or too faint

to identify with DM. chart

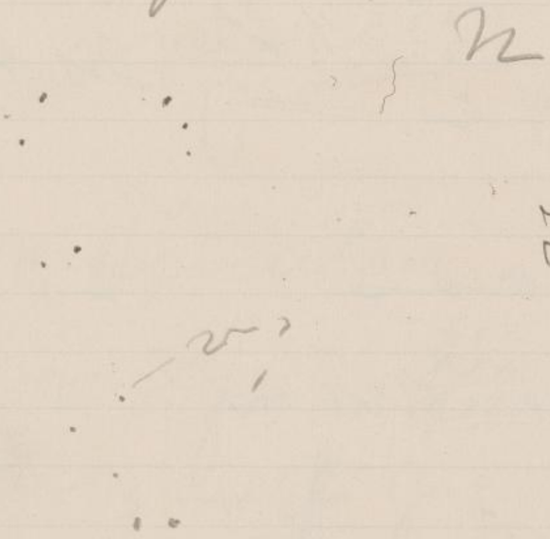
RS Lyrae



1904phae.proj..784O

Oct. 15, 1904

9 07 R S Lyrae 190933
var. fh. or mics.



S

Look up on
photos

190941 RU Lyrae
10 Look on photo to identify.
Shows four stars near
position

20 S Delphini 203816
f 0-10 9.2
v 3 g
est = 9

Oct. 15, 1904

9 30 S Aquarii

v 2 n <13.0

9 40 RR Androm.

Two stars of about 11 1/2 mag.
seen near position of var.
Look up

S Persei

10.68
11.03
10.86

45 v = ~~R~~ k est = 10

v 3 l

o Ceti

48 ε 1 - 2 v 9.34 est = 9 1/2

Oct. 15, 1904

Hagen's Var. near o Ceti (marked on chart)

(1) 2-3 v est = 10

(10) (92)

(6) (20)

1904phae.proj..784O

Monday, Oct. 17, 1904

6 45 Fixing telescope which had strange
eye-cyl on

7 05 R Bootis

l 3 v 9.54
v 1 m 9.58
9.56 est = 10

08 R Ophiuchi

f 3 v 8.11
v 2 g 7.98
8.04 est = 8 or brighter
Low.

V Oph,
Too low,

14 171401 Z Oph.
b 3 v photog.
v 2 c est = 7.8

1904phae.proj..784O

Oct. 17, 1904.

7 17 R S Oph. 174406

v = h
v 4 k

photog

est = 10½

hazy.

20 R Sag.

d 2 v
v 4 f

7.55
7.52
7.54

est = 7

e off chart

22 RW Sag. 190819

d 1 v
v 3 d'

est = 10

photog

25 RX Sag. 190818

v = d
v 4-5 d'

photog.

est = 8

Oct. 17, 1904

735 19(321) Z Sag. 74 II

d 3 v est = 9 7/
v 2 e 9.0
Near moon

37 S Bootis

f 5 v 10.17
10.13
10.15 est = 10
v 0-1 g

58 RV Herc. 165631

α 2 v est = 10 1/2
v 1 β

a.f.l's seq.

801 166625 RU Herc.

a 5 v est = 7 C's notation

b much too faint. No
good "b" in field or near

Oct. 17, 1904

8 12 R. Y. Herc.
No star seen in pos.
given by Parkhurst chart
but a star is seen in same
dec. but preceding.

X Oph 183308

20 a'' 3 v est = 6 ½
v 1 a'

Additional stars to sq.
7 74-II, in which
the a is not bright enough

Oct. 17, 1904

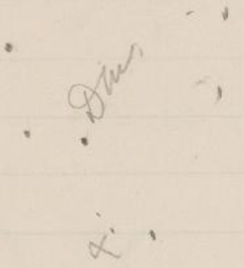
8 25 181136 W Lyrae

v = a

v 5-6 b est = 7 1/2

35 185634 Z Lyrae

S



5 var. moves

x seen

40 X Aquarii 221321

Near Moon

g 1 v

v 3 g est = 10

photog.

