

KG

11365

918

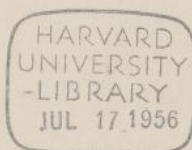
KG 11365, 918

Grey Hill T- p 37 *gv*

ASL = A. L. Leard 38 ff

Guy Hill } Variable Stars
A.S. Leard }

1000ptas.proj. 9194
TG 11365-918



Wednesday March 23, 1904

Wednesday March 13 1904

h 3 v

g.H. obs. ^{10.20}

15 30

v 3 k

ss bygni

6 inch

Thursday March 24, 1904

Thursday March 24 1904
 15 H5 h 2 V
 V 3 K 3 H obs 6 inch
 55 bygni
 10.18
 10.13
 10.16

2 X

4

175
Tuesday March 29 1964

1450

S S bygni 21 39

+ 43

V1 C, b 4 V

2.72

2.60

S by hazy and moon light. 2.56

(7) (4) L.P.P.

Friday April 1 1904

14

15

S S bygni

b 3 V, V I C

~~f. 60~~	f. 62
~~f.~~	f. 40
	<u>f. 57</u>

(Doubtful of observation.)

(z) (s)

Saturday April 2 1904

Visual observation of immersion
at Occultation of α^2 Libral.

Occultation occurred at 36 seconds
after the minute. Signals from
F 13 27. Watch A read
 $16^h 15^m 12^s$ approx.

Watch comparison

A	F 13 27
16 25 0.0	16 25 19

$\therefore$ at occultation time
= $16^h 15^m 36^s$ by F 13 27

Clouds were present just before
and just after the occultation
and the edge of moon in eye
piece was not sharp.

I should estimate the magnitude
of error at from -2 to $+5$ seconds.
due to poor vision.

Thursday April 14 - 1904

16 05

S. S. Cygni (

L 3 V, ^{11.22} sky too bright
for complete observation.

(1) ~~11~~

21	39
17	11
4	28

Sunday April 17

S. S. Bygri

15 15 0 2 v, v 3 h $\frac{11.77}{11.26}$
 $\underline{11.90}$

Sky hazy and observation difficult.

Stars assumed to be 0 and h
do not exactly agree with chart.

(2) (11)

Tuesday May 2 1904

85
13 25

R coronal (F. H.)
C 3 V, V 3 d

$\frac{6.24}{5.85}$
6.10

sky moonlight.

New Star.

D.M. +70

3404

(6")

$\frac{85}{18 \quad 13}$

85
15.14

a 4 V, V 2 b

9.3

original companion
star chosen by Mr
~~Campbell~~ Campbell

(4) (15)

Wednesday May 3

Made two attempts to observe
 SS: Cygni first prevented by
 telegraph and second by
 haze, moonlight and twilight.

15 20
 30

S. I was not visible with high
 power in six inch stars O and P
 were also invisible.

Saturday May 7

S S bygni

14 20

03V, V3h

12.07
11.24
11.26

sky hazy
seeing fair.

(2)(17)

12

Saturday May 21

S S bygni

14 35

m ~~m~~ 4 ro ~~m~~ 1 r

v 4 h

11.72

11.87

11.84

11.81

sky clear.

(3)

(20)

L.P.

Sunday May 22

11 35 S S bygni (6" high power)

(Variable not visible V < m
l and m just visible) v < l

sky hazy and moonlight

14 25 S S bygni (6" high power)

0 2 v
v 3 h

$\frac{11.97}{11.84}$
11.90

sky clear.

14 45 R S cuti F. S.

(first observation made of R S cuti)

b 4 v, v 2 d $\frac{5.22}{4.99}$ sky clear
5.120

14 50 R coronal F. S.

c 2 v, v 3 d $\frac{6.14}{5.85}$ sky clear
6.00

(6) (26)

L.P.P.

Monday May 23 1904

14 50

S S bygni
Approximate observation.

$v = 0$ (humorless) (6" high power)

$n > v$ 3 or 4

$m > v$

Sky very hazy
and passing clouds made more
complete observation impossible.

11.77

(1) (27) L.P.

Tuesday May 24 1904

~~27~~

~~1850~~

~~126~~

S S bygni

11.32
11.77
11.54

8 S
14 24

Approx. $N = 0$
 $N = m$

could not stop for closer
estimate

seeing fair.

(2) 129 L.P.P.

Thursday May 26 1904

15 15

S. S. Cygni

The S S triangle was observed from 10 to 15 seconds. clouds and daylight prevent close observation.

While c, f and g were distinctly visible S S was absolutely invisible. I think l was just visible but not sure.

