KG
11365
749

KG11365.749

Record of observations made by Leon Campbell.

Made with the 5" telescope and H.G. principally.

Feb. 6, 1904.

to

KG 11365.749

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Feb. 8, 1904 (Monday)

JD 6519 R.C. Obs. H.C.O.

o Ceti eye clear
7 00 n 0, 3 o 4.27
4.09
4.18

R Androm F.G. "
7 23 b 0, 4 c 5.72
6.00
5.86

R Cassiop F.G. "
7 25 e 1, 4 f 5.83
5.86
5.84

S Hydrae 5" "
8 10 e 2, 2 f 8.45
8.36
8.40

S Can Min 5" "
8 12 d 2, 2 e 7.90
7.86
7.88

R Leonis 5" "
8 15 y 2, 2 z 9.84
9.92
9.88

S Urs Maj 5" "
~~8 17~~ 9:34 m ~~8~~ 3 var 10.95
~~l 6 var~~

R Draconis 5" "
9 14 m 4, 0 n 10.56
10.56
10.56

Feb. 8, 1904

R Cancri 5" clear

9 28 n 3, 0 5 9.58 9.55 9.56

δ Urs. Min 5" "

9 32 a 0, 4 C

(b 3 a)

(19) (1072)

L. P. P.

Feb. 16, 1904 (Tuesday)
JD 6527 L. C. Ob. H.C.O.

---

o Ceti

7 10 Var > l but unable to tell how much. Too much haze and cloud.

7 15 Too much haze & cloud to observe now at least

7 45 Nearly all cloudy everywhere

Feb. 1~~8~~7 1904 (Wednesday)

JD 6528 L.C. Obs HCO

o Ceti eye

7 00 k 0, 4 l 3.56
3.43
3.50

S Can Min 5"

7 32 d 2, 2 e 7.90
7.86
7.88

S Hydrae 5"

7 34 f 2, 2 g 8.76
8.71
8.74

R Leonis 5"

7 35 y 3, 2 z 9.94
9.92
9.93

Vesta 5" ✓

8 01 z 1 Vesta windy

8.1 est diff

z = +17.656 (8.0)

Feb. 17/1904

R Androm 17.9

8 03 c 2, 3 d 6.60 6.64 6.62

R Cassiop B.L.9

8 05 e 3, 2 f 6.03 6.06 6.04

R Draconis 5''

8 56 l 2, 1 m 10.00 10.06 10.03

S Urs Min. 5''

8 57 7.5 a 0, 5 c (b 3 a)

T Cephei 5''

8 58 c 0, 5 d 6.04 6.18 6.11

R Aurigae 5''

9 12 d 0. 5 e 7.72 7.66 7.69

U Orionis 5''

9 16 g 4, 0 n 10.58 10.56 10.57

R Virginis 5''

10 46 b 4, 2 d 6.44 6.67 6.56 L.P.

R Bootis 5''

10 50 l 4, m 0, 3 n 9.64 9.68 9.71 9.70 (28) (110)

Feb. 20, 1904 (Saturday)

JD 6531 L.C. Ob. H.C.O.

7 00 o Ceti eye m

β h 3, 3 k 3.25 / 3.26 / 3.26

R Cassiop. FLG.

7 13 e 2, 3 f 5.93 / 5.96 / 5.94

R Androm. FLG.

7 14 c 2, 3 d 6.60 / 6.64 / 6.62

V Cephei FLG

7 15 b 1, 5 c 6.20 / 6.00 / 6.10

S′ Can Min FLG

7 19 c 4, 2 d, 4 e 7.84 / 7.50 / 7.66 / 7.67

T Cephei FLG

7 23 c 3, 2 d 6.34 / 6.48 / 6.41

Vesta 5″

8 45 γ 1, 2 α′ 8.1 α′ = +12.574 (99)

α Orionis eye

8 47 ~~B~~ β Orionis 1, 7 α Tauri 0.44 / 0.36 / 0.40

Feb. 29, 1904

R Tauri 5"

9 06 g 3, 2 h 8.46
8.36
8.41

S Tauri 5"

9 45 f 2, 2 g 10.84
10.94
10.89

Nova Persei 5"

9 52 s 4, 2 t 11.5

R Draconis 5"

10 32 h 4, 1 k 9.46
9.30
9.38

R Aurigae 5"

10 36 d 3, 2 e 8.02
7.96
7.99

(27) (11 27)

L. P. P.

Feb. 22, 1904 (Monday)

(JD. 6533) L. Campbell, Ob. (HCO)

7 02 o Ceti [illegible] m

h2, 4k 3.15 / 3.16 / 3.16

R Leonis 5" m

9 10 y 4, 0z 10.04 / 10.12 / 10.08

R Draconis 5" m

9 18 h2, 2k 9.26 / 9.20 / 9.23

R Virginis 5"

10 12 b5, 0d 6.54 / 6.87 / 6.70

R Corvi 5"

10 58 e2, 4f 8.47 / 8.26 / 8.36

R Bootis 5"

11 00 l 3, 0m 9.54 / 9.68 / 9.61

(2) (11 39) L.C.

Feb. 25. 1904 (Thurs. ~~Tuesday~~)

JD 6536 L.C.Ob. H.C.O.

o Ceti eye m

7 03 g 5, h 1, 5 k 3.18 / 3.05 / 3.06 / 3.10

R Cassiop FLG m

7.20 e 3, 2 f 6.03 / 6.06 / 6.04

R Androm FLG m

7 21 c 3, 2 d 6.70 / 6.74 / 6.72

11.45–13.00 Lunched, & waited for moon to lower.

R Corvi 5″

13 05 e 5, 1 f 8.77 / 8.56 / 8.66

R Virginis 5″

13 12 c 3, 2 d 6.79 / 6.67 / 6.73

Y Virginis 5″

13 25 h 0, 3 k 9.46 / 9.38 / 9.42

~~X~~ V Virginis 5″

13 33 m 5, 0.5 o 11.15 / 10.99 / 11.07

R Can Ven 5″

13 38 p 5, o 9, 3 r 10.94 / 11.18 / 11.39

Feb. 25, 1904

R Bootis 5"

13 43 — 9.54 / 9.68 / 9.79 / 9.67 — l 3, 0 m, 3 n

R Coronae ~~FB~~

13 45 — 5.56 / 5.64 / 5.60 — b 0, 3 e

S Coronae ~~FB~~ 5"

13 48 — 7.06 / 7.12 / 7.09 — e 1, 7 g

R Hydrae 5" finder

13 52 — 6.05 / 6.13 / 6.09 — m 2, 2 n

S Serpentis 5"

14 00 — 11.81 / 11.75 / 11.78 — p 3, 0 q

R Herculis 5"

14 10 Var susp only

Var o ~~X~~ R 11.38

W Herculis 5"

14 15 — e 2, 0 f — 8.98 / 9.02 / 9.00

U Herculis 5"

14 20 — f 3, 1 g — 7.48 / 7.29 / 7.38

Feb 25 1904

T Herculis 5"

14.25 — 11.85 / 12.01 / 11.93 q 2, 4r — very faint.

S Herculis 5"

14.33 11.52 / 11.58 / 11.55 r 2, 2s

R & S Scorpii

15 56 too hazy ~~region~~ region not identified

S Librae 5"

16 00 n.S. haze. also star prob. faint.

X Cygni 5"

haze ?

16 10 p 6, 1r, 3s 8.13 / 8.01 / 8.09 / 8.08

16 13 Very hazy in South

R Cygni 5"

16 15 q 3, 0r 10.83 / 10.93 / 10.88

(4.3)(11.82)

16 30 Too hazy to continue

♃ Feb. 26, 1904 (Friday)

J.D. 6537 L. C. Obs. at Home.

o Ceti

7 50 g 5, h 0, 5 k 3.18 eye, moon
2.95
3.06
3.06

(3) (1185) L. P.

Mar. 2, 1904 (Wednesday)

JD 6542 L.C. Ob. H.C.O.

o Ceti eye ~~to~~

7 00 h 1, 5 k 3.05: 3.06: 3.06:

R Cassiop FZG. m haze

7 20 e 3, 1.5 f 6.03: 6.11: 6.07:

R Androm FZG. m haze.

7 22 c 3, 1 d 6.70: 6.84: 6.77:

8 10 All cloudy, thick southern scud.

8 20 All cloudy no chance for work.

(6) (1191)

L. P. B.

March 4, 1904 (Friday)

JD 6544 LC Obs. HCO

o Ceti eye. windy

6 55 g 5, 0 h, 5 k 3.18 / 2.95 / 3.06 / 3.06

R Cassiop AH. clear windy

7 58 f 3, 1 g 6.56 / 6.60 / 6.58

R Androm AH clear - windy

7 59 c 3, 1.5 d 6.70 / 6.79 / 6.74

Vesta 5" clear

8 08 $\alpha'' = +19.668$ (8.0) $\beta'' = +18.579$ (8.7) α'' 2, 4 β'' 8.25 windy see DM

R Tauri 5" clear

8 14 σ 2, 2 p 10.46 / 10.44 / 10.45 windy

S' Tauri 5" clear

8 17 p 3, 1 q 10.94 / 11.04 / 10.99 windy

T Cephei ~~AH~~

8 20 b 4, 2 c 5.92 / 5.84 / 5.88

Varsed

Mar 4 1904

T Cassiop 5"

8 22 e 1, 2 f 7.97 7.97 7.97

R Aurigae 5"

9 05 b 6, 1 d, 5 e 7.21 7.62 7.66 7.50

U Orionis 5"

9 08 f 2, 2 g 9.86 9.98 9.92

S Cancri 5"

9 13 c 3, 2 d 7.74 7.50 7.62

S Hydrae 5" moon rising

9 16 g 1, 2 h 9.01 9.22 9.1~~4~~2

R Leonis 5"

9 19 f 2, 3 g 9.84 9.82 9.83

R Draconis 5" m

10 17 g 2, 2 h, 4 k 8.76 8.86 9.00 8.87

(31) (1222) L. P. P.

March 5, 1904 (Saturday)

JD 6545 L. C. Obs. LCO

o Ceti eye.

6 40 g 5, 1 h, 3.18 / 2.85 / 3.02 clear

7 10 Clouds in west now

7 25 All cloudy, no work as yet.

Wilson star + 10°.1149 6"

9 23 α 1, 1 β 6.25 / 6.33 / 6.29 see α M

α = 11.1213 (7.0) Vol 45 6.15
β = 11.1193 (7.1) Vol.45 6.43

T Orionis 6"

9 55 e 3, 2 f 9.5

see Hagen

R Virginis ~~KLg~~

1020 Reject 5.80 / 5.84 / 5.82 ~~a 3, 2 b~~

wrong ~~star~~ for Var.

~~(A6) (220)~~ L P. (6) (i 228)

March 8 1904 (Tuesday)
JD. 6548 LC Obs H.C.O.

o Ceti eye Clear
7 00 g 2, 1 h 2.88
2.85
2.86

R Androm 4 Tel "
7 26 c 2, 2 d 6.60
6.74
6.67

R Cassiop 4 T. G. "
7 27 g 1, 3 l 6.80
6.87
6.84

V Cephei 4 G "
7 28 b 0, 5 c 6.10
6.00
6.05

α Orionis eye "
7 29 α Can Min 2 0.68
0 β Orionis 0.34
0.51

T Orionis 5" "
8 47 e 2, 3 f 9.4 Hagen Cht

S' Orionis 5" Hagen
8 50 f 0, 4 g 9.5 Cht

9 00 10°.1149 5"
α 1, 2 β 6.25
6.23
6.24

Seeing very good tonight.

March 8, 1904.

η Orionis 5"

9 25 p 0, 3 q $\frac{\begin{matrix}9.66\\9.88\end{matrix}}{9.77}$

S Can Min FTg

9 28 d 2, 3 e $\frac{\begin{matrix}7.90\\7.76\end{matrix}}{7.83}$

U Puppis 5"

9 52 m 0 n Hagen cht
Ci 74 Not.
high power used but Var. not seen.

R Virginis FTg

10 00 Note! – The wrong star was observed for the Var. the 5th inst.

ρ Drac 5"

10 05 g 3, 2 h $\frac{\begin{matrix}8.86\\8.86\end{matrix}}{8.86}$

Mar. 8, 1904

δ¹ Urs. Maj., 5-4
10 07 l 2, 2 m 10.29
10.45
10.37

T Cephei FD
10 36 b 4, 2 e 5.92
5.84
5.88

δ¹ Coronae FD
10 37 b 3, 2 e 5.92
5.99
5.96

R Coronae FD
10 38 b 3, 0 e 5.86
5.94
5.90

R Hydrae FD
10 51 g 3, 1 h 5.09
4.98
5.04

(32)(126₀) L. P.

March 9, 1904 (Wednesday)

JD 6549 L.C. Obs. H.C.O.

7 10 Too cloudy to observe

7 20 Cloudy

7 30 Sky all cloudy everywhere

8 00 Cloudy yet

8 20 Cloudy with snow flurries and high wind.

9 30 Cleared

R Virginis 5-4

9 53 g 2, 1 h

8.08
8.10
8.09

R Can Ven 9-6

9 56 p 3. 3 q

10.74
10.88
10.81

March 9, 1906

R Corvi 5"

9 59 f 3, g 0, 4 h 8.96
9.02
8.94
8.97

R Hydrae [illegible]

10 34 g 2, 2 h 4.99
4.88
4.94

W Herculis 5"

10 37 f 3, 0 g, 4 h 9.32
9.15
9.09
9.19

(12) (272) L.C.

March 19, 1904 (Thursday)

JD 6550 L.C. Obs. HCO

o Ceti eye

7 00 h 1, 4 k 3.05
3.16
3.10 Var. rather low

R Cassiop. Flg.

7 29 g 3, 2 h 7.00
6.97
6.98

T Cephei Flg.

7 30 b 3, 3 c 5.82
5.74
5.78

7 50 too hazy & cloudy for ests.

8 10 Still too cloudy

(6) (1278) L.C.

March 12, 1904 (Saturday)

JD 6552 L. C. Obs. H.C.O.

7 10 partly cloudy

U Geminorum 5''

9 30 1g, 4h 10.3 Mag. not.

+42.1514 5''

9 35 ~~40~~ a = +41.1476 (8.4)
b = +42.1589 (8.8) a 3, 3 b 8.7 8.5 8.6

see DM chart

+10.1149 5''

10 05 α 2, 3 b 6.35 6.13 6.24

R Leonis 5''

10 30 f 0, 5 g 9.64 9.62 9.63

S' Hydrae 5''

10 31 g 5, 0 h, 3 k 9.41 9.42 9.58 9.47

March 12, 1904

R Aurigae 5
10 33 b 6, 2 d, 5 e 7.21
7.52
7.66
7.46

R Hydrae [illegible]
10 35 g 1, 3 h 4.89
4.78
4.84

R Coronae [illegible]
10 36 b 0, 3 e 5.56
5.64
5.60

10 37 S Coronae [illegible]
b 3, c 1, 3 d 5.92
6.29
6.31
6.17

(21) (1299) L. P. V.

March 16, 1904 (Wednesday)

JD. 6556 L. C. Obs. H.C.O.

windy

o Ceti eye

6 50 3.25 3.26 3.26 h 3, 3 k alt. o low

C. Obs

R Draconis 5"

8 45 8.56 8.66 8.61 ~~9.06 9.00 9.03~~ g 0.4 ~~k~~ h C Obs.

recorded wrong corrected 04-3-17.