Oct 17, 1904,

8 50 220412 TT Pegasi

b 3 v 8.65 est = 7½
v 4 C
74 #

8 57 X Cygni

t 0-1 v 8.73
8.71
8.72 est = 9
v 3 u

9 05 S Cass

r 6-1 v 12.33
12.21
12.27 est = 12½
v 4 s

9 15 R Arietis

v — r 12.32
12.37
12.34 est = 12½
v 5. s

Oct. 17, 1904

9 20 S Arietis 015912

var. invis:

k seen, & stars at least

1m fainter 74-II

R Ceti

9 40 v = n 10.60 / 10.80 / 10.70 est = ~~10~~ 11

v 40

42 U Ceti

k 3 v 9.41 / 9.28 / 9.34 est = 9½

v 1-2 l

46 R Lyncis

d 5 v 8.52 / 8.56 est = 8½

v 0-1 e 8.54

Oct. 7, 1904.

9 46 083350 — Urs. Maj

Invis.

Sky too hazy in region

T Cephei

50 l 3 v 9.48 est = 9

v 1 m 9.55

9.52

55 R Camelop

k 1 v 11.90 est = 10½

v 3 l 11.90

11.90

TW Cygni 210129

10 00 var. invis.

a seen & stars 2

mag. or so fainter

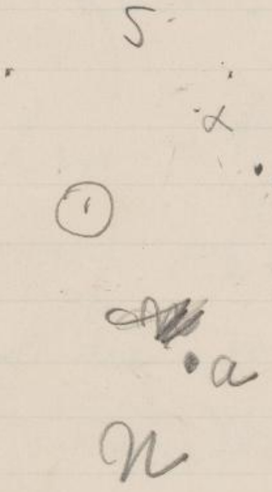
very clear (2 3/5) (11 5/25)

Tuesday, Oct. 18, 1904

7 10 S Herculis **M**

f 4 v 8.00
7.99
8.00 est = 7.8
v 1 g

2W RS Herculis 171723
No trace of the var.



α seen and
stars nearly a
mag. fainter
var. probably < 11½

Z Aquilae
Too near moon

Oct. 18, 1904

J Cap.
Too near moon.

7 40 RR Aquarii

f 2 v $\underline{\underline{10.0}}$
v 3 g   est = 9?
very near moon

45 Clouds forming.

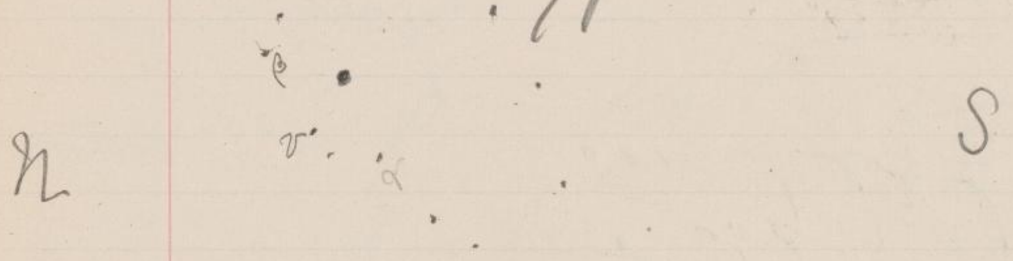
8 07 SS Cygni

o 2 v 11.97
v 1 h 12.04
$\underline{\underline{12.00}}$ est = 12

15 SX Cygni
var. invis.
Faintest DM stars seen
and at least 1 mag fainter

Oct. 18, 1904.

8 30 TZ Cygni



α 3 v
v 1 β   est = 10

Almost impossible to get any observations to-night as the whole sky is full of clouds.

9 05 Closed up. Too many clouds.