✓ < g
✓ < f

Friday May 27 1904

14 45

S S by good

6" high power.

M 3 N $\frac{11.30}{11.02}$
 $\frac{11.21}{11.21}$

V 3 M

also L + 5 V

Sky hazy and moonlight
 star invisible high power.

(3) (32)

18

Saturday May 28

14 20

S S Cygni

m 4 v

v = m

11.30

11.32

11.31sky very poor. (Hazy)
stars o and p invisible ~

(2)(34)

Sunday May 29 1904

11 15

S S bygrini 6" high power

e 3 v, v 2 m (and v 5 m)

$$\begin{array}{r} 11.22 \\ 10.70 \\ \hline 10.96 \end{array}$$

Sky very hazy and
moonlight.
Star is not visible except for
short intervals.

14 20

S S bygrini

e 3 v, v 3 m

6" high power

$$\begin{array}{r} 11.22 \\ 10.60 \\ \hline 10.91 \end{array}$$

o and (to just) visible.
Sky clear and moonlight.

(4) (3 P)

LSP

Monday May 30 1904

cloudy all night.

Tuesday May 31

cloudy all night.

22

Wednesday
June 1 1804

blondy all night.

Saturday June 11 1904

14 00

ss bygni

m. v, v 3 n

11.00

11.02

11.01

shy fair.

(2)(40)

Saturday July 2 1904

14 15

SS bygni

6" (high power)

m 2 v, v 2 0

11.52
 11.57
 11.54

shy moonlight
 seeing good

Tuesday July 19 1904

1230 8 S bygni 6" low tower

a 4 v, v = b, v 4 d

A.40
A.32
A.20
A.31

(slightly very crazy)

a bygnae 20 37.3 + 44.85

20 18
23 2

26

Wednesday July 20 1904

12 45

S. P. Bygri

6" low power

b 1 v, v 3 d

sky clear

$$\begin{array}{r}
 2.42 \\
 2.32 \\
 \hline
 2.37
 \end{array}$$

Thursday July 21

12 55

s s bygni

c 1 v, v 3 d

$$\begin{array}{r} 460. \\ 430 \\ \hline 4.45 \end{array}$$

Monday July 25

12 10

S. S. Bygri

6" low power

d 2 v₁ v 3 e

~~2.60~~
~~2.60~~
~~2.60~~

2.40
2.60

2.70

slightly and moonlight

wednesday july 27

12 00

S. S. Bygri

e 4 v, v 2 f

6" low power

9.30

9.19

9.24

sky very hazy

Observation difficult as haze
seemed to vary somewhat.

Friday July 29

H₂O⁺ Appm

6" low power

14 45

h1 v, v 3 k

10.02

10.13

10.10slly, very thin cloud
over most of slly including
region.

Sunday July 31

11 50

S. S. Cygni

6" low and high power

k3 v, v2 l

shy hazy, seeing
fair.

10.73
10.72
10.72

(57)

L.P.P. to here.

Thursday Aug 11 1904
S. S. Cygnus.

13 05

035, N 3h

6" high power
sky clear

Oct 24

1904

34

Jan 8
Jan 8 1905

SS Cygni.

8.5

~~45 50~~

17 50

The twilight and fact that
the star was so low
made the comparison rather
difficult.

V was certainly nearer a
than it was to c.

~~a 4 V~~
~~V = b~~

a 4 V

V 5 C

V = b

p. 40
p. 00
p. 20

6" low power

L.P.P.

shy clear.

(1)

(1)

Feb 7 1905

17 25

R Hydral

Field glass

$$\begin{array}{r} 7.23 \\ 7.62 \\ \hline 7.42 \end{array}$$

h 2 r, v 2 r

shy a little hazy.

17 35

R coronal

Field glass

$$\begin{array}{r} 6.35 \\ 6.42 \\ \hline 6.38 \end{array}$$

d 2 r, v 3 e

shy 0

(2) (3) 2000.

march 11 1905

SS bygni 6" low power

16 35

f 3V, V 2g 9.5

but V1c, c seems to be
certainly fainter than f.

Have no special chart but think
I have stars correct, but not sure.

~~SS is out~~

The star taken to be SS is ^{just} outside
triangle and a faint star just
inside where SS was by memory,
never remember having seen the two
stars together before.

sky constantly shifting
hazy and bothersome

(1)

(4)

March 14 Tuesday 1905
 ss bygni 6" high power
 Slit 0

85
 16 55

m 4 v, v 1 n

Probably wrong
 region on the eleventh.

The end of Guy Hills' Obs.

