

KG

11366
v.240

J. E. Washburn
Obs.

Mar. 29. 1904. (Tuesday)

8:15

Vesta
x 1, 1 y

8.5

Obs Wa
5"

10:05

S Wilson Majoris
g 1, 1 h.

493
912
902

5"

(4)

(4)

L.P.P.

April 2, 1904. (Saturday.)

7:55

April 2, 1904 —

Obs. Wa
5⁴ F.G.

9:16

5¹

9:45

5¹

10:19

5¹

April 2, 1904. (Saturday.)

7:55

c

Obs. Wa

5" F.G.

9:10

v

5"

9:45

l

5"

10:19

v

5"

h

[Faint handwritten notes, possibly "S. U. ..."]

[Signature]
- ~~Not to be used~~ P.P.

April 2, 1904. (Saturday.)

7:55

T Cephei
c 2, 1 d.

6.24
6.52
6.41

Obs. Wa
5-4 F.G.

9:16

S Canis Minoris.
f 1, 1 g

2.58
2.68
2.64

5-1

9:45

U Orionis
l 1, 2 m

2.37
2.68
2.52

5-1

10:19

R Leonis
~~v 1, 1 w~~
t 1, 1 w.

2.95
2.88
2.92

5-1

S Ursa Majoris

(A) (12) L.P.P.

4

April 4, 1904 (Monday)

7:45

S Ursae Majoris 106 Wa,
 g 1, 1 h. $\begin{array}{r} 8.93 \\ 9.13 \\ \hline 9.02 \end{array}$ 5"

8:27

T Cephæi F.G.
 c 2, 1 d $\begin{array}{r} 6.24 \\ 6.58 \\ \hline 6.41 \end{array}$

8:48

U Orionis 5"
 h 2, 1 l. $\begin{array}{r} 8.99 \\ 9.17 \\ \hline 9.08 \end{array}$

9:02

S Canis Minoris 5"
 f 2, 1 g $\begin{array}{r} 8.68 \\ 8.69 \\ \hline 8.68 \end{array}$

R Leonis 5"
 t 1, 2 w $\begin{array}{r} 8.95 \\ 8.78 \\ \hline 8.86 \end{array}$

(0) (22) L.P.P.

1904

5

April 11, (Monday)Obs. Wa.
5"

7:55

S Ursa Majoris
g 1, 3 h. $\begin{array}{r} .93 \\ .92 \\ \hline .92 \end{array}$ ✓

S Canis Minoris

5"

Clouds thick. No Stars Visible.

(2/24)

6

1904

April 12, (Tuesday)

8:00

J Cephei

F.G.

c 3, 2 d

$$\begin{array}{r} 6.34 \\ 2.48 \\ \hline 6.41 \end{array}$$

8:13

U Orionis

5"

g 3, 2 h

$$\begin{array}{r} 7.34 \\ 7.41 \\ \hline 7.38 \end{array}$$

8:23

S Canis Minoris

5"

var = g

$$\begin{array}{r} 2.79 \end{array}$$

8:40

R Leonis

5"

q 2, 3 r

$$\begin{array}{r} 2.41 \\ 2.11 \\ \hline 2.28 \end{array}$$

10:15

R Coronae

F.G.

c 3, 2 d

$$\begin{array}{r} 6.24 \\ 5.75 \\ \hline 6.10 \end{array}$$

10:27

R Hydrae

F.G.

g 1, 3 h

$$\begin{array}{r} 4.29 \\ 4.78 \\ \hline 4.84 \end{array}$$

10:37

R Bootis

F.G.

var = c

$$\begin{array}{r} 6.90 \end{array}$$

(12) (36)

30, 90V
April 28 (Saturday)