(4) (119)   (2) (27)

Thursday, Oct. 20, 1904

M

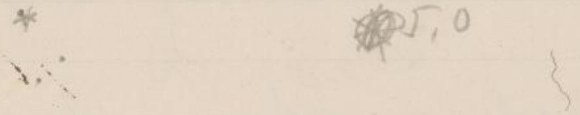
8-10 200906 Z Aquilae

g 4 v 10.0 C's notation

Ph not certainly seen

Near moon & very hazy.

25 S Aquilae 200715a



g: h v ?

* l 9.8

h 2 v

Am not sure of k,

Chart & sky do not look alike

Oct. 20, 1904.

8 38 SS Cygni

0 2 v

v 1 p est = 12 11.97 / 12.04 / 12.00

S Piscium

Too much moon & haze

40 R Persei 032335

v = 9 9.6 est = 9?

v 8 h 74 - II

50 V Tauri

Sky too hazy to ident. field with only a Hagen chart

Clouds forming

Oct. 20, 1904.

8 5~~8~~7 X Aurigae 060450

d 3 v 9.0 est = 9?

v 0-1 c. C's notation

58 clouds, moving all over sky

9 25 Still cloudy.

41 X Cass 014958

c 4 v 9.6 est = 8½?

v = d

v quite red. C's notation

45 S Camelop 053868

a 5 v 8.7 est = 8

v 0-1 b quite red

(7) (126) (0) (27)

Cue 74

Friday, Oct. 21, 1904

M

8 40 δ Aquilae 200715 a.

74-II

h 2 v 9.5

v 3 g

h 4-5 g

g 4 k

Look up sequence of this star.

V Draconis

9 00 α 1 v est = 10?

v 3 β

Very hazy

Star seems to be in right pos. from drawing but as the ft. stars near are not visible, ident is somewhat uncertain

1904phae.proj..784O

Oct. 21, 1904.

9 10 SS Cygni

o 2 v   11.97
v 0-1 p   12.09
12.03   est = 12

20 V Aurigae 061647

f 4 v   10.0   est = 9
v 1 g

uncertain; 44

seeing very poor

35 U Aurigae 053531

v = m   10.5   est = ~~9½~~
v 3 n   10½

74

Oct. 21, 1904

9 48 S Urs. Min.

b 3 v
v 1 a

est = 8

(6) (132)
(–) (27)

L.P.P.

Monday, Oct. 24, 1904

M

7 - 7.2. Arranging high power eye piece which is troublesome with the extra attachment now on it

23 X Aquarii 221321

near moon

e 3 v

v 1 f

est = 10½?

Photog. sq.

25 R Delphini

f 1 v 11.72 11.64 11.68 est = 12?

v 2 g

Images flt

35 R Cygni

g 1 v 11.03 11.02 11.02 est = 9½

v 3 s

Oct. 24, 1904

R Sagittarii

7 40 c 5 v 7.56
7.25

v 1 d 7.40 est = 7

W Herculis

50 d 1 v 8.64
8.38

v 4 e 8.581 est = 8

Southern stars hopeless in moon light

8 15 W Cass 004958

α 3 v est = 11½
v 0-1 β

27 Y Cephei 003179
var. miss

Nothing seen in region brighter than 11m

1904phae.proj..784O

Oct. 24, 1904.

γ 35 O V 1046 X Andrm

γ 3 v
v = δ est = 10

Cas sep.

Stars in Taurus track for but they are too near the moon

SS Cygni $\frac{\frac{11.5\ 2}{11.6\ 2}}{11.57}$

(45 n 2 v est = 11.8
v 1-2 0

var. brighter than normal perhaps just commencing to rise.

1904phae.proj..784O

Oct. 24, 1904.

9h T Lacertae 221733

~~a~~ 1 v est = 9½ or 10
v 2 β

10 T Cass

g 5 v $\frac{\begin{matrix}\cancel{9}.06\\8.93\end{matrix}}{\cancel{9}.00}$ est = 9
v 0-1 h

20 U Cass
h, n
=

(11) (143)
2 (29)

S S Cygni
l, v $\frac{\begin{matrix}11.00\\11.62\end{matrix}}{11.31}$ est = 11½
30 v 3 n (l always < m to me)

var. appears brighter than in former obs. to-night. This is probably due to better position (it was overhead before) and clearer sky.