S Urs. maj. 5"

8 47 9.84 9.69 9.76 k 1, 4 l C. Obs.

T Cephei H.Z.

8 49 5.82 5.74 5.78 b 3, 3 c Campbell Obs.

9 08 5.72 5.74 5.73 b 2, 3 c Hill Obs.

R Bootis 5"

9 15 8.66 8.58 8.62 g 2, 2 h Campbell Obs

9 35 R Bootis 5"

8.52 g 1, 3 h Hill Obs.

S Coronae ~~5~~ H.Z.

9 45 5.82 5.89 5.86 b 2, 3 c C. Obs.

R Hydrae H.Z.

10 43 4.61 4.59 4.60 f 2, 2 g C. Obs.

H = (4) (4) (14) (13 13) = c

March 17, 1904 (Thursday)
JD. 6557 H.C.O.

---

o Ceti eye
7 00 335 3.46 3.40 h 4, 1 k low
Campbell Obs.

R Cassiop F.G. c Obs
7 10 7.27 7.20 7.24 h 1, 3 k

V Cephei
7 11 6.18 5.90 6.04 b 0, 6 c " "

R Androm
7 12 6.94 6.95 6.94 d 0, 4 e " "

S Can Min.
7 13 8.36 8.28 8.32 e 3, 2 f " "

7 25 α Orionis eye c Obs
0.54
0.50 Capella 3 var
* 0.44
0.49 var 1 Procyon
var 6 Aldebaran

(13) (1.326) L.P.

March 17, 1904

9 00 Hazy

9 20 Too hazy for observing now.

10 20 Still too hazy & cloudy

L. P.

March 18, 1904 (Friday)
JD 6558 L.C. Obs. ACD

Cloudy earlier

8 45 Clear now

+42°1514 = Kings' Susp Var 5″

9 47 8.50 / 8.60 / 8.55 a 1, 2 b

+10°1149 = Willson's Susp Var 5″

9 50 α 1, 2 β 6.25 / 6.23 / 6.24

1220 Too cloudy to observe variables tonight.

(4) (1330) L W

March 20, 1904 (Sunday)

JD 6560 LC-Obs. HCO

1337 R Hydrae eye
f 4, 1 g, 4 h
4.81
4.69
4.68
4.73

R Coronae FAlg.
1340 b 0, 3 a
5.56
5.64
5.60

S' Coronae FAlg.
1342 b 3, 3 c
5.92
5.89
5.90

R Herculis 5''
1357 g 3 n
12.2
too ft.

R Scorpii 5''
1410 n 2, 3 o
9.75
9.86
9.80

S' Scorpii 5''
1413 u 2, 2 w
11.74
11.67
11.70

Mar. 20, 1904

U Herculis 5"

14 20 g b 2, 3 k 7.87 / 7.51 / 7.69

T Herculis 5"

14 23 m 2, 2 n 9.64 / 9.62 / 9.63

S' Librae 5"

14 28 q 3 var 11.50

If Var is certainly seen as it is ~~thought to be~~.

R Ophiuchi 5"

14 38 r 2 n 11.8

-11.4226 5"

14 44 a 1, 5 b

R Cygni 5"

14 52 s 3, 0 t 11.62 / 11.78 / 11.70

Mar. 20, 1904.

R T Cygni.
Chart (a)

14 57 η 3, 3 θ 105

χ Cygni 5″

15 20 α 3, 3 / β 10.83
10.49
10.66

U Cygni 5″

15 24 d 4, 0 e 7.50
7.77
7.64

R Aquilae 5″

15 38 d 3, 3 f 8.9
8.6
8.75
ca 74 Not

V Delphini 5″

16 00 If Var is seen =
f 22 an = 12.0 photog Not

March 20, 1904

R Vulpec 5"

16 18 m 2 var 9.99

var 3 n 9.75

9.87

R Delph. 5"

16 27 ~~x~~ n 4 n 11.2

R Scuti ~~FZg~~

16 33 f 3, 2 g 6.43

6.54

6.48

16 48 S' S' Cygni 6"

var N.S.

17 00 The Dawn prevents further observations

(33) (1363) L.P.P.

March 23, 1904 (Wednesday)

L.C.Ob. J.D. 6563 H.C.O.

L. C. Obs.
E Aurigae eye

6 40 a 2.5, 3 C 3.15 m
.486 2.98
3.06 clear

7 .15 Clouds & haze.

16 E.S. S Coronae Borealis F.G.
H 40 C 3, 3 d 6.49, Hill
6.31
6.40

E Aurigae Eye

11 13 a 2, 3 C 3.10
.676 2.98
3.04

c = (4) (.367) L.P.P.
H = (2) (6)

Mar. 24, 1904 (Thursday)

JD 6564 HCO.

ε Aurigae eye m

7 05 .500 a 3,2-3 d C Ob.
3.20
3.03
3.12

7 35 .524 a 4, 2 d eye m C Obs.
3.30
3.08
3.19

T Cephei FZG m

7 37 : b 4, 2 c
5.92
5.84
5.88

ε Aurigae eye m C Ob.

9 07 .588 a 3, 3 c
3.20
2.98
3.14

Kings' star 5" m C Obs.

c = +42°.1590 (9.1)

~~10~~
9 5~~7~~ 7
8.95
8.70
8.82
b 1.5, 4 c see Ducht

ε Aurigae eye m C Obs.

9 59 .624 a 4, 2.5 c
3.30
3.03
3.16

δ Coronae FZG C Ob

10 ~~29~~ 32 b 5, 2 c
6.12
5.99
6.06

R Hydrae FZG C Ob

10 35 g 1, 4 h
4.89
4.68
4.78

March 24 1904

S Coronae Borealis (Hill Obs)

10 10 b4, 2c 6.02 / 5.99 / 6.00 F.G., ~~eye~~

R Hydrae

10 30 g2, 3h 4.99 / 4.78 / 4.88 F.G. Hill

T Cephei F.G.

10 50 ~~b~~4, 1c 5.92 / 5.94 / 5.93 Hill

R Leonis 5" C. Ob.

10 58 u4, 2y 9.38 / 9.44 / 9.41

11 00 u4, 4y 9.38 / 9.24 / 9.31 5" Hill

ε Aurigae eye C. Obs. (at home)

11 : 40 .694 a3, 3c 3.20 / 2.98 / 3.14

copied in the following morning

C = (20) (1387)
H = (8) (14)

L. P.

JD 6566 Mar 26, 1904 (Saturday) HCO

ε Aurigae C. Obs.
eye m

7 02 a 4, 2 C 3.19

Vesta 5''
C. Obs.
m clds

8 42 8.8

+20.802 (8.8) 4 Vesta

Troubled by clouds, estimate a little uncertain.

δ Urs Maj. 5'' m

8 50 9.18 9.22 9.20 g 3.5 var C. Ob
var 0 h

9 05 9.32 h 1 var Washburn Obs.
Stars faint; troubled by clouds.

9 10 Clouds too thick now for estimates

March 26, 1904.

Note:- 5".

Campbell attempted to observe at 8:25 EMT an occultation of a star by the moon, but clouds prevented the same. No stars seen in the vicinity of the moon in the telescope.

9 40 Too Cloudy

C = ⑤ (1392) L.T.P.
Washburn ① (1)

March 29 1904 (Tuesday)

J.D. 6569 ~~L.C. Ob.~~ H.C.O.

E aurigae eye

7 00 3.12 a 3, 2.5 c C Ob m

Vesta 5'' m

8 07 8.4 x 1, 3 y C Ob.

x = +21.692 (8.5)
y = +20.808 (8.5)

N Urs Maj 5'' m

9 55 g 3, 1 h 9.13 9.12 9.12

(6) (1398) L.P.

March 30. 1904 (Wednesday)
JD. 6570 LC Obs. H.C.O.

7 00 ε aurigae eye m
a 4, z c 3.19

α Orionis eye m
7 17 Capella 3,
1 Procyon.
0.51
0.46
0.48

Vesta 5" m
7 52 (+21.692) 1, 2 (+20.808) 8.4

δ' Can min 5" m
8 12 e 4, 1 f
8.46
8.38
8.42

R aurigae 5" m
8 16 b 7, 2 d
7.31
7.52
7.42
c off chart.

U Orionis 5" m
8 20 k 3, l 1, 4 m
8.24
8.37
8.44
8.35

Neptune 5" m
8 32 x 4, 1 y see DM chart
x = +22.1323 (7.7)
y = +22.1306 (8.4)
8.1
8.3
8.2

Mar. 30, 1904.

U Monoc 5" m

8 42 c 3, 2 d

8 47 S Hydrae 5" m
k 4, 1 l
10.28
10.13
10.20

R Leonis 5" m
8 53 r 4, s 4, 2 t
8.81
9.05
8.65
8.84

R Draco 5" m
8 57 l 2, 3 m
10.00
9.86
9.93

9 06 ε Aurigae eye m
a 4, 2.5 c
3.16

9 10 clouds

9 20 clouds

9 50 clearer

R Boötis 5" m
10 01 c 4, 2 e
7.30
7.68
7.49

S Coronae 5" m
10 03 c 4, 3 e
6.59
6.66
6.62

R Coronae ~~5~~" m
10 05 b 1, 4 c
5.66
5.54
5.60

Mar. 30, 1904

R Hydrae A.G. m

10 07 4.59 var 2 g
4.58
4.58 var 5 h sky very bright haze
f too near moon

ε Aurigae eye m

10 22 a 3, 3 a 3.09

(36)(434)

L. P.

April 2, 1904 (Saturday)
JD 65 L.C. Ob H.C.O.

E Aurigae eye
7 02 a 4, 2 c 3.19

T Cephei ABy
7 18 b 4, 2 c 5.92
5.84
5.88

7 19 V Cephei FBy
b 1, 5 c 6.20
6.00
6.10

Runge Var 5" m
10 46 a 0, 3 b 8.45

(8) (1442) L.C.

April 4, 1904 (Monday)

JD 65-75 L. C. Obs. H.C.O.

T Cephei ~~#~~9.

8 45 c 3, 3 d 6.34
6.38
6.36

ε Aurigae eye

9 35 a 4, 2 e 3.19

Kruge' Star 5"

9 36 a 2, 2 b 8.55

U Orionis 5"

var 2 k 7.61

9 37 var 0 h 7.74
7.77

var 5 l 7.71

~~Iris 5"~~

~~9 56 a 4, 2 b see chart~~

~~Magn = (9.1)~~

~~a = +17.1533 (9.0)~~

b = +17.1529 (9.0)

Not Iris.

(9) (1451) L.P.P.

April 5, 1904 (Tuesday)
JD 6576 L.C. Obs. ACO

St Can. min. 5''
7 33 f 3, 1 g
8.78
8.69
8.74

Iris 5''
7 36 DM +17.1547 (9.2) = Iris
Iris ~~#~~ +17°.1541 (9.4) 9.5

U Monoc [illegible]
7 41 d 2, 4 a

Willson's Star 5''
7 47 ~~a~~ α 2, 3 ~~β~~ 6.24

Nova Per. 5''
7 50 s 3, 2 t

S Hydrae 5''
8 01 l 3 var 10.53

R Leonis 5''
8 04 q 4, 2 r, 3 s
8.61
8.21
8.35
8.39

R Aurigae 5''
8 58 d 2, 3 e
7.92
7.86
7.89

R Draconis 5''
9 00 l 4, 1 m
10.20
10.06
10.13

1904phae.proj..750O

April 5, 1904

R Bootis 5''

9 03 c 1, 5 e 7.08
7.38 d offchart
7.19

S Coronae 5''

9 04 e 2, 5 g 7.16
7.32 f offchart
7.24

R Hydrae 5 FEG

10 03 var 2 g 4.59
var 5 h 4.58
4.58

R Coronae FEG

10 18 b 0, 4 c 5.61
5.54
5.58

T Herculis 5''

10 20 l 0, 4 m 9.15
9.04
9.10

(28) (1479) L P.

April 11, 1904. (Monday)
JD 6582 L.C. Obs. ~~HCO~~

7 00 clear but too busy at 15".
for. observing.
8 00 Clouds

8 40 All Cloudy

April 12, 1904 (Tuesday)
JD 6583 Campbell Obs LCQ

R Camelop 5''
7 53 f 4, 2 g
10.72
10.60
10.66

U Orionis 5''
7 54 f 2, 3 g
6.82
6.74
6.78

ε Aurigae ~~5''~~ Eye
7 55 a 4, 2 c

δ¹ Can Min 5''
7 56 f 4, 1 g
8.88
8.69
8.78

R Leonis 5''
8 32 g 0, 4 h
8.21
8.01
8.11

Virgo Var. 5''
8 36 a 2, 2 b 8.55

R Coronae [illegible]
10 02 5.86 6.34 5.85 ~~5.86~~ 6.02 ~~a 4~~ b 3, 3 d ~~5.8~~ ~~5.9~~ ~~5.~~

R Hydrae ~~[illegible]~~
10 03 h 0, 5 k
5.08
4.78
~~4.9~~3

Apr. 12, 1904

R Bootis AE

10 05 a 4, 3 c 6.21

6.60

6.40

$(1\overset{9}{\cancel{8}})$ $(14\,9\overset{8}{\cancel{7}})$ L.P.P.

April 13, 1904 (Wednesday)

JD 65-84 Campbell Obs HCO

T Cassiop 5"
7 43 g 5, h 0. 3 k 9.06 windy
8.98
9.06
9.03

R aurigae 5"
7 44 d 3, 2 e 8.02
7.96
7.99

U Orionis 5"
7 45 f 2, 4 g 6.82
6.64
6.73

U Monoc HCO
7 58 a 2, 2 ~~c~~ b

T Cephei HCO
7 52 d 1, 2 e 6.78
6.92
6.85

R Draconis 5"
7 54 l 2, 2 m 10.00
9.96
9.98

V Cephei HCO
8 32 b 3, 3 c 6.40
6.20
6.30

April 13, 1904

8 33 King's Var. 5"
a 1, 3 b 8.44

8 34 R Camelop 5"
f 4, 1 g 10.72
10.70
10.71

S Coronae 5"
9 40 e 4, 2 g 7.36
7.62
7.49

9 44 R Corvi 5"
m 2, 0 n 10.22
10.24
10.23

9 47 R Can Ven 5"
l 2, 2 m 9.39
9.39
9.39

T Herculis 5"
10 27 g 2, 1 h 8.59
8.59
8.59

12 10 Midnight lunch.

1904phae.proj..750C

April 13, 1904

R Scorpii & 5"

12 20 u 3, 2 w 11.84
11.67
11.76

S Scorpii 5"

12 25 S 3, 3 t 11.32
11.02
11.17

U Cygni 5"

12 30 e 4, 2 f 8.17
8.16
8.16

RT Cygni 5" Ca. not.

12 36 C 0, 3 d

X Cygni 5"

12 45 f 2, 2 d 11.22

R Ophiuchi 5"

12 53 r 3 n

R Aquilae 5"

13 12 c 5, 4 f Cs Old not

Hap not is not bright enough

Apr. 13, 1904

Pallas 5"

1325 α' 1, 5 / β see DMcht

α' = +19.3141 (9.1)
β' = +19.3142 (8.9)
A.8

Ceres 5

α' = −18.4547 (8.0)
β' = −19.4645 (8.0)

8.2
7.6
8.0
−7.8

1335 α' 2, 4 / β' see DMcht

R Scuti HZS.