FUNERAL NOTICE LATER



March 23, 1906

a' 4, 3 a 840

A. S. Leonard Obs.

a' 4, 3 a 10 45
~~1105~~

Saturday March 11 9 16

Dm +55°.1601

a' 3, 4 a

8/5

Saturday March 31. 1912

Sun 4:55 1601

1030

a' 3, 4a

Tuesday, Apr 5, 1916

Dr + JT⁰.1601

750

$\neq a' 3, 3a$

42

Friday April 13, 1906

DM+55° 1601

850

#

a'3v . v 4a

Sunday August 26, 1986

SS Cygni

~~SS Cygni~~

6" Low power

~~SS Cygni~~

815

$v = f$

L

Tuesday August 28 1986

750

SS Cygni

6" Low power

750

U 2 C

f.

Thursday August 2³⁰ 1906

SS Cygni. 6" Southerner

7.50

Estimated 8.2

Cloudy and observation difficult

L

46

Friday Aug 31 1906

SS Cygni
estimated 8.3

7.35

U. U. Cygni

7.38

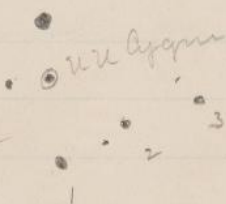
Var 1 grade brighter than star 2 on diagram on opposite page

Saturday September 1 1986

7835.

SS Cygni
estimated 8.3 { 6" low power

U. U Cygni



940

Variable ^{about} 1 grade fainter than 2
in above diagram

Sunday Sept 2, 1906

900

SS Cygni
Estim 8.5

6" Low power

905 U. U. Cygni
Var = star ² of diagram on page 47

Monday Sept 3, 1986

SS Cygni

830

est 8.5

6" low power

850

U.U. Cygni

var about equal to 2 of page 47

Tuesday Sept 4, 1906

SS Lygni
cat 8.8

6" Low power

8.747

~~Wednesday Sept 5, 1956~~

~~S. S. Lygni~~ $\pm$ 5" low power

Wednesday Sept 26, 1986

at Allerton P.R. Island

Atlantic time

740

η Aquilae

naked eye

$v = e$

Friday Sept 28, 1906.

Alberton P.E.I.

naked-eye

~~Antares~~ - double, etc.

A.T.

8 35

a 2 v. v 2 b

 γ Aquilae

54

a. L

Monday Oct 1 1906
n Aquila

Alberton Pl. I.

mchilago

7 30

v - b

S. S Cygni.

8 40

6" Highpower

Estimated 11.9

Sunday October 14, 1986

56

Thursday October 25, 1956

2 Cygni

6" Low power

E.T.

10 20

Estimated 8.5

Sunday November 4, 1966

ET
7 35

l₂ ~~o~~ Ceti
m 2 v. v 3 m

Naked eye

8 45

S S Cygni
Est 11.8

6" length

58

ET
755Thursday Nov 29. 1906
S. S. Cygnus 6" Low power
Est 9.4

Sunday Dec 21 1906

S S Aggr 6¹² Low pm

25
720

Est 8-6

Wednesday January 8, 1908

Jup Sat I dis at $9^{\text{h}} 9^{\text{m}} 40^{\text{s}}$ ^{E.T.} ^{watch}
 $\underline{12^{\text{s}}}$
 9952

Observed c 5 Inch.

Monday April 6, 1908

5 in tel, 1" Eyepiece

Res. Jap Sat 111

Watch N

10. 27 10

4

10 27 6

ET

10 1 Watch N 4⁵ fast

10 32 " " 4⁵ "

Wednesday January 8, 1908

Jup Sat I dis at $9^{\text{h}} 9^{\text{m}} 40^{\text{s}}$ watch n
 $\begin{array}{r} 99 \\ 12 \\ \hline 9952 \end{array}$

Observed c. 5 inch.

Monday April 6, 1908

5 in tel, 1" Eyepiece

Rec. Jap Sar 111

watch n

10 27 10

4

10 27 6

ET

10 1 watch n 4⁵ fast-

10 32 " " 4⁵ "

Friday April 17, 1908

5 inch ^{Del.} 1 inch exposure

Reappears in July 5-2 IV

at 9^h 7^m watch n 3rd fast

9 19 25
3
9 19 22

Reap watch n.

lit. 0394

at 9 26 watch n 3rd fast fpp.

Var? near Orion & Mizar

(1855) 13 19 4 +55 +0.5 +55.0 1601

24 23 22 21 20 19 18 17 16 XIII



S.S. Bygner
XII 1900 Astrophysical Journal.