Thursday, Oct. 27, 1904

6 07 V Oph. 162112

α 4 v est = 5 1/2
v 2 β
from Cutbery]
chart (b) Clear.

15 S Serpentis

o 2 v $\frac{11.44 \quad 11.21}{11.32}$ est = 11
v 3 β

18 S Coronae
s 3 v 12.71 est = 12 1/2

Z Oph 171401

25 b 4 v est = 7 1/2
v 6-1 c photog.

Oct. 27, 1904

6 35 V Coronae 154539

l 35

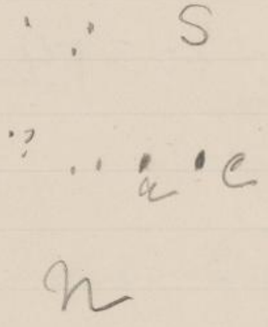
v 1 m est = 11

Circ. 74

45 W Aquarii 204104

Var. probably min.

Very ft. object seen at or near pos. of var. but it always seems to be there in good nights



South up

This object is at least 1 m. fainter than c

1904phae.proj..784O

Oct. 27, 1904.

6 55 ST Sag. 185512

photog.

e 1 v

v 2 k est = 10½

7 00 T Cass. 235855

v = f est = ~~9~~ 8½

v 6 c

Var. brighter than Leavenworth

05 RW Sag. 190819 phot

v = d est = 9

08 v 4 d'

RX Sag 190818 phot

~~d' 3 v~~ d 3 v est = 9½

~~v 1 d~~ v 1 d'

1904phae.proj..784O

Oct. 27, 1904.

Z Sag. 191321

7 17 f 15
v 3 g   est = 9 1/2

20 V Delphini
No trace of the var.
α & fbr. stars south of α seen
Sky very clear

23 V Pegasi
Var. invi.
l seen & stars about
0.8 fainter.
Moon up and seeing rather
hazy.

Oct. 27, 1904.

210221 X Cap.

7 40 var. invis. 74-II

h seen

8 00 X Aquarii 221321

a 3 v est = 9½

v 1 e

photog.

05 W Cap. 200822

var. invis

h glimpsed 74-II

Seeing very poor.

Set 10^m ahead in R.A. for this star

Oct. 27, 1904

8 10 U Cap. 204215.

k 3 v 11.5

74 – II.

l not seen

very hazy.

18 S Urs. Maj.

l 4 v 10.49
10.55
10.52

v 1 m est = 12?

X Cephei 210832

30 Var. invis.

No star seen anywhere near pos.

Stars of about 11 m seen

1904phae.proj..784O

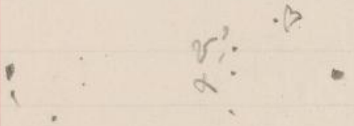
Oct. 27, 1904.

8 35 RU Cap. 202622

γ 3 v est = 10?
v 2 δ

Stars selected & marked on chart.
very hazy.

ST Cygni
8 48 If correctly ident.
v = α est = 11
v 3 β



N

Probably not the var.
See J. C. P.'s drawing on
P. A. 6. 304. Also I 23266
where var. & this star both appear
very faint. Dec. 1, 1904.

SS Cygni
5V a 4 v
v 6-1 d

A 9.0
A. 5.5
8.72

est = 8

Oct. 27, 1904.

9 h TT Cephei

v = l 9.18

v 5 k est = 8 1/2

03 R Piscium

n 4 v 10.22
10.20
10.21

v 1 s est = 10

05 S Piscium

f 3 v 9.0

v = g est = 9

15 v 4 h

U Andrm 013338

f 3 v est = 10 1/2

v 2 g

g inserted at the telescope

Oct. 27, 1904.