1405 e 3, 2 f

5.95
5.93
5.94

R Delph. 5"

1412 n. S.

T Delph. 5"

1422 k 2 n ai 74 not

S Delp 5" ai 74 not

1430 l 3, 1 m

diff due to proximity to c

Apr. 13, 1904

V Delph. 5"

1437 f 3 N.S.

R Vulpec 5"

1443 α 3, 2 e 8.09 / 7.87 / 7.98

N S Cygni 5"

1446 σ 0, 3 p 11.77 / 11.84 / 11.80

U X Cygni 5"

1447 α 3, ~~3~~ 3

1500 Clouds everywhere

(53) (1551) L.P.

Apr. 14, 1904 (Thursday)

JD6585 Campbell Obs. H.C.O.

Kings Star 5"

9 23 a 1, 3 b f44

U Orionis 5"

9 24 f 0, 5 g 6.62
6.54
6.58

R Leonis 5"

9 25 q 1, 4 r 8.31
8.01
8.16

R Bootis FT9.

9 54 var o c 6.90

R Hydrae 5.38
4.98
5.18 FT9.

9 55 h 3, 3 k

R Coronae FT9.

9 56 b 3, c 1, 3 d 5.86
6.04
5.85
5.92

(12) (1563) L.P.

April 16, 1904 (Saturday)
JD 6587 Campbell Obs. HCO.

Kings Star 5 ''
9 48 a 0, 3 b 8.4

U Orionis 5 —''
9 49 d 6, 2 f 6.40
6.42
6.41

R Leonis 5 —''
10 18 p 4, 1 q 8.42
8.11
8.26

R Hydrae FAG
10 20 h 1, 4 k 5.18
4.88
5.03

R Bootis FAG
10 21 Var 3 c 6.60

R Coronae FAG
10 22 c 2, 2 d 6.14
5.95
6.04

(11) (1574) L. P. P.

April 21, 1904 Thursday
JD 6582 L.C. Ob HCO.

U Orionis 5" m

8 54 6.30 6.42 6.36 d 5, 2 f

R Leonis 5" m

8 57 8.22 8.01 8.12 p 2, 2 q

Pallas 5"

10 02 9.0 γ 3, 1 δ

$\gamma = Dm + \cancel{17}\,21.2946\ \text{(9.0)}$

$\delta = Dm + \cancel{14}\,21.2943\ \text{(9.0)}$

R Hydrae FDr

10 32 h 3, 2 k 5.38 5.08 5.23

R Coronae FDr

10 33 c 3, 2 d 6.24 5.95 6.10

R Bootis FDr

10 36 var 3 c 6.60

Apr-21, 1904

Pallas 5~''

10 37 j 2, 2 δ 8.9

T Herculis 5~''

10 38 c 6, 1 e 7.77
7.72
7.74

R Draco 5~''

10 43 m 4, 2 n 10.56
10.36
10.46

(17)(1591) L.P.

Apr. 22, 1904 (Friday)

JD 6593 L.C. Obs. H.C.O.

Moon rather bright and also slightly foggy.

Pallas 5"

9 01 f 3, 0 δ 9.1

same notation as used last night by me.

9 22 f 2-3, 0 δ 9.1

U Cygni 5"

10 18 e 2, 3 f 7.97 8.06 8.02

Var very red

R Can Ven 5"

10 21 h 2, 2 k 9.13 8.93 9.03

(8) (1597) L.P.

April 23, 1904 (Saturday)
JD 6594 L.C. Ob. HCO.

7 10 Too cloudy for Mercury or Pleiades as regards measures with Phot I.

7 15 Sky rather cloudy everywhere and moon rather bright.

Pallas 5" m
9 18 j 0, 3 d 8.8

R Bootis FZ9. m
10 44 var 3 c 6.60

R Hydrae FZy m
10 45 h 2, 3 k ~~6.60~~ 5.13

R Coronae FZ m
10 46 c 2, 3 d 6.00

Pallas 5" m
10 47 j 1, 2 d 8.9

(9) (1608) L.P.P.

Apr. 25, 1904. (Monday)

JD 6596 L.C. Ob 18CO

cloudy early evening
then cleared at 7:45 –

T Cephei 5^4 m

8 33 c 3, 2 d

6.34
8.48
6.41
Var. red.

Pallas 5" m

8 36 j 0, 3 δ 8.A

New algol +7° 3404 (9 2)

9.20 a 2, 3 b 5" m

10 18 see DM
at low

10 59 9.30 a 3, 2 b

better obs. than
the prec. one
as alt. is higher

Apr 25, 1904

12 00 Midnight Lunch

New Algol Var. 5" m

12 10 a 3, 3 b 9.25

V Cygni 5" m

12 17 Var susp only

10.3

m seen easily

R & S Scorpii 5" m

12 30 Too faint in the moonlight

R S Cygni 5" m

12 00 haze

m & var 9.45

Var ~~much fainter than usual tonight~~ -

New Algol 5" m haze

12 53 a 3, 2 b 9.30

Apr. 20/1904.

13 05 Too hazy to continue at present.

Some clearer again

13 10 R Scuti ~~5"~~. in haze
d 1, 3 e 5.29
5.35
5.32

R Vulpec 5" in haze

13 18 d 0, 3 e 7.79
7.77
~~7.87~~ 7.78

13 48 Clearer again

New algol Var. 5"

13 51 a 3.5, 2 b 9.32

Ceres 5"

14 02 a 5, 3 α' 7.5
7.7
7.6
see Durch.

a = −18.4586 (7.0)
α' = −18.4547 (8.0)

SS Cygni 5"

14 13 ⊙ 2 var 11.97

Apr. 25, 1904

S^1 Sagittarii

5''

14 23 — m 3 V.S^1 11.3 ci 7 x dot.

14 ~~48~~ Too cloudy for further observations.

15 00 All cloudy

(22) (16 30) R.P.

April ~~25~~ 30, 1904. (Saturday HCO)
JD ~~[illegible]~~6601 L.C. Obs.

U Orionis
8 07 6.51 / 6.42 / 6.46 e 5, 2 f 5" & Fog

S' Cam Mi. 5"
8 38 9.57 / 9.61 / 9.59 b 3, 0.5 k

V Cephei Fog.
8 39 6.40 / 6.20 / 6.30 b 3, 3 c

R Leonis 5"
8 57 7.43 / 7.17 / 7.30 m 2, 3 n

R Bootis Fog m
9 17 a 3, 2d 7.20 / 7.24 / 7.22

R Coronae Fog m
9 18 b 2, 0 c, 3 d 5.76 / 5.94 / 5.85 / 5.85

R Hydrae Fog. m
9 19 5.48 / 5.08 / 5.28 b 4, 2 k

9 45 Moon up rather high now, therefore making sky very bright & difficult to observe m.

(15) — (1645) L.P.

May 2, 1904 (Monday)

JD 6603 L.C. Obs. HCO

7 00 Twilight strong.

R Can Ven 5''
8 55 h 3, 1 k, 3 l 9.23 9.03 8.89 9.05

Pallas. 5'' see Sunday
9 00 ε 3, 2 η

U Cygni. 5''
9 02 e 3, 2 f 8.07 8.16 8.12

S Coronae 5''
9 03 h 3, 2 k 8.44 8.27 8.36

T Ophiu FLG
9 05 d 3, 2 e 6.98 6.92 6.95

R Hydrae FLG
9 06 h 4, 1 k 5.48 5.18 5.33

R Bootis FLG
9 07 c 0, 3 d 6.90 7.14 7.02

May 2, 1904

+7°.3404 5-''

New algol var.

9 33 a 3, 2 b 9.3

5''

T Herculis

9 37 c 1, ~~4~~ l 7.27 / 7.42 / 7.34

R S' Cygni 5-'' m up

10 13 m 2 var, 9.25

R Camelop 5'' m

10 34 e 5, 1 f 10.32 / 10.22 / 10.27

S' S' Cygni 5'' m

10 48 g 4 N

Altitude quite low, and moon rather bright now,

S' Urs Maj 5'' m

11 12 e 4, 2 f 8.26 / 8.30 / 8.28

T Urs Maj 5-'' m

11 13 10.10 / 10.20 / 10.18 k 3, 2 l (26) (1671)

May 3, 1904 (Tuesday)
JD 6604 Campbell Obs. H.C.O.

8 05 Looked at Comet a 1904
Comet looks some fainter to me tonight as respect~~s~~ to former brightness.

Pallas 5"
8 57 ε 5, 1 η

Algol. II +7°.3404
5"

9 21	.598	b 3 var.	9.9	a 6 b b 6 c c 4 d
9 05	.622	b 6, 0 c	10.2	
10 24	.642	c 5, 0 d	10.6.	
10 56	.664	d 3 var	10.9	

Var now just barely seen.
moon rising.

11 02 Also some cloud in the east.

(8) 167 A

11 30 Sky too cloudy for est. now

May ~~3~~ 4 1904 (Wednesday)
JD 6605 Campbell Obs ~~[illegible]~~

---

7 00 Twilight strong

U Orionis H.G.

8 05 ℓ 4, 2 f 6.41
6.42
6.42

R Leonis 5"

8 35 m 2, 3 m 7.43
7.17
7.30

R Aurigae 5"

8 37 ℓ 3, 2 f 8.46
8.62
8.54

S Urs Min 5"

8 42 ~~[illegible]~~ f 4, 0 g faint 11.0

R Draconis 5"

8 43 n 5, 0 0 11.06
10.97
11.02

May 4, 1904

R Virginis 5"

9 38 p 5, o q 10.71
10.59
10.65

U Virginis 5"

9 41 h 3, 2 k 9.28
9.00
9.14

R Camelop. 5"

9 43 e 3, 3 f 10.12
10.02
10.07

+7.3404 5"

10 10 a 4, 3 b 9.3

S Serpentis 5"

10 17 Var not seen < 11.5

R Cygni 5"

11 08 m 3 var 9.35

T Herculis 5"

11 00 c 4, 2 e 7.57
7.52
7.54 recorded next day from memory.

(21) (1699) L.P.P.

May 6, 1904 (Friday)
D 6607 L.C. Obs. H.C.O.

7 00 Very strong twilight now

at a ~~little~~ past 8 o'clock box 72 rang in for small fire in yard

~~U U~~

R Can Ven 5-4
8 20 h 0, 3 k 8.93 / 8.83 / 8.88

U Orionis ~~5-4~~ FH
8 22 e 3, 2 f 6.31 / 6.42 / 6.36

R Hydrae FHS-
8 23 k 3, 0 l 5.58 / 5.57 / 5.58

R Bootis FHS.
8 24 c 3, 3 d 7.20 / 7.14 / 7.17

R Coronae FHS-
8 25 c 3, 1 d 6.24 / 6.05 / 6.14

R Camelop 5
8 32 9.70 / 9.62 / 9.66 d 2, 2 e ~~7.88~~ / ~~7.82~~ / ~~7.85~~

May 6, 1904

+7.3404 5''

10 09 a 4, 2 b 9.3

τ Herculis 5''

.10 11 ~~c~~ 3, 3 e 7.47
7.52
7.50

R Serpentis 5''

10 18 f 3, 3 g 9.4
9.2
9.3
Ci 74 Not.

.10 26 Z Cygni Ci 74 Not.

→ l 2, 2 m 9.7
9.5
9.6

(20) (1719) L.P.

May 7, 1904 (Saturday)

JD 6608 Campbell Ob. H.C.O.

---

7 00 Twilight still strong.

7 30 twilight too strong yet

Pallas

8 50 E 2, 3 D 8.5 5"

7.3404 5"

9 03 a 5, 2 b 9.5

S Librae 5"

9 58 f 1, 3 g 8.54
8.33
8.44

RR Librae 5"

10 42 b 5, 4 c 8.3

SN Cygni 5"

11 00 k, n

T Urs Maj 5"

9.17
9.55
11 03 9.36 h 0, 3 k

S Urs Maj 5"

8.50
8.43
11 04 8.46 f 0, 4 g

May 7, 1904

R Scuti A.F.G.

11 07 d 2, 3 — 5.39

5.35

5.37

(14) (17 33)

L.P.W.

May 11, 1904 (Wednesday)
L. A. Obs
J.D. 6612
H.C.O.

8 00 Partly cld & growing worse
too cloudy for work.

8 18 All cloudy.

May 12, 1904 (Thursday)

JD 6613 L.C. Obs HCO

7 15 Twilight too strong for observing yet.

V Cephei [illegible]

8 47 a 2, 3 d 6.70
6.88
6.79

14.1904 Cygni 5"

10 43 .613 see C's chart.

a 2, 1 b .90
.98
.94

11 20 Auroral streamers in NW.

12 00 Midnight Lunch

14.1904 Cygni 5"

12 14 .718 a' 1, 2 a, 3 b .60
.60
.78
.59

R & S Scorpii 5"

12 24 N.S. (either one)
< 11.5

S Ophiuchi 5"

12 37 Var not seen < 10.5
some fog on objective

May 12, 1904

R Ophiuchi 5-9

12 44 ~~Var~~

Var. glimpsed only.

11.86 v 3 var.

R Scuti ~~F.S~~

12 47 5.59 5.60 5.60 d 4, a 5 ~~e~~

R Aquilae ~~F.S~~

12 49 c 3, 2 d 6.92 6.80 6.86 os Old Not.

R & S' Sagittarii 5"

12 58 ~~*~~ R not seen < p

12 59 S' Not seen < e = ca > x Not.

R Delph 5-"

~~13 05~~ 13 03 ~~*~~ N.S. < m

14. 1904 Cygni 5"

13 05 .753 a' 2, 1 a, 3 b .70 .70 .78 .73

May 12, 1904

SS Cygni. 5"

1307 11.62 / 11.77 / 11.70 n 3, 05 (ft)

R Vulpec. 5"

13 10 8.09 / 7.87 / 7.98 d 3, 2 e

V Delphini 5"

13 22 d 5 v

d = red notation on chart with blue label.

S Delph. 5"

1328 m 2, 2 m Ci 74 Not

10.8 / 10.9 / 10.85

T Delph. 5"

~~Ci~~ 74 Not

13 33 m 2 N.S.

1345 Clouds in East & near zenith.

May 12, 1904

14 22 Clearer now

14.1904 Cygni 5″

~~a1~~

14 26 .810 a″ 4, 1 a′ .40 .40 .40

Ceres 5″

14 37 b_1 = −20.4742 (7.3) = 7.18 a' − 20.4750 (8.1) b 6, 2 a′ see chart (Dm)

S Lacertae 5″

14 45 g 3, 2 h 9.0 8.7 8.85 Cir > 4 Not.

14 46 Auroral streamers extending 20° up from horizon in the North. Much more intensified than those at 11:20

T Androm 5″

14 53 10.26 9.95 ~~20.19~~ 10.10 l 2, 3 m

May 12, 1904

R Androm 5''

14 56 k 3, 2 l 8.95 / 8.77 / 8.86

R Lacertae 5''

15 03 h 3, 2 k ar 74 Not

10.2 / 10.0 / 10.1

14, 1904 Cygni. 5'''

15 06 .837 a'' 3, 2 a' ~~.88 / .88 / .88~~ 30 / .30 / .30

twilight approaching

15 10 Impossible to do anything more as twilight is coming so fast.