8:25	$\begin{array}{r} 6.31 \\ 6.42 \\ \hline 6.86 \end{array}$	J Cephei U Orionis ε 3, 2 f	5"
8:43		S Canis Minoris h 3, 1 k	5"
8:43	$\begin{array}{r} 9.57 \\ 9.56 \\ \hline 9.56 \end{array}$		
8:50		R Leonis m 3, 1 n	5"
	$\begin{array}{r} 7.53 \\ 7.37 \\ \hline 7.45 \end{array}$		
9:12		R Bootis About 2 grades fainter than c d could not be made out on account of moonlight.	F.G. $\begin{array}{r} 7.10 \\ \hline \end{array}$
9:29		R Coronae c 3, 2 d	FG $\begin{array}{r} 6.26 \\ 5.95 \\ \hline 6.10 \end{array}$
9:56		R. Hydrae k 2, 3 l	FG $\begin{array}{r} 5.48 \\ 5.27 \\ \hline 5.32 \end{array}$
10:17		β Lyrae a 3, 2 b	F.G.

(13) (49)

8

May 2 1904
~~April 30~~ Monday

8:08

~~8:08~~

R Bootis

c 2, 3 d

$$\begin{array}{r} 7.10 \\ 7.14 \\ \hline 7.12 \end{array}$$

F.G.

8.22

R Hydrae

l 1, 3 m

$$\begin{array}{r} 5.67 \\ 5.68 \\ \hline 5.61 \end{array}$$

F.G.

9:34

R Can. Vent.

l 2, 3 l

$$\begin{array}{r} 9.33 \\ 9.89 \\ \hline 9.11 \end{array}$$

5"

9:48

 β Lyrae

d 3, 3 l

F.G.

10:25

T Herculis

c 3, 2 d

$$\begin{array}{r} 7.47 \\ 7.62 \\ \hline 7.54 \end{array}$$

5"

No d on chart.

10:44

T Cephei

c 3, 2 d

$$\begin{array}{r} 6.34 \\ 6.42 \\ \hline 6.41 \end{array}$$

F.G.

11:12

S Ursa Maj.

l 3, 2 f

$$\begin{array}{r} 8.16 \\ 8.36 \\ \hline 8.23 \end{array}$$

5"

11:16

T Ursa Maj.

l 3, 3 l

$$\begin{array}{r} 10.15 \\ 10.10 \\ \hline 10.13 \end{array}$$

5"

(16) (65)

May 3, 1904 Tuesday

8:24

R Can. Vent
k 2, 3 l

5"

9.53
~~8.29~~
9.11

8:44

W Virginis
m 3, 2 n

5"

9.61
9.30
9.46

9:05

R Coronae
c 3, 3 d

F.G.

6.2x
5.25
6.04

9:28

β Lyrae
f 2, 3 g

F.G.

9:38

T Herculis
c 3, 2 l

5"

7.47
7.62
7.54

.15

3
9

(10) (25)

10

Wed, May 4, 1904,Time not
taken. β Lyrae
d 3, 3 l

Naked Eye

(2) (77)

Fri. May 6, 1904.
 β Lyrae.
6.1, 3 C

(2)(7.9)

12

Saturday May 7, 1904

8:55

$$\begin{array}{r} 2.12 \\ 2.94 \\ \hline 2.03 \end{array}$$
 S Coronae
 g 3, $\frac{B}{2}$ h ~~202~~

5"

9:00

$$\begin{array}{r} 2.68 \\ 2.62 \\ \hline 2.65 \end{array}$$
 W Coronae
 f 3, 2g

5"

9:09

B Lyrae
 b 3, 2c

Naked Eye

10:02

$$\begin{array}{r} 2.74 \\ 2.33 \\ \hline 2.54 \end{array}$$
 S Librae
 f 3, 3g

5"

10:45

R-R Librae
 b 2, 3c,

5"

(10) (29)

W Sunday May 8, 1904.

9:30

(3) Lyrae
b 2, 3 C

Naked Eye.

(2) (911)

14

Thursday May 12, 190410:15^h - β Lyrae
a 3, 26Observation copied from other record
book.