9 25 Z Cephei 021281

α 4 v est = 10½

Make drawing for the stars

No star seen in pos. of

DM star marked?

RR Cephei

27 var. mis.

No star seen at or near

pos. on chart.

Less than 11½

9 45 — Ms, Maj, 083350

b 3 v est = 8

v 2 e photop

Oct. 27, 1904

9 50 TT Camelop. 043065.

e 1 v 9.6
v 3-4 f est = 8 9

Circ 74.

High power eye-piece very troublesome all the eve. It is almost impossible to put it on without disturbing the telescope. Consequently much time is lost.

(23) (166) L.P.P.
7 (36)

Friday, Oct. 28, 1904

6.55–7.20 Laboring with the telescope to be able to set on any star at all. It moves so hard and H.A. circle is all out.

7 21 U Herculis 162119
t 3 U 11.9

25 W Herculis 163137
e 1 v 8.88 / 8.82 / 8.85 est = 8
v 2 f

30 S ~~W~~ Herc. 164715 8
7.38 / 7.30 / 7.34 ǂ e 2 v ~~7.18 / 6.6 / 7.04~~ est = 7½
v 3 f

1904phae.proj..784O

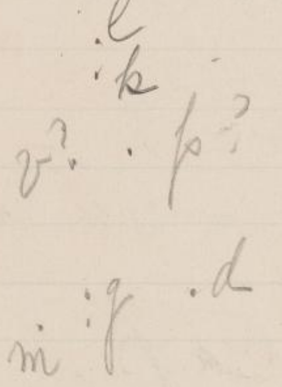
Oct. 28, 1904.

35 X Oph. 183308

a 4 v
v 1 a est = 6/p

Circ. 74-II

50 V Sagittae 201520



p 4 v

If p is the var.

then v 2 m

Nov. 1, 1904. From inspection of I 17668. I think star called "p" is the var.

This star is always faint;

800 195308 RS Aquilae

m 1 n

Ledgard to here.

1904phae.proj..784O

Oct. 28, 1904.

808 194604 X Aquilae

o5 n

RR Cass. 235053

815 var. not seen

< 10½

212814 T Cap.

20

v = l ext = 11

d 3 m

23 215717 U Aquarii

d 3 v ext = 9½

v 7 l 405

1904phae.proj..784C

Oct. 28, 1904

30 X Draconis 180666.

var. perh. invis.

star seen near pos. must be the Dm star.

this star about = γ

40 W Draconis

α 4 v

v 2 β est = 10

45 S Pegasi 231508

n 1 v $\frac{10.00 \quad 9.93}{9.96}$ est = 9½

v 2 b

55 Williams' var. 22h +29

g 2 v photog. rep.

v 1 h

est = 10

1904phae.proj..784O

Oct. 28, 1904.

9 05 R Aquarii 233815

n 0-1 v 9.86
v 3 p 10.24
10.05 est = 10½

07 Z Aquarii 234716

g 4 v 8.75
v 1 h 8.56
8.66 R Aquar. seq.
est = 8½

31. U Piscium 011712

l 2 n

Set R.A. 16m back

further star.

Oct. 28, 1904

945 U Arietis M

L, n

Moon up enough to interfere with seeing

55 SS Cygni 213843.

d, v 8.70 est = 8 1/2
8.70
8.70

v 2 e

(12) (178) L.P.P.
(7) (43)

Saturday, Oct. 29, 1904

7 45 RV Herculis 165631

d 3 v chart (b)
v 1 x

11th

R Aquilae 190108

55 z 2 v 11.5
v 2 t

11th

RY Lyrae 184134

8 05 Var. invis.

nothing seen that could be the var. if pos. on chart is right. The Dm star slightly n. prec. is quite a bright object

Sky very clear

Var. must be < 12 1/2

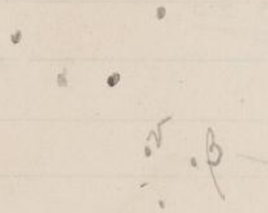
Oct. 29, 1904.