(35)–(1768) L.P.P.

May 13, 1904 (Friday)

JD 6614 L.C. Obs. H.C.O.

7 15 Twilight too strong.

1K.1904

5-''

8 29 .562 a' 3, 0 a .80 .80 .80

5''

9 21 .598 a 3, 2 b 1.00 .80 .99

10 12 Cloudy. 5'' quite foggy.

(4) (1772)

L.P.

May 16, 1904 (Monday)

JD-6617 L.C. Obs. H.C.O.

7 15 Twilight strong & some clouds

L.C. too ill to observe tonight; went home at 9:00

May 20, 1904 Friday

JD 6621 L.C. Obs. HCO

7 15 Cloudy & twilight strong.

9 10 Clearer

~~R Hydrae FLE~~

9 23 ~~Ryl 3, 2 —— clds~~ ~~[illegible]~~

R Coronae FLE.

9 24 c 3, 2 d 6.24
5.95
6.10

R Bootis FLE.
faint

9 32 e 4, 0 f 8.28
8.24
8.26

R Hydrae FLE

9 34 m 4, 0 n 6.25 Clearer
6.33
6.29

7.3404 5"

9 40 93 a 3, 3 b

9 48 Clouds over greater part of Eastern sky.

May 20, 1904

T Cephei 5"

9 42 e 2, 3 f 7.32 / 7.39 / 7.36

U Cygni 5"

9 43 d 2, 4 e 7.31 / 7.37 / 7.34

S' S Cygni 5" high power

9 46 1.1 m 2 n low alt.

T Herculis 5"

9 49 8.22 / 8.10 / 8.16 e 4, 0 f [illegible]

R S Cygni 5"

9 56 m 2, 3 n 9.25 / 9.08 / 9.16

14.1904 5"

9 59 a' 3, 0 a

10 37 a. 2, 2 b 5"

6 58 a 4, 0 b 5"

May 20, 1904.

SS Cygni 5"

10 59 11.97 / 11.94 / 11.96 o 2, 2 p alt. higher.

high power used

R Aquilae 5ft

c's old Not

7.0

11 00 c 2, 3 d

R Scuti ft

5.49 / 5.55 / 5.52

11 02 d 3, 1 e

(28) (1800)

L.P.

May 21, 1904 (Saturday)

JD 6622 L.C. Obs. H.C.O.

7 20 p cld & strong twilight.

7 35 Cloudy

8 00 Raining.

8 35 Clearing from N.W.

[illegible] 14.1904 5"

8 43 a 1, 3 b

T Urs. Maj. 5"

8 45 e 2, 3 f 8.20 8.04 8.12

S Urs Maj 5"

8 46 d 2, 3 e 7.72 7.56 7.64

May 21, 1904

14.1904 5''

9 19 a' 3, 2 a

~~4, 1~~

+7.3404 5''

9 20 a 3, 3 b $\underline{\underline{9.3}}$

T Herculis 5''

9 24 f 2, 2 g $\frac{8.39 \quad 8.19}{\underline{\underline{8.24}}}$

14.1904 5''

9 38 a 1, 3 b

R Serpentis 5''

9 57 $\frac{8.55 \quad 8.60}{\underline{8.58}}$ d 1-2, 2 e Cir 74 Not

R aquilae Flg

10 30 c 3, 2 d $\underline{\underline{6.8}}$

R Scuti FRg. L.P.

10 31 $\frac{5.59 \quad 5.55}{\underline{\underline{5.57}}}$ d 4, 1 e L.P.

SS Cygni 5''

5 32 $\underline{11.2}$ m 3 $\underline{n}$ (20) (1820)

May 23, 1904 (Monday)

JD 6624 L. C. Obs. H.C.O.

7 15 Busy showing visitors the instruments till 7:45 (The Cantabrigia & Gilman School classes)

8 00 Quite cloudy too much so for work as yet.

S S Cygni 5"

9 12 f, n low hazy

9 14 ~~X~~ 7.° 3404 ~~do~~ 5"

a 3, 3 b

R Hydrae HZ.

9 17 (m 3, 1 n 6.15
6.23
6.19

R Coronae HZ.

9 18 b 4 var 5.96

clds near c & d

9 23 Too cloudy to continue

L.C.P.

(5) (1825)

May 24, 1904 (Tuesday)

J.D 6625   L.C. Obs.   H.C.O.

7 15 P. cld & strong twilight.

8 00 Still ~~too~~ cloudy & hazy

8 30 Clearer in N.W.

R Leonis 5" b.m

9 20 6.92 ✓ 6.68 ✓ 6.80 k 3, 2 l — Var very red

V Leonis 5"

9 40 too faint in haze & moonlight

~~R~~

SS Cygni 5"

10 23 l, n 11.0

RS Cygni 5"

10 25 8.88 8.60 8.74 k 3, 2 l

T Herculis 5"

10 26 8.61 8.39 8.50 f 5, 0 g

May 24 1904

Pallas 5" m

(041 $\lambda = +26.2797$ (8.1)
$\mu = +2\overset{7}{6}.2593$ (8.0)
λ 4, 1 μ see Ducht.

8.5
7.9
8.2

7.340 ℓ 5-4
m
(057 a 3, 3 ℓ 9.3

(10) (1835) L. P. P.

May 27, 1904 (Friday)

JD 6628 L.C. Ob. HCO

7 20 Strong twilight & moonlight.

R Leonis ~~[illegible]~~ 5" m

8 00 6.73 6.62 6.68 h 3,0 k

Var very red.. Twilight still strong here

R Hydrae 5" m

9 07 m 2 var. 6.53

R Virginis 5" m

9 14 8.58 8.75 8.66 k 0,2 l ~~8.88~~

U Virginis 5" m

9 26 e 3,1 f 8.45 8.36 8.40

R Camelop 5" m

9 30 9.27 9.30 9.28 ~~d~~ c 2.2 ~~e~~ d ~~9.70~~ 9.62 9.66

recorded d, e, for c, d.

May 27. 1904

S S Cygni ~~III~~ 5" m

10 32 o 2, 2 p

11.97
11.94
11.96

R S Cygni . 5" m

10 34 l 0, 3 m

8.80
8.75
8.78

7.3404 5" m

10 36 a 4, 2 b

T Cephei 5" m

10 38

6.98
7.12
7.29
7.13

d 3, o e, 4 f

varied

(18) (1853) L.P.P.

May 28, 1904 (Saturday)

J.D. 6629 L.C. Obs. H.C.O.

7 30 Twilight & moonlight strong.

8 06 R Leonis ~~D~~ 5" m

h 3, 1 k 6.73 / 6.52 / 6.62 Varied

8 10 R Bootis 5" m

region high

f 2, 2 g 8.44 / 8.24 / 8.34

8 ~~17~~ 22 T Urs Maj 5" m

~~d 0, 6 e~~

c 2, 3 d 7.50 / 7.28 / 7.39

8 18 δ Urs Maj 5" m

d 3, 2 e 7.82 / 7.66 / 7.74

8 51 R Urs Maj 5" m

l 1, 3 m 8.90 / 9.13 / 9.02

May 28, 1904

R Coronae Ft 9 m
8 55 b 3, 1 c 5.86 / 5.84 / 5.85

R Serpentis 5" m
9 02 0.3 d, 3 e 8.35 / 8.50 / 8.42 Ai 74 / Not

SS Cygni 5" low moon
9 23 9.9 g 3 N
some haze.

9 48 10.6 k 2 N 5" m
some light haze still

10 15 10.9 m 0 N 5" m
clearer Cygni higher now.

10 28 11.5 n 2 N 5" m
clearer than in previous ests.

(14) (1867) L. P. P.

May 31, 1904 (Tuesday)

JD 6632 — L.C. Obs. HCO

8 50 Clear now, but cloudy early part of the evening!

8 55 Some clouds in West.

SS Cygni 5 9

9 27 var = b 8.12

Clear observation made hastily through gap in clouds, but same considered pretty good

10 00 Cloudy

(1) (1868) L.C.P.

June 3, 1904 (Friday)

J.D. 6635 L.C. Obs. H.C.O.

7 25 Some fog & clouds. Twilight strong.

R Coronae H.G.
8 35 b 1, 3 c
5.66
5.64
5.65

8 38 Sky fogging up from the east

U Cygni 5"
8 40 d 0, 5 e
7.10
7.27
7.18

R Serpentis 5"
8 46 8.0 8.1 8.0 e 6, 3 d ai 74 Not.

R Hydrae 5"
8 48 m 5, 3 p
6.83
~~8~~6.73
6.78

RW Cygni 5"
8 50 ~~8.8~~ k 3, o 1, e m
8.90
8.65
8.78

June 3, 1904

T Cephei 5"
8 52 d 3, 1 e 6.98 / 7.02 / 7.00

T Herculis 5"
8 58 h 0, 3 k 8.69 / 8.64 / 8.66

R Virginis 5"
9 04 g 3, 1 h 8.18 / 8.10 / 8.14

SS Cygni 5"
9 08 a 5, b 2, 3 c 8.50 / 8.52 / 8.20 / 8.41
Var low, sky murky Obs ½ wt.

9 40 Cloudy

10 00 Clearer

SS Cygni 5"
10 10 b 3, 0 c 8.62 / 8.50 / 8.56 better than previous.

June 3, 1904

R Scuti H T G.
1012 d 3, 2 e

5.49
5.45
5.47
H L G

R Aquilae.
1014 d 4, 0 e

Cs' old Not.

(26)(1894) L.A.D.

June 4, 1904 (Saturday)

JD 6636 LC-Obs HCO

9 25 cloudy till 9M then clearer but cloudy again at 9:15 when I arrived here.

9 35 All cloudy nothing can be observed now at least.

10 10 All cloudy

June 9, 1904 (Thursday)

JD 6641 L. C. Obs. H. C. O.

Comparison Stars for
Iris used with Phot. X
on 5" telescope

α = 17.1561 (7.7)
β = 16.1466 (8.1)
γ = 18.1610 (7.0) ——
δ = 18.1569 (8.8) ——

Dec 28, 1903.

7 30 c loud. Quite c

8 15

ABG
lear here

9 00

5
clear here

9 07
i) X-II
Notation
5"

-0
-7
-8

9 20 laces.
1000 " clearer now

10 06 .6 3
0-7 2
0.66
5"

RS Cygni

10 08 k 2. 2 l
8.78
8.60
8.69

June 9, 1904 (Thursday)

JD 6641 L.C. Obs. H.C.O.

7 30 Strong twilight and some cloud. Quite cool easterly wind.

8 15 Too hazy & cold

R Coronae

A.S.

clear here

9 00 b 3, 1 e 5.86 5.84 5.85

R Serpentis 5 clear here

9 07 8.0 7.9 8.0 c 3, 5 d

Ai 7K–II Notation

U Cygni 5–"

d 4, 3 e 7.50 7.47 7.48

9 20 clearer in places.

1000 SS Cygni 5" clearer now

10 06 k 2, 2 l 10.63 10.72 10.66

RS Cygni 5–"

10 08 k 2, 2 l 8.78 8.60 8.69

June 9, 1904

R Aquilae F.T.G.
10 15 e 2, 2 f c's Old Not
clear

R Scuti F.T.G.
11 16 6.43
6.54
6.48 f 3, 2 g clear

11 00 Clearer now than at any time this evening. but too busy at 5" for ests. or meas.

R Vulpec. 5"
12 30 m 2 n clear

R Androm 5"
12 34 9.80
9.97
9.88 q 0, 2 r

(16) (1910) L.P.

June 10, 1904 (Friday)

JD 6642 L.C. Obs. H.C.O.

7 40 P.cld. & twilight still strong.

Pallas 5"

*1 =

8 [illegible] 9.2 : *(1) 4, 2 *(2) see Dun chart
8.9
9.0

Aquitania 5"

a = +4°.3280 (9.5)

9 15 10.0 a 4, 4 b

see photo plate & C's chart

S S Cygni 5"

11.0 3 11.00 m 1, 3 n 11.42
11.02 11.47
11.01 ~~11.44~~

(6) (1916) L. P. P.

June 11, 1904 (Saturday)

JD.6643 L.C. Obs. HCO

7 50 Clearer now, but twilight strong.

Pallas 5″

8 26 (* 3) 4, 3 (* 1) region high

*3 = +25.3003 (8.1) & some twilight.

R Hydrae 5″

8 30 6.63 / 6.60 / 6.62 m 3, 2 p

R Bootis 5″

8 32 9.44 / 9.38 / 9.41 l 2, 3 m

T Herculis 5″

8 36 9.45 / 9.34 / 9.40 l 3, 1 m

+7.3404 5″

8 37 a 3, 3 b

V Ophi HB

8 44 6.80 / 6.78 / 6.79 c 3, 4 d

June 11, 1904.

Aquitania 5"

9 26 asteroid 1 a see C's chart.
" 4 c

SS Cygni 5"

9 53 11.52
11.57
11.54 n 2, 2 o

R aquilae 5"

10 00 9.0 k 4, 3 l C's old Not

(18) (1934) L.P.P.

June 13, 1904 (Monday)

J.D. 6645 L.C. Obs. HCO

7 30 Strong twilight

8 00 Still twilight

8 16 Pallas 5''
(*3) 4, 3 (*1) = 8.6
some twilight still
but obs. considered good

8 23 T Cephei 5''
e 3 . 3 f 7.42 7.39 7.40 Var very red

8 25 R Serpentis 5''
b 0, 2 c 8.0
Ai 74 Not

Aquitania

9 10 a 3, 2 d see C's chart of photog. plate.

9 20 R Coronae Fth.
f 1, 3 e 5.66 5.64 5.65

June 13, 1904

R Camelop 5''

9.02
9.10
9.06

9 23 c 0, 4 d

10 01 R S Cygni 5''

9.10
8.85
8.98

l 3, 2 m

02 S S Cygni 5''

11.97
11.94
11.96

o 2, 2 p

03 U U Cygni 5''

α 3, 3 β

S Z Cygni 5''

10 9.4 l 3, 0 m

Neago. Not.

11 R Scuti F9

6.53
6.64
6.58

f 4, 1 g

10 12 R Vulpec 5''

10.19 m 4 var

n not on chart

June 13, 1904

R Ophiuchi 5''

10 16 o 3, 2 p

10.50
10.49

10.50

R Cassiop 5'4

9.80
9.83

9.82

11 03 n 4, 1 o

Ceres 5''

11 10 b 4, 4 a

$b = -21.4449 (6.5) (6.83)$

$a = -21.4428 (8.0)$

see the chart
15-16 hours

7.23
7.60

7.42

(29) (1963) L.P.P.

June 14, 1904 (Tuesday)
JD 6646 L.C. Ob. H.O.

---

11 00 Just arrived to observe late Variables

SS Cygni 5''
11 17 o 2, 3 p
11.97
11.84
11.90 [illegible]

R Scuti
11 19 f 5, 0.5 g
6.63
6.69
6.66

T Aquarii 5''
11 27 p 2+2, 2 s
10.81
10.82
10.82

Z Sagittarii 5''
11 40 air 74 | Not.
10.6
10.3
10.45 h 3, 2 k.

W Aquarii 5''
11 47 c 1, 4 b photog Not.