(2) (93)

Friday May 13, 1904

8:11.5

β Hydrae
m, 7, 2 m

6.25
6.13
6.19

F.G.

8:21

T Herculis
c 5, 2 l f

7.67
7.62
7.64

5"

8:51

ω Virginis
h 1, 3 k

9.08
8.90
8.99

5"

8:58

γ Coronae
g 3, 2 h

8.12
7.94
8.03

5"

9:01.5
9.01.5

ω Coronae
e 3, 3 f

7.26
7.08
7.17

5"

9:26

β Lyrae
b 2, 4 c

Naked Eye

Clouds Thick, No chance for
further observations.

L. P. P.

(12) (105)

16

Monday May 16, 1904

8128

$$\begin{array}{r} 9.23 \\ 8.83 \\ \hline 2.03 \end{array}$$
R Can, Vent,
h 3, 3 h

5"

8145

$$\begin{array}{r} 7.60 \\ 2.32 \\ \hline 7.46 \end{array}$$
S Wren Majoris
c 3 2 d

5"

11

$$\begin{array}{r} A.20 \\ P.04 \\ \hline A.12 \end{array}$$
T Wren Maj
e 2, 3 f

5"

(6) (11)

Friday May 20, 1904.

10:30

(3 Lyrae
61, 4 c

Naked Eye

11:00

R Hydrae
m 3, 4 n

"

4 (115)

Saturday May 21, 1904.

8:45

β Ursa Maj.
 $\begin{array}{r} 7.73 \\ 2.56 \\ \hline 7.64 \end{array}$ d 3, 3 e

5"

8:47

β Lyrae
 b 3, 2 c

Naked Eye

9:07

$\begin{array}{r} 7.76 \\ 2.65 \\ \hline 7.65 \end{array}$

γ Coronae
 a 3, 4 b

5"

9:20

$\begin{array}{r} 2.86 \\ 2.62 \\ \hline 2.74 \end{array}$

ω Virginis
 f 4, 1 g

5"

9:31

$\begin{array}{r} 2.12 \\ 2.20 \\ \hline 2.01 \end{array}$

τ Herculis
 e 3, 2 f

5"

9:41

$\begin{array}{r} 6.88 \\ 6.72 \\ \hline 6.80 \end{array}$ τ Cephei
 d 2, 4 e

5"

10:07

$\begin{array}{r} 2.7 \\ 2.5 \\ \hline 2.6 \end{array}$

ρ Serpentis
 d 3, 3 e

5"

10:17

$\begin{array}{r} 7.88 \\ 3.90 \\ \hline 7.89 \end{array}$

τ Ursa Maj.
 d 3, 1 e

5"

10:30

ρ R Librae
 b 3, 6 c

5"
 L.P.

11:17

$\begin{array}{r} 6.94 \\ 6.90 \\ \hline 6.92 \end{array}$

ω Cygni
 c 4, 2 d

20 (35)

Friday June 17, 1904.

9:11	J Cephei	5"
9:11	e 2, 34 f	$\begin{array}{r} 7.32 \\ 7.29 \\ \hline 7.30 \end{array}$
9:19	W Cygni	5"
	c 3, 2 d	$\begin{array}{r} 6.24 \\ 6.20 \\ \hline 6.57 \end{array}$
9:33	J Herculis	5"
	m 2, 2 n	$\begin{array}{r} 9.64 \\ 9.62 \\ \hline 9.63 \end{array}$
10:05	R Delphini	5"
	k 3, 2 l	$\begin{array}{r} 9.61 \\ 9.61 \\ \hline 9.21 \end{array}$
10:20	β Lyrae	Naked Eye
	b 2, 3 c	2 2
10:22	δ Ursa Maj	5"
	d 3, 2 e	$\begin{array}{r} 7.92 \\ 7.66 \\ \hline 7.74 \end{array}$
10:30	R R Libiae	5"
	b 8, 2 c	$\begin{array}{r} 9.3 \\ 9.7 \\ \hline 9.0 \end{array}$
10:43	R Coronae	FIG.
	c 3, 3 d	$\begin{array}{r} 6.14 \\ 5.25 \\ \hline 6.00 \end{array}$

(16) (151)

L.M.D.