8 10 RW Lyrae 184243

If correctly ident. var. quite bright

α 4 v

v 1 β   β not in DM.



9th

13 T Aquar. 204405

s 1 v   11.12 / 11.22 / 11.17

v 3 t   12th

D.0 Nova Persei No. 2 032443

s 0-1 v

v 4 t   12th

1904phae.proj..784O

Oct. 29, 1904.

8 40 220412 T Pegasi

b 4 v 8.8 ~~to~~

v 0-1 c 7 1/2 th

45 142584 R Camelop

v = l 12.20

l m not seen

Seeing hazy

47 SS Cygni 213843

d, v 8.70
8.60
8.65 8 1/2 th

v 3 e

55 222439 S Lacertae

v = s

v 4 t 12th

1904phae.proj..784O

Oct. 29, 1904

9 10 004533 RR Androm.

α 2 v
v 1 β 12th

13 R Tauri 042209

n 1 v 9.98
v 4 o 9.86
9.92

est = 9.9

S Tauri

var. invis <10?
p seen

25 T Tauri 041619

c 4 v 8.8
v 3 d

1904phae.proj..784O

Oct. 29, 1904.

40 044617 V Tauri

c 2 v $\underline{9.2}$
v 1 d 8 1/2 th

45 053326 RR Tauri

e 3 v
v 6-1 f 10 th

47 065355 R Lyncis

d 2 v 9.22
v 3 e 9.30
$\underline{\underline{9.26}}$ 8 th

The verniers in H. A. circle ~~were~~ are set exactly repeat to repeat, the first time since I have used this telescope
(15) (19 3) (2) (+5) L.P.

1904phae.proj..784O

Monday, October 31, 1904

~~5 45~~ 6 00 R Oph. 170215

h 2 v 8.78 / 8.73 / 8.76 9.5th
v 1 k

05 RS Oph. 174406 photog.

h, v
v 4 k 11th

RT Oph. 175111

15 No trace of the var.
α & β seen after long looking
β must be at least 12m
See drawing from I 31845
on chart

20 160625 R U Herc. C's notation

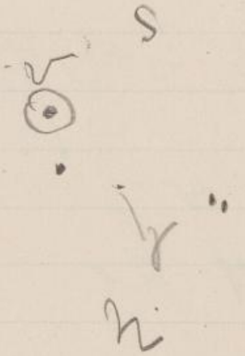
a 4 v 8th
v 3 b

Oct. 31, 1904.

6 40 170627 RT Herc.

β 2 v 12th

v 3 γ γ not in DM



X 50 175519 RY Herc

very faint object seen in Parkhurst's position

Assuming this to be the var. then

v 1 α 13th

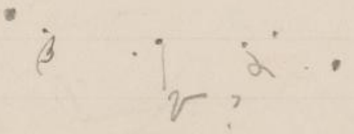
7 10 191017 T Sag.

n 2 v 12½th

o not seen Circ 74

Oct. 31, 1904.

7 20 235053 RR ~~Andromedae~~ Cassiop. ?



If var. is correctly ident
then
α 2 v
v 1 β   11.8 th

30 235857 Y Cass.   photog.
b 4 v   8.5 th
v 0-1 f
very red.

35 185512 ST Sag.
e 1 v   9 th
v 3 g

Oct. 31, 1904.

7 50 192928 TY Cygni

v = α
v 3 γ ~~10~~ 10.5th

Williams chart. ⓑ

8 05 205030 UX Cygni

Bright star near position assumed to be the var. although it seems a bit south of pos. on the chart

α 1 v 9th
v 2 β

15 004958 W Cass.

γ 2 v 11.5th
v 1 δ

1904phae.proj...784O

Oct. 31, 1904.

8 30 013238 RU Andrm

Var. probably invis. A very faint object is seen near pos. of var.