S Lacertae 5''
air 74
11 56
8.1
7.8
7.95 b 1, 3 c

R Lacertae air 74.
12 02
9.1
8.9
9.0 d 3, 1 e 5''

June 14, 1904.

R Pegasi 5"

1210 f 4, 3 n 10.48
10.59
10.54

T Pegasi 5"

1218 k 2 n Cir 74 II

V Pegasi 5"

1227 f 6 var Photog No +.

R Capric. Cir 74 — II

1237 If Var is surely seen
est =
f 3, 0 g 10.1
10.0
10.05

U Capric 5" Cir 74 — II

1247 f 2 n

S Pegasi 5"

1256 o 5 n 10.6

June 14, 1904

T Androm 5"
r 3 var 11.84
1302 s 0 var 11.77
11.80

Var = s just seen.

R Androm 5"
1307 q 2, 4 s 10.00
10.18
10.09

~~R~~ T Cassiop 5"

1312 p' 3, 3 q 12.08
12.06
12.07

U Cass. 5"
1319 8.2 a 1, 5 b
7.9
8.05
ar 74 — II

U Persei 5"
ar 76 — II
1327 g 2, 0 h 9.9
9.7
9.8

June 24, 1904.

Y Cass 5''

1335 f 3 n photog Nat.

W Capri 5''

1343 h 1 n Cir 74-II

T Capri 5''

1410 9.3
9.1
9.2 e 3, 2 f Cir 74-II

Y Capri 5''

1420 g 2 n Cir 74-II

U Aquarii 5'' Cir 74-II

1426 10.4 d 3 var
e not seen

1430 Twilight coming

June 14, 1906

R Arietis 5-''

14 35 8.09 d 3, 2 e
8.03
8.06

R Trianguli 5-''
9.6 k 2 N ai > 4 H

14 42

S Aquarii
14 50 Twilight too strong.

14 55 Cannot get any more variables

(34) (1997) L. P. P.

June 15, 1904 (Wednesday)
J.D. 6647 L.C. Obs H.C.O.

R Leonis 5"
8 35 e 2, 2 f
5.84
5.64
5.74

R Virginis 5"
9 02 f 5, 0 g
8.06
7.88
7.97

U Virginis 5"
9 04 c 4, 0 d
7.96
7.85
7.90

R Hydrae 5"
9 06 p 2, 3 r
7.23
7.52
7.38

T Urs Maj 5"
9 07 d 2, 3 e
7.78
7.70
7.74

S Urs Maj 5"
9 08 e 2, 3 f
8.06
8.20
8.13

R Urs Maj 5"
9 10 e 2, 3 f
7.28
7.18
7.23

June 15, 1904.

R Can. Ven. — 5"

9 17 — e 4, 2 f — 8.53
8.26
8.40

(16) (2013)

L.P.

June 17, 1904 (Friday)

JD 6649 L.C. Obs. HCO

7 30 Strong twilight as yet.

Pallas 5"

8 28 (4) 4, 1 (5)

*4 = +25° 2294 (8.3)
*5 = +26, 2748 (8.9)

See Dm chart for Not.

Aquitania 5"

8 53 If ~~ident is correct~~

~~est =~~

~~e 0, 5 f~~

Wrong object. ~~see Photog Plate~~

SS Cygni 5"

9 41 n 3, 0 0

11.62
11.77
11.70

R Cygni 5"

9 45 l 2, 3 m

9.00
8.75
8.88

Aquitania 5"

10 34 f 1, 4 e

Correct ident.
O.K.

June 17, 1904.

DM + 3. 3281 9.4

10 50 Susp * = 4 > + 3. 3277 (9.1) = b

~~Va~~

Susp * = +~~4~~. 3258 (9.3) = a

R Scuti H.P.

11 00 9 2, 2 h 6.94
6.87
6.90

H.P.

R Coronae

11 01 b 3, 0 c 5.86
5.94
5.90

(14) (2027) L. P. P.

June 1st 1904 (Saturday)
L.C.

J.D. 6650

7 35 Rather cloudy

7 45 " "

~~t h~~

~~8 00~~ still too cloudy

+3. 3281 (9.4) 5"

8 53 a 0, 4 b

Aquitania 5"

8 55 f 3, 3 e

U Serpentis 5"

9 07 d 2, 4 e Photog 188

X Ophiuchi 5"

Cir 74 ~~II~~

10 12 b 0, 5 c

June 18, 1904

T Ophiuchi 5'' 1

10 22 f g 2 n 74—II

S Ophiuchi 5''

10 23 f 3 n 74—II

S.S. cygni

10 50 σ 0, 3 p. 11.77
11.84
11.80

(10) (2037) L. P.

June 20, 1904 (Monday)

Students to be here this evening till. 10.30

Became somewhat cloudy & increasing after 9 P.M.

10 35 Some fifty or sixty students here.

June 21, 1904 (Tuesday)

Senior Night -

10 15 Some 50 students here

June 23, 1904 (Thursday)

JD 6655 L. C. Obs. H.C.O.

7 35 Strong twilight now.

Pallas 5"

8 38 (6) 1, 3 (7) see DM.
*6 = +25. 2980 (8.8)
*7 = +25. 2979 (8.9)

Aquitania

8 48 Impossible to identify it
Position not accurate enough

U Serpentis 5"

9 04 Photog

d 3, 1 e. 8.1

R S Librae 5"

9 07 Too near moon

Z Bootis 5

9 17 a 3, 3 b photog A.3

June 23, 1904.

S Bootis 5-4

9 23 f 1, 2 g $\frac{9.77}{\frac{9.98}{9.88}}$

(142539) V Bootis

9 31 α 6, 3 b $\underline{7.5}$

α = Cé star
b = photog
see chart of C.

V Coronae

9 43 $\frac{8.7}{\frac{8.5}{8.6}}$ d 2, 3 e Cir 74 II

RR Herculis Cir 74 — II

9 51 c 3, 2 d $\underline{\underline{8.8}}$ 5-4

RU Her. Campbell's Not.

10 02 h 3 $\underline{\underline{v}}$

Z Ophiuchi photog not

10 20 h 5 var. $\underline{\underline{11.0}}$

June 23, 1904

T Sagittae 5"
10 48 f 4, 1 g 9.6/1 Cir 74 II

S Aquilae 5"
11 03 h 4, 3 k 9.5/ Cir 74 II

R Scuti FLG
11 04 f 3, 2 g 6.43
6.54
6.48

R Cygni 5"
11 10 g 3, 2 h 8.47
8.08
8.28

RW Cygni 5"
11 13 ~~b 4, 4 e~~ 8.8/1 Cir 74 II
Var very red

SS Cygni 5"
11 18 o 3, 1 p 12.07
12.04
12.06

(27) (2064)

June 24 1904. (Friday)

JD 6656 L.C. Ob. H.C.O.

7 40 Strong twilight & moonlight.

R Leonis 5'' m
8 45 var 5 f. 5.34

9 08 R Virg. 5'' m
e 2, 3 f 7.29
7.26
7.28

9 12 U Virg 5'' m
c 0, 3 d 7.56
7.55
7.56

S Bootis 5'' m
9 53 f 5, 1 g 10.17
10.08
10.12

V Bootis 5'' m
9 57 α 4, ~~4 3~~ 6 7.4

June 24, 1904

U Bootis 5 11 m

1008 e 1 N Ci 74 ~~II~~

T ~~Camelop~~ Draconis Ci 74 II

1052 h 1, 6 k 90

(11) (2075) LNP.

June 27, 1904 (Monday)

JD. 6659 H.C.O.

) 35 Strong twilight & some light cloud

m

R Leonis 5"

8 20 e 1, 5 f 5.74
5.34
5.54 twi.

m

R Urs Maj 5"

8 54 e 4, 1 f 7.48
7.38
7.43

R S Librae 5" m

9 21 6.6 c" 1, 2 c' ~~1.7~~ Cas Not. 8 Chart used.

R Hydrae 5" m

9 24 7.64
7.77
7.70 g 3, 0.5 r

Z Bootis 5" m

9 33 A3 a 2, 2 b photog ~~Not~~

T Draconis 5" ai 74 — II

9 38 10.3 h 5, 1 k

June 27, 1904

R Librae $\underline{\underline{m}}$

9 47 e 1 $\underline{\underline{n}}$ 5″ Campbell's Not

R U Librae 5″ m

9 55 Var susp only. photog Not
is surely seen est =
g 5 var $\underline{\underline{10.8}}$

R U Virg 5″ $\underline{\underline{m}}$
C's Not

10 04 f 3 $\underline{\underline{n}}$

R T Virg 5″ m
~~c′ 3, 3 d~~ Ca's Not

10 10 d 3, 3 c′ $\underline{\underline{8.9}}$

T Can Ven 5″ m

$\underline{\underline{9.0}}$ c 3, 2 d C's Not

10 17 R S Virg 5″ m
Photog Not

10 25 f 5, o g

June 27, 1904

T Urs Maj 5" m

10 28 | 8.30 | e 3, 2 f
8.14
8.22

S Urs Maj 5" m

10 30 | 8.26 | e 4, 1 f
8.40
8.33

R Can Ven 5" m

10 32 | 8.00 | d 2, 2 e
7.93
7.96

W Ophiuchi 5" m
C's No 8

Var susp only. If surely seen
est =

10 43 f 2 var 10.8

U Serpentis 5" m
photog

10 48 e 2, 4 f 8.4

R Serpentis

a' 0 var ca 74 II.

10 55 4 var 7 b 2.0

for a' see C's chart

June 27, 1904

Z Ophiuchi 5" m
photog Not

11 00 h 3 var 10.7

S Urs Min 5" m
photog Not

11 09 e 2, 3 f 10.2

9.60
9.42
9.51 R Camelop 5" m

11 12 d 1, 4 e

9.97
9.98
9.98 S Bootis 5" m

11 14 f 3 2 g

6.24
5.95
6.10 R Coronae ~~5~~ ~~Dr~~ m

8 50 c 3, 2 d

(39)(2114)

Monday (July 11, 1904)

JD 6273 L.C. Obs. Vermont

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8 10 Mounted telescope but sky still rather bright.

R N Cygni 5"

8 27 8.05 8.05 7.87 3|23.97 7.99 e 3, 1 f, 3 g Var red

U Cygni 5"

8 30 6.54 6.70 6.62 c 0, 4 d Var red

T Herculis 5"

8 45 11.37 11.55 11.46 f 4, 1 g

R Urs Maj 5"

8 50 7.08 7.18 7.13 e 0, 3 f

T Urs Maj 5"

8 53 8.44 8.54 8.49 f 1, 3 g

S Urs Maj 5"

8 55 8.70 8.73 8.72 f 2, 1 g

July 11, 1904

R Virginis 5"

9 05 7.49 / 7.56 / 7.52 e 4, 0 f

U Virginis 5"

9 15 8.92 / 8.78 / 8.85 g 2, 2 h

R Cancri 5"

9 21 7.54 / 7.46 / 7.50 b 4, 0 c

S ~~Bootis~~ 5"

9 26 9.22 / 9.37 / 9.30 e 1, 3 f

R Bootis 5"

9 30 11.48 / 11.53 / 11.50 g 2, 2 r

R Coronae F/G

9 33 5.94 / 5.85 / 5.90 c 0, 3 d

R Scuti F/G

9 35 5.85 / 5.83 / 5.84 e 2, 3 f

July 11 1904

R Serpentis ~~[illegible]~~

9 40 6.0 α 4, 2 β see Schönig

R Ophiuchi 5″

9 43 9.31 / 9.23 / 9.27 l 1, 3 m

R aquilae Cir 74 – II 5″

9 52 9.0 g ~~oH~~ f

S S Cygni 5″

9 55 11.10 / 11.02 / 11.06 m 2, 3 n

seeing here fine
o & p very easily
seen with low
power.

R Vulpec 5″ – high power

10 00 12.34 / 12.47 / 12.40 t 5, 6 u

T Aquarii 5″

10 05 9.78 / 9.49 / 9.64 σ 3, 3 p

T Ophii 5″

10 10 8.32 / 8.58 / 8.45 h 2, 2 p

July 11, 1904

10 20 Tried for R Cass but could not identify region too many stars visible.

10 30 closed up -

Seeing excellent tonight

(41) (2155)

(Wednesday) July 13, 1904

J.D. 6275   L.C. Obs.   Vermont

8 00 mounted telescope but twilight too strong as yet.

R Hydrae 5''

8 20   8.02 / 7.74 / 7.88   r 2, 3 s

V Virginis 5''

8 50   12.55   s 2 var   region diff
t not seen. high power used

S Virginis 5''

9 00   ~~11.35~~ / 9.70 / 9.79 / 9.74   n 3. 2 p

R Comae 5''

9 17   8.96 / 8.67 / 8.82   h 0, 5 k

SS Cygni 5''

9 22   10.28 / 10.23 / 10.26   h 3, 2 k

U Serpentis 5''

9 30   f 0, l 3   8.8

July 13, 1904.

9 30-10 Slight seeing.

δ Librae 5"

10 10 h 2, 2 k 9.07
9.09
9.08

10 18 δ Serpentis 5"

l 3, 3 m 10.38
10.20
10.29

δ Coronae 5"

10 24 n 5, 2 o 9.88
10.06
9.97

10 30 Closed up for tonight.

Seeing excellent.

(17) (2172)

Thursday (July 14 1904)

6276 D.C. Obs Vermont

8 15 Mounted telescope

SS Cygni 5"

8 30 g 3, 2 h 9.82 9.78 9.80

S Cygni 5"

8 40 g 2, 3 h 10.46 10.36 10.41

R Scuti FEG

8 44 d 3, 3 e 5.49 5.35 5.42

R Coronae FEG

8 46 b 3, 2 c 5.86 5.74 5.80

R Serpentis FEG

8 47 α 2, 5 β 5.7

RS Cygni 5"

8 50 g 1, 3 h 8.27 7.98 16.25 8.12

9 00 Sky somewhat hazy now, so will attempt no further obs. tonight.

9 10 closed up. (12) (2184)

Saturday July 16. 1904

R.C.O.B. Vermont

JD 6278

8 30 Mounted telescope

8 45 R Coronae AG
b 4, 0 c 5.96
5.94
5.95

8 47 R Scuti AG
e 0, 5 f 5.65
5.63
5.64
5

8 5~~5~~0 SS Cygni
a 3, 2 c 8.30
8.30
8.30
5

8 53 T Cephei
h 3, 1 k 8.42
8.68
8.55
5

8 55 U Cygni
d 0, 5 e 7.10
7.27
7.18

8 57 T Urs Maj 5
f 2, 2 g 8.54
8.64
8.59

9 00 S Urs Maj 5
f 3, 1 g ~~8.80~~
8.73
8.76

July 16, 1904

δ Urs min 5"

9 10 10.0 e 3, 1 f cos Not = photog

R Camelop

9 15 c 4, 0 d 9.42 9.50 9.46

U Herculis 5"

9 20
10.76
10.88
11.20
32.84
10.95
r 4, c 2, 4 t

δ Herculis 5"

9 25
8.71
8.78
8.76
h 4, c k.