Monday June 27, 1904,

8:35

8.16
8.20
8.18

S Ursa Majoris
e 3, 3 f

5"

8:43

7.88
7.90
7.89

T Ursa Majoris
d 3, 1 e

5"

9:08

7.38
7.38
7.33

R Ursa Majoris
e 3, 2 f

5"

9:17

9.02
8.78
8.90

W Virginis
g 3, 2 h

5"

(A) (159) L.P. 11

July 4, 1904

9112

T Herculis

o 2, 1 p

10.60

10.27

10.74

6"

9123

u Cygni

d 2, 2 e

7.30

7.57

7.44

6"

9140

R Ursa Maj.

e 3, 2 f

7.32

7.22

7.33

6"

9146

S Ursa Maj.

e 3, 2 f

2.16

2.30

2.23

6"

9152

T Ursa Maj.

var = e

2.00

6"

10114

u Virginis

g 3, 2 h

9.02

2.72

2.90

6"

10130

R Can. Ven.

b 3, 2 c

7.44

7.26

7.35

6"

11104

S Coronae

o 4, 4 g

6"

10.02

10.69

10.32

No star p on the chart.

11115

R Ophiuchi

m 1, 2 n

6"

9.63

9.62

9.62

(17) (176)

22

S.T.

17 57

July 21, 1904 Thursday

S S Cygni

6"

a 3, 1 b

A.30

A.22

A.26

The difference between $\frac{A.30}{A.22}$ and the var. is very small. But the two were carefully observed several times and the var. was seen to be a little brighter.

18 10

R S Cygni

6"

e 1, 3 f

7.45

7.45

7.45

19 0

S Wras Maj.

6"

var = h

9.22

(6) (182) L.P. to here.

Thursday Aug. 4, 1904.

S.T.

18 13 = A.1

S Wisa Maj.
e 2, 1 m

10.29
10.55
10.42

6"

18 17 = A.2

T Wisa Maj.
f 4, 2 g

f. 74
f. 64
f. 69

6"

18 50 = A.7

V Coronal
e 2, 2 f

9.0

6"

(6 1/100) L.P.P.

24

Tuesday Aug. 9, 1904

Walt

11 12

R Camelof.
b 1, 4 c

5"

$$\begin{array}{r}
 f. 55 \\
 p. 62 \\
 \hline
 f. 57
 \end{array}$$

(2) (180) L.P.

Aug. 10 1904 (Thursday)

850

2 Cygni
C 2, 3 d

6.74
6.80
6.77

5-11

9:45

J Cephei

5-4

F 2, 2 g

7.89
7.92
7.94

\$

11:15

R Camelopardalis
C 2, 4 d

8.65
8.62
8.64

5-11

16 1/196

L. P. P.

26

Aug 15, 1904 (Monday)

10 29

✓

RR Her,

5"

c 3, 3 e ab

comp. star d is much fainter than e.

X Ophiuchi

5"

11 50

a 2, 26 ab

(4) (200)

Aug 17 (Wednesday)

8:30

Tried X Cygni but the var. was too faint for the 5"

9:05

R W Cygni

5"

$\begin{array}{r} 4.9 \\ 2.6 \\ \hline 2.3 \end{array}$

e 4, 2 f

Cir 79-II

9:15

Clouds thick, No chance for further observation.

12/202

(Thursday)

Aug 18 1954

9:55

1/ Andromeda 3"

f 2,0 α = 2.6

(See chart for Notation)

(2) / 204) L.P.P.

$$\begin{array}{r} 13 \ 06 \\ 16 \ 10 \\ \hline 4 \ 4 \end{array}$$