This ft. star is just on the limit of vis. and prob. less than 13m for the sky is very clear.

32 221321 X Aquarii

b'4v 9th Photog.
v1c

35 175458 T Draconis
v=l l > h
v2k l is below k
74-II 10.5 th

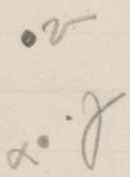
Oct. 31, 1904.

8 50 221733 'T' Lacertae

α 1 v

v 2 γ 9.5 th

β is too far away.



am not sure which is the DM star but assume that α, the brighter of the two, is the one

213843 SS Cygni

v = d 8.60 8.5 th
8.60
8.60

v 3 e

231425 W Pegasi

α 4 v 10.5 th

v 1 β 74-II

α = DM star

1904phae.proj..784O

Oct 31, 1904

9 20 011272 S Cass.

q 3 v $\frac{12.07}{\frac{12.28}{12.18}}$ 12.5 th

v 2 r

30 093178 Y Draconis

α 3 v

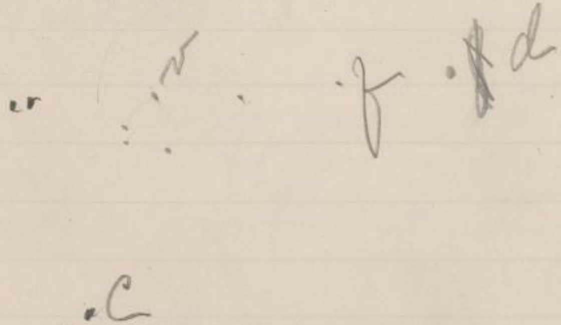
v 2 β 8.5 th

060450 X Aurigae

e 2 v

v 3 f 10 th C's notation

am not quite sure of that.



Oct. 31, 1904.

9 40 .083350 — Urs Maj
b4r photog.
v+e 8th

Very clear night and telescope is in good order.

(21) (214) L.P.P.
(2) (47)

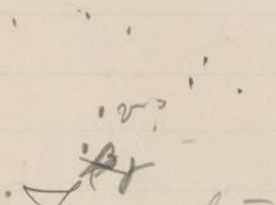
1904phae.proj..784O

Tuesday, Nov. 1, 1904

7 30 193449. R Cygni

p 4 v — 10.42 / 10.48 / 10.45 — 9.5 th
v 0-1 g

T Urs. Min. 133273
45 S
Out — Reject



Two stars of nearly equal brightness
near position of var.
Assuming one marked, then

β 3 v
v = γ — 10.5 th

Nov. 4, 1904. Star obs. was not the var. Var. invis. See I 16797, 16477 and 28733.

15 ST Cygni 202954
Can not identify.
Probably quite faint (2) (216) (over)

Nov. 1, 1904

805 Clouds.

850 Still cloudy,

Thursday, Nov. 3, 1904

7 30 Sky very poor, hazy and
unsettled, will try for a few bright stars

7 40 S Delphini 203816
k 2v 10th
v 1 l
10.2
10.3
10.2

45 SS Cygni 213843
d 3v 8.90
v 6-1 e 8.85
8.88 9th

47 R Draconis 163266
f 4v 8.68
v 1 g 8.46
8.57 8th

very hazy.

8 00 202946 SZ Cygni
c 1v photog. obj.
v 1 b 8.5th
Images blurry
This star is supposed to resemble SS Cygni

08 T Cass 001755
g 3v 9.06
g v 1 h 8.80
8.97 8.5th

Nov. 3, 1904.

8 26 013338 Y Androm

$\frac{e,v}{v\,3\,y}$ 9th

C's notation, needs revision for brighter stars.

30 032043 Y Persei

v = α

v 3 α' 8.5th

quitered

U Aurigae.

Too faint for this sky.

Stars in Lyrae also too faint

(7) $\binom{223}{(47)}$ L.P.

1904phae.proj..784O

1904phae.proj..784O