R Sagittarii 5"

9 30
10.37
10.23
10.30
f 5, 0 g

V Cephei [illegible]

9 32
6.70
6.78
6.74
c 2, 4 d

R Androm 5"

9 42
10.88
10.84
10.86
S 3, 2 t

July 16, 1904

T Aquarii 5^m

9 45 n 2, 3 o 9.26
9.18
9.22

R Ophiuchi 5^m

9 50 g 3, 2 h 8.48
8.38
8.43

10 00 Closed up; Seeing excellent tonight.

(33)(22, 1, 7)

L. P. P. to here.

Aug. 6, 1904 Saturday

JD 6699 L.C. Obs. L.C.

9 20 Too cld for Obs

Aug. 7, 1904 (Sunday)
J.D. 6700 L.C. Ob. A.K.D.

8 00 Some cld & hazy but will try for something.

T Cephei 5"
8 15 k 2, 1 l $\frac{8.98 \quad 9.08}{9.03}$ hazy

U Cygni 5"
8 25 e 2, 3 f $\frac{7.97 \quad 8.06}{8.02}$ hazy

RW Cygni 5"
8 29 g 4, 0 h $\frac{8.57 \quad 8.28}{8.42}$ hazy

R Coronae 5 FG
8 31 c 2, 2 d $\frac{6.14 \quad 5.95}{6.04}$

R Serpentis FG
8 33 α 5, 2 β 6.0

SV Bootis 5"
8 36 d 2, 3 e $\frac{8.98 \quad 8.82}{8.90}$ hazy

8 50 too bad to continue at present

(12)(2229) L.P.

~~Aug~~
J.D. 6701 August 8, 1904 (Monday)
L.C. Obs. H.C.O.

8 25 Some clearer.

8 35 S Coronae 5-4
f 5, 3 r
10.76
11.53
11.14

8 39 S Serpentis 5
d 2, 4 f
8.58
8.50
8.54

8 44 R Can Ven 5-4
e 2, 2 f
8.33
8.26
8.30

8 49 R Urs Maj 5-4
f 0, 3 g
7.48
7.41
7.44

8 58 S Herculis 5-4
~~k 2, 0~~
h 3, 1 k
8.61
8.68
8.64

9 01 R Ophiuchi 5-4
f 0, 2 g
7.81
7.98
7.90

Aug. 8, 1904

R Scuti HB
903 e 3, 2 f
5.95
5.93
5.94

R Sagittarii 5"
912 k 3, 0 l
8.93
8.76
8.84

R Draconis 5-"
927 g 1 var
12.11

both g & var on limit of visibility but sky here quite clear.

935 S Cygni 5-4
h 3, 0 k, 2 l
10.96
11.08
11.16
11.07

R S Cygni 5-4
937 d 2 3 e
7.71
7.45
7.58

10 15 Too Cloudy to continue

(22) (2251) L.M.B.

5" Aug 9, 1904 (Monday)

JD6702 L.C. Obs W.C.W.

Z Bootis

9 33 photog Not

d 2, 3 e

see Cé chart

Pallas see DM

10 26 α 2, 3 β $\alpha = +18^\circ.3082$ (8.8) $\beta = +18.3083$ (9.5)

T Aquarii

10 36 g 3, 2 h

$$\begin{array}{r} 8.13 \\ 7.84 \\ \hline 15.97 \\ \underline{7.98} \end{array}$$

Juno see DM

10 42 8.5 α 3, 1 β $\alpha = -4.5323$ (8.3) $\beta = -4.5324$ (8.5)

Hebe see DM

10 57 β 5, 3 α $\beta = (7.9) = -15^\circ.5755$ $\alpha = (8.3) = -15.5750$

8.2

(10) [2261]

5'' Aug. 11, 1904 (Thursday)

10 17 R Andromedae

u 3, 2 w 11.86 ✓
11.77
11.82

10 24 R Trianguli

a 0, 4 b 6.4
6.8
6.6

10 33 U Persei

a 3, 0 b 8.3
8.5
8.4

10 37 R Arietis

~~l~~ 3, 0 m 10.35
10.27
10.31

10 44 Juno

α
~~α~~ 3, 2 β 8.45

10 50 Clouds

R Cassiop 5''

11 00 f 3, 0 g 10.80
10.98
10.89

clouds

S Urs Min 5

11 10 e 3, 2 f 9.9

Aug 11, 1904

R Camelop. 5-''

11 13 b 3, 3 c 8.75
8.72
8.74

T Cassiop 5''

11 ~~2~~19 o 5, 0 p 11.52
11.32
11.42

U Cassiop. 5-''

11 23 d 4, 0 e, 3 f 9.4
9.3
9.3
9.33

R Persei 5-''

11 48 p 5, 0 q 11.3
11.1
11.2

12 05 Closed up

(2$\overset{3}{7}$)(228$\overset{4}{5}$) L. P. J.

Aug. 12, 1904 (Friday)

P 6705 L.C.OB. O.C.

T Cephei 5''
7 56 h 5, 0 k, 2 l
8.62
8.78
8.98
8.29

U Cygni 0''
8 00 d 3, 0 l
7.60
7.77
7.58

SS Cygni 5''
8.02 o 3, 2 p
12.07
11.94
12.00

S Lacertae 5''
8 17 9.4 9.2 9.3 l 2, 2 m Ci 74-4

R Lacertae 5''
8 23 10.8 10.7 10.75 l 2, 2 m Ci 74-4

R Pegasi 5''
8 29 7.47 7.42 7.44 e 1, 3 f

R Serpentis F.T.
8 30 6.1 α 5, 0 β

Aug. 12, 1904

R Santo AG.

8 31 e 4,1 f 6.05 ✓
6.03 ✓
6.04 ✓

8 35 Too cloudy for asteroids of the present time.

8 45 Clouds.

8 55 Too cloudy to continue

(17) (2301) L.P.P.

Aug. 14, 1904 (Sunday)

L C Obs ~~HCO~~

JD 6707

9 10 clear now

L T Sagittarii 5" Ci 74 – II

9 30 ✓ 9.1 9.1 9.1 f 3, 3 h

9 > f or e

✓ R T Sagittae 5" Ci 74 – II

9.43 c e 4, 2 g 9.4 9.2 9.3

R S Aquilae 5"

9 53 ✓ α=+14.4223 (8.3) β=+14.4221 (9.0) α 4, 3 β = 8.6 see Dri chart

R S Delph 5"

10 03 ✓ α=+16.4348 (9.4) β=+16.4354 (9.5) α 3, 3 β = 9.8 See Dm

~~L T Delph~~ 5"

10 10 ✓ <10.6 ~~k 5~~ l 3 m Ci 74 – II

R W Aquarii 5"

10 17 ✓ 10.5 b 5, 3 d Cin photog Not.

Aug. 14, 1906

✓ L V Aquarii 5"

10 ±30 8.3 / 8.8 / 8.55 C 3, 2g cir 74–~~4~~

L V Delph. 5"

10 38 ✓ Var susp. but it had better be looked at with the 15"

L V Pegasi 5"

10 47 ✓ 100 e B, 2f Photog Not.

11 00 too much dew on objective to continue.

(14) (23 15)

L. P. P.

Aug. 15, 1904 (Monday)

JD 6708 L.C. Obs. H.C.O.

5"

✓ Y Androm 5" Cs Not

11 10 9.9 / 9.5 / 9.7 = 10.0 d 5, e

X Cassiop 5" Cs Not

11 22 ✓ c 3, 2 d

W Androm 5" Cannot Not

11 31 D 3 var Cs Not

S Persei 5"

11 38 ✓ 10.88 / 11.13 / 11.00 k 2, 2 l

0243 56 V Persei 5"

11 45 ✓ l 3, 2 m 10.0

Nova Per. 5" ff

11 52 ✓ A 44 3, o H 406 11.9

Aug. 15, 1904

T Camelop.

12 12 Impossible to identify region
some fog & haze low. in E & NE

12 40 Tried several variables
but fog & dew too dense to get
them. Lens quite heavily coated.

(11) (2 3 26) L. P. P.

Aug. 18/1904 (Thursday ~~Monday~~)

Pr. L. C. Obs. H. C. O.

5''

Juno

10 20 ✓ a 1, 5 β Est 8.8

see DM chart for notation.

✓ R Aquarii 5''

11 52 o 3, 2 p 10.44
10.34
10.39

✓ W Ceti 5''

12 18 e 2, 3 f 8.40
8.22
8.31

(16) (2332) L. P. P.

Aug 22, 1904 Monday

JD - LCOb HCO

5''

S Bootis

7 53 c 2, 3 d. 8.59 8.48 8.54 m

R Can Ven 5''

7 55 g 3, 2 h. 8.94 8.73 8.84 m

R Coronae HD. m

8 03 b 4, c 0, 3 d 5.96 5.94 5.85

R Serpentis 5.92 ~~5.9[illegible]~~ HD.

8 05 β 5 var 6.6 m

T Urs Maj 5'' m

8 08 k 2, 2 l 10.05 10.20 10.12

S Urs Maj. 5'' m

8 11 m 5, 0 n 11.15 11.08 11.12

Aug. 22, 1904

8 1~~4~~6 R Camelop 5''m

c 3, o d, 4 e

9.32
9.50
9.42
9.41

Pallas

8 21 Clouds came to rapidly to get ~~the asteroid~~.

8 22 Sky becoming more cloudy & rapidly so.

8 25 Too cloudy to continue

9 00 Too cldy hazy & strong moonlight to observe now. Closed up.

(15) (2347) L. P. P.

Aug. 23, 1904 (Tuesday)

JD ~~L.O.Ob~~ H.C.O.

Pallas

9.2 5″

8 22 α 4, 2 β M

~~Est~~

α = +15°.2940 (9.0)
β = +15°.2938 (9.2)

~~see DM chart~~

R Urs Maj 5″

8 55 8.68
8.90
8.50
208
8.69

h 5, o k, 3 l M

~~19 35 Examination of Plates to confirm~~
~~crater measured in Bulletin 156~~

~~Two sec~~ 8

(5) (23 52) L. P. P.

Aug. 24, 1904 (Wednesday)

J.D. 6717 H.C.O. L.C. Obs.

R Scuti AB

9 10 f 3, 3 g 6.43
6.44
6.44

R Oph. b

9 13 b 3, 3 c 7.14
6.94
7.04

(4)(2356) L.P.

Aug. 26, 1904 (Friday)

JD - 6719 L.C. Obs H.C.O.

5"

S Urs min.

m

9 18 var 3 d 9.0

var 5 = e

c too bright to use.

(2) (2 3 5 8) L. P. P.

Aug 27, 1904 (Saturday)
J.D. 6720 H.C.O. L.C.E.

R. Cygni 5"
8 40 f 3, 2 g 8.45
7.97
8.21

U Cygni 5"
8.43 d 4, 2 e 7.50
7.57
7.54

S.S. Cygni 5"
8.46 o 1, 3 k 11.87
11.84
11.86

T. Cephei
8.49 l 2, 3 m 9.38 5"
9.35
9.36

T Aquarii
8.53 g 1, 3 h 7.93 5"
7.74
7.84

R Coronae F. G.
8.54 c 2, 2 d 6.14
5.95
6.04

R Scuti F. G.
8.55 f 4, 1 g 6.53
6.64
6.58

R. Serpentis 5"
8.58 7.0 b 3.0 c
Cir. 74-II

E.C.P's New Var. 5"
9 28 α 3, 3 β 7.4 L.C.
(1.8) (23)6)

Aug 2~~8~~9 1904 (Monday)

JD 6721 L C Obs HCO

Pallas. 5"

7 45 γ = +14.2986 (8.8) γ 2, 2 δ 9.5

δ = +14.2988 (9.0)

see Du chart

Juno 5"

7 58 −7.5362 (8.5) a 3, 3 b.

−7.5358 (9.1)

Z Bootis

8.20 e 3, N < 11.0 5"

R.R. Herculis.

8.30 ~~80~~ b 0, 4 ~~g~~ c 8.2

R Draconis.

8.35 Rather Cloudy. Too cloudy for this var.

8.50 Still too cloudy.

9.05 Still too cloudy.

9.30 Clearer in N.

R Draconis. 5"

9.82. g.3, or. 12.31

12.52

12.42

L. P. P.

(8) (2384)

Aug ~~2~~ 30, 1904 (Tuesday)
J.D. 6723 L. C. Obs. H.C.O.

R aquarii 5"

10 57 -o 3, 2 f 10.44 m
10.34
10.39

(2) (2386)

200 in 15" Record book during August = 2386

Sept. 2, 1904 (Friday)

JD 6726 L C Ob. H.O.

7 45 clear now

R Coronae FJS

7 57 c 2, 3d 6.14
5.85
6.00

8 00 clouds now in west

(2) (25 P.F.)

Sept. 6. 1904 (Tuesday)

R Scuti FKG.

8 40 5.95 5.83 5.89 e 3, 3 f C. Obs.

9 00 5.95 5.93 5.94 e 3, 2 f A.L. Gunderson Obs

T Herculis 5"

9 14 9.55 9.34 9.44 l 4, 1 m C. Obs.

9 38 9.24 9.05 9.14 k 3, 1 l A.L.G. Obs.

T Aquarii 5"

9 48 8.14 8.08 8.11 h 1, 3 k C. Obs.

9 55 7.93 7.74 7.84 g 1, 3 h A.L.G. Obs.

SS Cygni 5"

10 06 12.07 o 3 var C. Obs

p not seen

S Boötis C Obs. 5"

10 10 8.97 8.92 8.94 d 2, 2 e

10 35 9.07 8.82 8.94 d 3, 3 e A.L.G.

Sept. 6, 1904.

R Vulpeculae . 5"

10 50 8.37 / 8.37 / 8.37 e 3, 1 f C. Obs.

10 55 8.17 / 8.17 / 8.17 e 1, 3 f a L G.

(11) (2599) C.
(10) (10) a. L. G.
L. P. P.

Sept. 7, 1904 (Wednesday)

S S Cygni. 5"
7 27 11.97 / 11.94 / 11.96 o 2, 2 p L.C. Ob.

U Cygni. 5"
7 29 8.17 / 8.26 / 8.22 e 4, 1 f L.C. Ob.

T Cassiop 5"
L.C. Ob.
7 42 10.11 / 9.94 / 10.02 l 3, 2 m
8 30 10.11 / 10.14 / 10.12 l 3, 0 m a L g Obs.

R Pegasi. 5"
8 45 8.02 / 8.03 / 8.15 / 8.07 f 3, 0 g, 3 h L.C. Ob
8 55 e 3, 1 f 7.67 / 7.62 / 7.64 a L g s.

R Aquarii 5"
9 35 p ~~R~~ 3 var 10.85 L.C. Ob.

S Ceti 5"
9 55 e 2, 2 f 8.40 / 8.32 / 8.36 L.C. Ob.
10 10 f 3, 1 g 8.82 / 8.61 / 8.72 a L g s Obs.

Sept 7, 1904

R Trianguli 5"

10 24 ~~c 3, 2 c'~~ L.C. Obs

~~c > b & d too faint to use so star c' added by L.C. tonight~~

10 34 6.7
7.0
6.85 a 3, 2 b L.C. Obs

10 35 6.80 a 3, 3 b a.L.G. Obs

R Scuti IV G.

10 50 f 1, 3 g 6.23
6.44
6.34 a.L.G. Obs.

(14) (26, 3) L.C.

(10) (20) a.L.G.

L.P.P.

Sept. 10, 1904 (Saturday)

J.D. 6724 L.C. Ob. H.C.O.

SS Cygni 5''

7 55 o 3, 2 p 12.07 / 11.94 / 12.00

R Coronae H.L.

7 57 c 1, 3 d 6.04 / 5.85 / 5.94

R Scuti H.L.S.

7 58 e 2, 4 f 5.85 / 5.73 / 5.79

R Draconis 5''

8 52 n 3, 20 10.86 / 10.77 / 10.82

T Sagittae 5''

9 03 f 3, 5 g 9.4 / 8.9 / 9.15 Ca 74 – II

S Aquilae 5''

9 12 e 4, 1 f 9.2 / 9.1 / 9.15 74 – II

E.C.P.'s Var at +23° 5''

10 04 d 4, 2 b 9.4

Sept 16, 1904

RT Cygni 5" Cir 74 — II

10 18 α 3, 2 β Est 10.5

V Aquarii 5" Cir 74 — II

10 29 9.1 8.5 8.8 9.1 [illegible] e 1, 5 f

(18) (26 31) L.C.

L.P.P.

Sept. 15, 1904 (Thursday)

JD 6739 L.C. Obs. H.C.O.

022000 • R Ceti 5"

✓

12 04 h 1, 3 k 9.07
9.12
9.10

024217 ✓ T Arietis 5"

ci 74 – II

12 11 f 3, 2 g 9.2
9.1
9.2

~~015556~~
024356 VW Persei 5"

ci 74 – II

12 17 ✓ l 7, 2 α Est 11.5

α = cs additional star added on this chart

032335 R Persei 5"

ci 74 – II

12 26 ✓ Var susp only & if seen

est = p 5 var. 11.3

T Tauri 5"

ci 74 – II

✓

12 32 ~~024217~~
041619 e 3, 3 f 10.0

Sept. 15, 1904.

✓ W Tauri 5" ci 74 — II

12 36 042215 d 1, 3 e 8.9 / 9.1 / 9.0

R Tauri 5"

✓

12 41 042209 n 3, 2 m 9.98 / 9.68 / 9.83

042309 S Tauri 5"

✓ var n S.

12 43 s 2 n 12.2

✓ V Tauri 5"

12 47 044617 l 5 n

052036 W Aurigae 5"

✓ Est 11.5

12 58 α 4, 1 β Cs' Not. see Cs' Chart

✓

13 08 052036 S Aurigae 5"

n 3 n ci > 4 — II

Sept. 15, 1904

05-3531 U Aurigae 5"

✓

1317 ~~05-2404~~ l 2,2 m 10.3 Cr 74-II

✓ SY Camelop Cr 74-II

05306A 5"

1327 a 3, 2 b 8.7

✓ 06 0450 X Aurigae 5"

8.7 Cs Not

1334 c 3, 1 d

061647 V Aurigae ✓ 5"

✓ 9.5 9.5 9.5

1341 c 3, 2 e ~~10.0~~ Cr 74-II

d > c

063558 ~~SY Lyncis~~ Reject 5"

✓ ~~9.2~~ Cs Not

1348 c 2, 2 d not sure of ident

065355 R Lyncis 5"

✓

1352 e 2, 1 f ~~8.80~~ 8.92 8.86

Sept 15, 1904.

✓ 9.7 RR Tauri 5″
1403 053326 c 5, 3 d cs Not

✓ Z Tauri 5″
1413 054615 d 5 N cs Not

U Orionis 5″
✓ 054920 9.30
1418 n 3, 20 o. 9.16
9.23

045307 R Orionis 5″
1425 ✓ 10.5 g 3, 3 h ci 74–II

050003 V Orionis 5″
1433 ✓ g 3. N

053005 T Orionis 5″
✓ ~~f 4, g~~ ci 74–II
1439 e 4, f 1, 5 g 9.7

052404 St Orionis 5″
1447 ✓ m 3 N ci 74–II

Sept. 15, 1904.

074323 T Gemin. 5"

✓

15 07 f 5 N ci 74—II

073723 S' Gem. 5" ci 74—II

✓

15 12 e 2,3 f 2.3

✓ U Gem 5"

15 18 074922 h 1 N Hagen chart notation.

071713 V Gemin 5" ci 74—II

✓

15 38 g 3,3 h 10.3

072708 S Can Min 5"

✓

15 46 m 5 N 10.9

072811 T Can Min 5" ci 74—II

15 54 h 3 N

Sept 15, 1904

073508 ✓ U Cam. Min 5"

Cir 74 = IV

16.00 b' 3, 3 c 9.0

094211 ✓ R Leonis 5"

16 08 l 3, 2 m 7.18
7.03
7.10

16 15 Twilight fast approaching now.

(44) [illegible]

L.P.

Sept. 16, 1904 (Friday)

JD 6740 L.C. Obs H.C.O.

Pallas 5"

7 18 ✓ x+11.2972 (8.7)
y+11.2974 (9.1) x 4, 3 f Est 10.0
see DM chart

Juno 5"

✓

7 27 x = -10.5431 (8.5)
y = -10.5433 (9.2) x 1, 4 f see N DM chart.

143227 R Bootis 5"

✓

7 35 o 0, 3 p 10.48
10.57
10.52

213843 SS Cygni 5"

✓

7 42 a 1, 4 c 8.10
8.10
8.10
Var at max.

190108 R Aquilae 5"

✓

7 52 p 4, 19 10.8

cir 74 - II

Sept 16 1904.

154428 ✓ R Coronae ~~[illegible]~~

7 57 c 2, 2 d 6.14
5.95
6.04

184205 ✓ R Scuti ~~[illegible]~~

7 58 d 1, 4 l 5.29
5.25
5.27

160625 R U Her 5"

8 04 ✓ e 2, 3 f 8.7 Cs Not.

162807 SX Her. 5"

8 10 ✓ d 2, 4 e 9.1 Cs Not

171723 R S Her. 5" Cs Not.

8 15 ✓ f 5 n

182306 T Serpentis 5" Cs Not

8 22 ✓ Var not seen < 11

183308 X Ophiuchi

8 26 ✓ Var 5 a' Cs 74 H

7.0

a' = Cs additional star

Sept. 16, 1905

185512 RT Sagittarii 5'
✓
8 34 α 3, 2 β Cs Rel. Not see
Cs chart α
Est = 10.5
Region near moon.

200906 Z Aquilae 5''
8 46 ✓ g 2 var. 11.0 Cs Not
Var. susp only & if certainly seen
est = above

201121 RT Capric. 5''
8 56 ✓ a' 4, ~~b~~ 4 a 7.5 Cs Not
varquito ref.

202622 RU Capric ✓ 5''
✓ Var not seen
but 9.5 magn comp
9 00 easily seen

203905 Y Aquarii 5' Cs Not
9 10 ✓ e 2, 3 f Est = 10.5

Sept. 16, 1904.

10 15 210516 Z Capric 5"
✓ Cs Not.
β 4, 0 α est = 10.0

210504 RS Aquarii 5" Cs Not
✓
10 25 α 5 n

210903 RR Aquarii 5" Cs Not.
✓
10 33 e 0, 5 f 8.4

221722 RT Aquarii 5" Cs Not
10 40 ✓ d 3, 1 e 9.5

✓ 230182 V Cephei [illegible] "
10 42 c 2, 5 d 6.30
6.[illegible]
6.1[illegible]

180531 T Herculis 5"
10 47 ✓ g 2, 3 h 8.59
8.39
8.49

Sept. 16, 1906

194632 χ Cygni. 5"

10 58 ✓ u 5, 1 w — 9.51
9.18
9.34

(38) (27.3)

L. P.

Sept. 17, 1904 (Saturday)

J.P. 6741 L.C.C. H.C.O.

S P Cygni 6"

8 05 20:06

a 2, 3 C A 20 / f. 20 / A. 20 −1 : ~~47~~ 33

~~+46.1~~

+44.2

20:09

−1.28

+43.5

Correction 2m in HA &

−1° in Dec.

T Cassiop. 6"

24 18 +56.8

20 12

4 06 10.21 / 10.14 / 10.18

8 18 e 4.0 m

δ Persei 6"

26 8 +58.2

20 21

−5 47 10.88 / 10.93 / 10.90

8 25 R 2.4 l

Sept. 17, 1904

R Urs. maj. 6"

8 44 10 32 + 170.7

20 32

10 00

l 3, 2 m 9.10 / 9.23 / 9.16

8 46 T Urs maj 6"

l 4, 1 m 10.80 / 10.65 / 10.72

8 48 S Urs maj 6"

m 3, 1 n 10.95 / 10.98 / 10.96

Recording at 15"

o Ceti 6"

26 18 − 3.5

22 22

3 56

10 24 δ 4, 1 ε 9.22 / 9.09 / 9.16

012502 R Piscium 6"

25 2$\overset{0}{5}$ + 4.0

22 25

2 55

10 28 k 4, 1 l 9.05 / 9.15 / 9.20

Sept - 17, 1904.

021024 R Arietis 6"

26 02 +26.2

22 29

3 33

11.88

11.90

11.89

10 32 p 3, 0 q

Var 0 q just seen.

R Camelop. 6"

15 0 +84.1

22 33

7 33

10.12

10.12

10.12

10 37 e 3, 2 f

Recording at 15" now & on.

(20) (27 33) LP.

1904phae.proj..750C

Sept. 19, 1904 (Monday)

11 30 clouds in West & fast approaching the East

S Piscium

11 40 Too Cloudy here

X Ceti

11 50 Too cloudy

11 55 Sky rather cloudy everywhere

12 20 All cloudy & no chance for any observing

13 00 Suddenly cleared will try once more for ~~the~~ Vars.

SS Cygni

21 34 +43.6
25 22

3 48

13 15 d 1, 2 e

8.7°
8.70
8.70

Sept. 19. 1904

S^t Cygni.

20 10 +56.1
25 30
5 20

13 27 l 3 ~~20~~ N 11.7

R S^t Cygni

20 8 +38.3
25 40
5 32

13 33 f 0. 8 9

8.15
7.88
8.02

R Delph. ~~20~~
20 10 +8.5
25 45
5 35

Too low

Sept. 19, 1904

S Cephei

21 36 +78.0
25 46
4 10

13 37 h 5 var 10.72

R Aquarii

23 35 −16.2
25 50
2 15

13 47 q 2 var 11.01

X Ceti

27 11 −1.5
26 00
1 11

9.5 = est.

13 52 α 2, 1/3

see Cs chart
prel. Not.

Sept 19, 1904

S Piscium

1 10 +8.2
2 05

0 55

1 6 +6.8
2 8

1 2

14 07 co, 3 d 9.0
8.9

9.0

U Ceti

2 27 −13.0
2 22

0 5

11

14 15 Fog too thick for U Ceti.

14 45 Waited for fog to clear but it would not do so. Too bad to continue now.

(10) (2743) L.P.P.

Sept. 21, 1904 (Wednesday)

JD 6745 L.C.Ob W.C.O.

7 12 Moon rather bright & some clouds in sky

SS Cygni 5"

7 17 h 1, 3 k 10.08 / 10.13 / 10.10 m.

R Scuti FLg

7 20 b 3, 1 c 5.12 / 4.87 / 5.00 m

7 21 Sky pretty cloudy now

7 23 clearer

U Persei 5" m

7 25 8.0 a 0, 5 b

Cir 74 - II.

V Androm. 5"

Cs Chart & Notation used

7 36 9.5 e 4, d 2 var m

R Coronae FLb.

7 44 c 3, 2 d 6.34 / 5.95 / 12.19 / 6.10

7 40 Sky more cloudy.

1904phae.proj..750O

Sept. 21, 1904.

10 00 Clear now.

R Trianguli 5''

10 02 7.5 / 7.6 / 7.45 b 2, 3 c m

cir 74 ~~II~~

U Androm Cs Not of chart

10 15 11.0 e 6, 0 f Est = 11.0 5'' m

Y Androm

10 53 10.5 e 5 n 5'' Cs Not o chart

m

S Urs Min 5''

10 58 c 0, 5 d 9.0 m Photog Not

(16) (2759) L. P. P

Sept 22, 1904 (Thursday)

JD 6766 L.S. Obs HCO

SS Cygni 5" m

7 14 213843 k 3, 3 l, 3 m

10.73
10.62
10.60
195
10.65

154615 R Serpentis 5"
ci 74 – II

7 30 c 4, 2 d 8.5 8.3 8.4 m

160150 RR Her. 5"
ci 74 – II

8 04 a 3, 3 b 8.0

191321 Z Sagittarii 5" m

8 20 c 2, 3 d 9.3
ci 74 – II

191319 S Sagittarii 5" m

8 23 Var N.S. 10.4 ci 74 – II
k 2 n

154539 V Coronae 5" m
10.25
h 3, 1 k

8 34 ci 74 – II

Sept 22, 1904

210382 X Cephei. 5'' m

8 50 10.0 α 5 N ~~Cs~~ Not.

175458 T Draconis. 5''

8 52 h 5 N Ci 74-I m 9.9

014958 X Cassiop. 5'' m

9 33 9.2 a 4, 2 b Cs Not

195849 Z Cygni 5'' m

10 30 9.9 m 2 N Ci 74-I

194048 RT Cygni 5'' m Ci 74-I

10 56 d 4, o 2, 3 f 9.0 8.9 9.0

(16) (2775) L. P. P.

Sept 23, 1904 (Friday)

J.D. 6747 L.C. Obs. W.C.B.

7 30 Some clearer but not enough to do any estimating as yet.

8 15 Clouds now still thicker over all the sky.

8 40 All cloudy everywhere

Sept. 27, 1904 (Tuesday)
JD 6751 L.C. Ob. HCO

7 14 213843 SS Cygni 5"
σ 1, 3 β 11.87
11.84
11.86

8 12 142539 V Bootis 5"
e 2, 2 f 8.9 Cir 74 — II

ECP's New Var (182224) 5"

8 30 Var. invisible < 11th Magn.

180666 X Draco. Cs Not
8 45 ß 3, 2 f est = 10.5 5"

202539 RW Cygni 5" Cir 74 — II
9 33 c 3, 2 d 8.6

204016 T Delph 5"
9 46 d 3, 2 e 9.3 Cir 74 — II

9 50 Too cloudy to continue now

(10) (2785) L.P.

Sept. 28, 1904 (Wednesday)

JD 6752 L.C. Obs. H.C.O.

R Coronae FHD.
7 45 c 2, 2 d 6.14
5.95
6.04

R Scuti FHG.
7 46 c 1, 3 d 5.07
4.89
4.98

Juno 5"
9 06 x 4, 2 g m but
clear here

9 10 Considerable cloud over sky

203816 S Delphini 5"
9 45 h 2,3 k 10.0 m

204102 V Aquarii 5" m
9 58 e 2, 4 f 9.2

Sept. 28, 1904

204846 RZ Cygni. 5"

10 10 α 5 n CΔ Prel Not

210129 TW Cygni 5" CΔ Prel Not

10 18 α 5 n

(0) (2795) L.P.P.

Sept. 30. 1904 (Friday)

JD 6754 L.C. Obs H.C.O.

7 10 Sky very clear everywhere

T Cassiop. 5"

7 14 ✓ n 3, 2 σ

10.82
10.82
10.82

✓ NN Cygni 5"

7 17 σ 3, 1 p.

12.07
12.04
12.06

✓ Androm 5"

7 23 ✓ e 3, 2 f 9.3 Cs Not

U Androm 5"

7 ~~2~~28 ✓ g 6, 2 h (11.5) Cs chart & Not

W Persei 5"

7 36 ✓ m 3, 1 α ca 74 = 11 est 11.5

Nova Persei 5"

7 45 ✓ t 4, 1 w est 12.2

sky very clear & high power used.

Sept. 30, 1904

R Persei 5"

7 57 ✓ p 3, 2 q   Cir 74 - II
Est 12.0

T Camelop 5-4

8 10 ✓ k 2, 2 l   Cir 74 - II
est ~~12.0~~ 11.8

V Capricorni 5"

8 29 ✓ n 3 n   Cir 74 - II
< 11.5 magn.

X Capric. 5"

8 36 ✓ e 3, 1 f   Cir 74 - II
Est 10.5

Z Capric 5"

8 42 ✓ α 4, 2 β
Cir Piel Not
Est 10.0

V Cephei ~~1Z~~g.

8 50 ✓ 6.70 6.78 6.74 c 2, 4 d

R Urs Maj 5"

9 45 ✓ p 5 var 10.96

No fainter ~~stars~~ on this chart. Moon now up

Sept 30, 1904

R Lyncis 5"

9 54 ✓ e 2, 4 f 8.80 8.62 8.71

m up

R Draco 5"

10 14 ✓ h 1, 4 k 9.16 9.00 9.08 m

T Cephei 5"

10 50 ✓ m 4, 1 n ~~8~~? m 10.05 10.00 10.02

(29) (2824) L. P.

Oct. 1, 1904 (Saturday)

JD 6755 L C Obs V.A.O.

7 10 Some broken clouds over sky.

142584 R Camelop 5"
7 27 g 4 var 11.20
✓ h not on chart.
est 11.0

8 00 Quite cloudy now

St Bootis 5"
8 13 ✓ e 3, 2 f 9.32 / 9.47 / 9.40 est ~~10.0~~ 9.5

142539 V Bootis 5"
8 18 ✓ e 3, 3 f ~~9.1~~ 8.8 Cig 7H-H.
est 9.5

160625 RU Herculis 5"
8 24 ✓ a 4, 2 b 7.5 est 8.2
Cs Notation.

171723 RS Herculis 5"
8 30 ✓ f 3 V < 11.0 Cs Notation.

Oct. 1, 1904.

191717 T Sagittae 5"

8 37 ✓ d 3, 2 e 8.9 Est 8.8 cis 74-II

200715a S Aquilae 5"

8 45 ✓ 10.0 h 4, 2 k cis 74-II

200906 Z Aquilae 5"

9 37 11.0 ✓ g 3, 3 h Est 11.0 cs Not

203905 Y Aquarii 5"

9 41 ✓ 9.5 d 3, 1 c, 3 e Est 9.8 cs Not.

210903 RR Aquarii 5"

9 46 ✓ 8.7 e 4, 4 f Est 10.0

(18) (18) L.P.

(10) (10)

(1) (1)

Oct. 4, 1904 (Tuesday)

J.D. 6457 L.C. Ob.

Pallas 5"

6 55 α = +8.3251 (9.2) α 3, 3 β Est 9.5
β = +9.3250 (9.4) see ~~Dun~~chart for Notation

230759 V Cassiop 5"

7 13 g 3, 3 h Est 11.0 C's Notation.

231425 W Pegasi ai 74 — II

7 25 Var not seen. k easily seen ~~but the~~ < 12.0

δ Cephei 5"

7. 35 10.90 / 10.74 / 10.82 k 2, 3 l

Miss Leavitts Algol 5"

7 50 α 3, 4 β Est 9.5

α = O.C. W's compt.
see chart for Not.
α = Miss C's a
β = " " b.

~~Sept~~ Oct. 4, 1904.

202622 R U Capric 5"

8 04 ✱ β 3 var Est 11.8 ~~12.0~~

R T Aquarii ~~Capric~~ 5"

~~9~~8 22 c 3, ~~3~~d Cs prov. Not
Est 8.8

T Arietis 5"

8 33 9.0 f 2, 3 g Est 9.5

T Cassiop 5"
est 9.5

8 53
~~9 03~~ 10.34
10.32
10.33 m 2, 2 n

RR Her. 5"

9 05 8.5 b 3, 3 e Cir 74 – II

X Cassiop 5"

9 15 11.0 e 3 var ~~Cir. 7~~
Campbell's Not

Ident doubtfull

Var is pretty close
looks up on photogs

Oct. 4, 1904.

R Pegasi 5"
9 20 8.23 8.25 8.24 g 2, 2 h est 9.0

S Urs Min. 5"
9 25 c 2 var est 9.0
var 5 d

R Trianguli 5"
9 28 7.8 Ci 74 – II
c 3, 1 d ~~est~~ 9.0

RT Cygni 5"
9 32 8.0 a 3, 0 b Ci 74 – II
var reddish.

U Arietis 5"
9 48 g 3 N Ci 74 – II

W Tauri 5"
9 54 f 3 N Ci 74 – II

T Tauri 5"
Ci 74 – II
est 9.5
9 58 ~~c 4, 2~~
9.7 c 3, 3 d

Oct. ~~27~~ 4, 1904

V. Tauri 5''

Cir 74 ~~II~~

10 03 9 3 N

U Cygni 5''

10 18 9 2, 2 h

9.02
9.05
9.04

hazy in the west & on ~~the~~ meridian

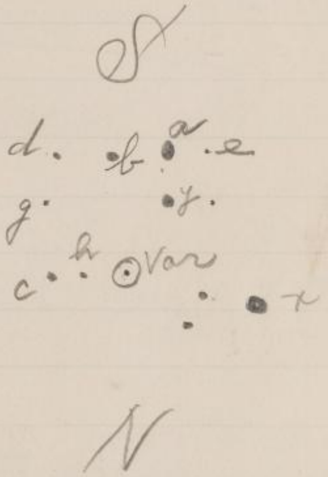
(16) (26) Vars.

(4) (5) N.S.

Oct. 5, 1904 (Wednesday)

Miss Leavitt's Algol Var.

7 00 a 2, ~~4~~ b



Sky some cloudy but quite clear here during the above observation.

7 20 Too cldy here for more ests. Electric light out of order so could not make any photom-measures.

T Delphini 5"

7 40 f 2, 3 g 9.2 cir 74-II

S Delphini 5"

7 45 h 2, 2 k 9.9 cir 74-II

7 50 Quite cloudy now

Oct. 5, 1904.

R Scuti F.D.

8 00 d2, 2 e 5.39
5.45
5.42

8 10 Too cloudy to continue

(4) (30)
(5)

Oct. ~~5~~ 6 1904 (Thursday)

JD 6760 L.C. Ob.

Miss Leavitts Algol Var

7 00 Est 10.0 a 4, 2 b 5'' photog Vot

Williams New Star ?
at 22 19 +29 44 (1855)

8 00 α 3, 3 β 5'' est ~~10.0~~ 9.0
star quite red
and the right star according to my
interpretation of the region.

Tlase. ✓

8 24 h 3, 2 k 5''
9.28
9.16
9.22

R Coronae [illegible]

8 33 c 3, 1 d ✓
6.24
6.05
6.14

193509 R V Aquilae 5'' ✓

8 50 Var N8! < 11.5 ✓

193311 R T Aquilae 5''

8 58 Est 9.5 a 4, 2 b see Deucht

Oct 6, 1904.

SY Lyrae 5" ✓

9 10 α 3 n

see Du chart

X Cygni 5"

10 25 t 3, 1 u 8.98
8.91
8.94 ✓

St R Tauri 5"

~~both~~ Vars invisible ✓

10 35 star p 5 n 11.1

RR Tauri 5"

10 45 10.5 e 3, 2 f CS Not ✓

Z Tauri 5"

10 55 10.0 d 5 n ~~CS Not~~ ✓

(7) (37)

(5) (10)

Oct. 7, 1904 (Friday)

-15.4905 algol Var

7 10 a 4, 1 b photog Not.

RU Herculis 5"

7 50 160625 ✓ b 1, 4 c $\underline{\underline{7.8}}$ ~~cs~~ Not.

183308 X Ophiuchi 5"

✓ $\underline{\underline{6.5}}$

8 00 α = +8.3741 (6.2) α 3, 3 β

β = +8.3797 (7.3)

see Dun chart for Not.

8 03 235182 V Cephei ~~4 Tel.~~

✓ c 3, 3 d

6.80
6.88
$\underline{\underline{6.84}}$

013338 Y Androm 5"

8 10 ✓ <'' f 3 $\underline{\underline{n}}$ cs Not

180531 T Her. 5"

8 15 ✓ b 3, 2 c

7.32
6.97
$\underline{\underline{7.14}}$

Oct. 7, 1904

024356 W Persei.

8 22 ✓ 11.0 l5, 1m

Ci 74-II

Williams Nova or ~~Algol~~ Var

8 32 α 4.2 β 3 see DM chart

Z Aquilae 5"

8 45 h5 V <11.5

Z Capric. 5"

8 52 Var N.S. <11.5 ✓ I am sure ~~that~~ I have been observing a DM star instead of the variable.

T Sagittae 5"

9 00 ✓ 9.0 d4, ze Ci 74-II

T Arietis 5"

✓

9 13 9.5 g 2, 4 k Ci 74-II

Oct 7, 1904

Juno 5"

9 22 $\alpha = -12^{\circ}.5785$ (8.9) 9.0

$\beta = -12.5790$ (9.0) ✓ α 3, 2 β

see SDM chart at −12°

181136 W Lyrae 5"

CS Not

9 25 8.5 ✓ a 4, 2 b see DM chart

190667 U Draconis

✓ Var not certainly seen;

9 40 fainter than 11,0

(11) (48) L. O. P.

(4) (14)

Oct. 11. 1904 (Tuesday)

Morning Obs. of Vars.

~~R Orionis 6"~~

~~4 51 + 8.2~~

13 45

S Orionis 6"

5 21 - 4.8
3 40
1 41 1 34
3 52
5 26 - 5 28

$\overset{14}{2}$ 15 Clouds

$\overset{14}{2}$ 30 Too cloudy to continue.

Oct-15, 1904 (Saturday)

T Cassiop. 5-"

8 15 b 2, 2 k 9.18 / 9.16 / 9.17

004435 V Androm 5-" CS Not

8 22 10.0 f 3 var

010940 U Androm 5-"

g 3 N <12 CS Not.

8 35

202817 Z Delphini 5-" CS Not.

8 53 α 3, 1 / β 10.5

203611 Y Delph 5-" CS Not

8 57 α 5 N <11.5

205017 X Delph 5-" cs Not

9 02 α 3, 3 / β 10.0

210812 R Equulei 5" CS Not

9 13 α5 N <11.5

Oct. 15, 1904

211614 X Pegasi 5-"

9 29 α 5 - var Est 11.0 cs Not

200812 R U Aquilae 5"

9 45 Var not certainly seen
probably < 11.5

α 5 N ε

214024 R R Pegasi 5"

10 05 α 1, 2 β cs Not
Est 9.2

215934 R T Pegasi 5-"

10 18 α 3, 3 β cs Not
Est 10.5

190967 U Draconis 5"

10 30 β 4, 2 j Est 11.0
cs Not

175654 V Draconis 5-"
~~Est~~

10 39 Var not surely identified
I need a better chart.

Oct. 15, 1904

045307 R Orionis 5"

10 50 ~~ e 2, 3 f 10.0 cir 74-II

050003 V Orionis 5" cir 74-II

11 02 f 4, 0 g 10.2

064030 X Gemini 5" Cs Not.

11 10 f 2, 4 g 9.5

070122 R ~~Gemini~~ 5"

1118 h 3, 2 k 8.22 8.05 8.14

054920 U ~~Orionis~~ 5"

11 55 f 3, 0 g 9.96 10.18 10.07

053005 T Orionis 5"

1204 f 2, 3 g 9.8 cir 74-II

Oct, 15. 1904.

12 09 052404 S Orionis 5''
m 3 var
est ~~12.0~~ 11.8

12 14 074323 T Gemini 5''
d 3, 2 l cir 74–II
9.0

12 19 073723 S Gemini 5''
h 2 N cir 74–II
<11.0

12 26 074922 U Gemini 5''
Wrong * ~~h 2, 3 k~~ Cs Not see
var N. St. <12.0 Hagen chart
l 3 N ~~Est 11.8~~

063308 R Monoc
5''
12 41 Cs Not
α 4, θ β Est 10.5

Oct. 15, 1904

065111 Y Monoc. 5"

α 5 Var.

12 50 est 12.0

as Not.

061702 V Monoc. 5"

13 00 k 4, 1 l cir 74-II

Est 11.0

072708 S Can Min. 5"

13 04 k 3, 2 l 9.96

9.92

9.94

071713 V Gemin. 5"

13 20 h 3, 3 k cir 74-II

Est 11.0

070310 R Can Min. 5"

13 30 f 3, 2 g 9.2 cir 74-II

0735-08 U Can Min. 5"

9.0 var 3 c cir 74-II

f too brighter to comp. with.

Oct. 15, 1904.

SS Cygni 5"

13 45 0.1 3 p

11.87
11.84

11.86

14 00 Quit for tonight.

(24) (72) Vars.
(7) (21) N.S.

Oct. 17, 1904 (Monday.)

Miss Leavitt's Algol.

5″ some haze m

6 24 d 3, 4 h

photog Not.

Miss Leavitt's algol (again)

7 24 e 1, 4 h 5″ m

clearer here now

Dunne's Nebula.

5″ m

7 34 α 1, 3 β

est 9.0

The nebula is easily seen altho only a few degrees away from the moon which is 8 days old.

184205 R Scuti. Alg.

7 36 d 2, 3 e 5:39 5:35 5:37 m

230759 V Cassiopeiae 5″ m

7 50 With the chart at hand I am not certain of the ident. of the variable. There are two stars there of which either one may be the variable. Look up photog.

Oct. 17, 1904.

160150 RR Her. 5" m

8 07 c 2, 5 e $\underline{8.3}$ =

014958 X Cassiop 5" m

If the var is the object that I think it is Est =

8 27 a 3, 2 b

this var is a reddish star & the one marked $\underline{c}$ on my chart

R Coronae

8 30 Too low & Moon

180531 T Her. 5" m

8 34 b 4, 2 c $\frac{\overset{7.42}{6.97}}{14.39}$ $\underline{7.20}$

204405 T Aquarii 5" m

8 43 g 4, 2 r² $\frac{\overset{10.56}{10.82}}{\underline{10.69}}$

024356 W Persei 5" m

8 49 e 4, 0 m Est 10.5

Oct 17, 1904

204016 T Delph. 5''

8 54 g 2, 3 h 9.5 Est m 10.0

203816 N Delph. Est 9.5 5''

8 58 h 2 3 k 10.0 5'' m

235782 V Cephei 5''

9 00 Fly. ~~m~~

b 4, 1 e 6.50 ~~6.40~~ 6.45 m

205923 R Vulpec. 5'' m

9 08 l 3, 3 m 9.84 9.49 9.6[illegible]6

031401 X Ceti 5'' photog Not

10 29 f 4, 1 a 8.5

042215 W Tauri 5''

10 45 g 3 n ci 74 – II

(1 4 ~~45~~) (8 6) 1D (2 ~~20~~)

look up photos

L. P.

142-4 left.