

KG

11366

01854

Jan 13 1896 (Monday)

Relative estimates of companion stars
for Wells's Variable. Stewart Obs.

$$\begin{array}{r} 20^{\text{h}} 31^{\text{m}} + 17.8^{\circ} \\ \underline{25^{\text{h}} 15^{\text{m}}} \\ 44 \end{array}$$

Troubled by clouds and haze

6 00

[d] found to be some fainter than (h);
also slightly fainter than ε.

Star ε is five tenths the way from
(h) to [d]

Could get no standard star fainter
than [cb] to get a comparison with.
[f] not visible at all tonight.

6 07

Clouds covered region 7th mag. star
in field disappeared.

Jan 14 1896 (Tuesday)

Relative estimates of Companion stars for
Waller's Variable. Stewart Obs.

20^h 31^m

+ 17.8

25 33

5 02

+ 700 P reading.

6 20

[d] 9 tenths the way from f to g

6 27

[f] not visible in clear field, nor after
putting barium field.

6 45

[x] was estimated to be 5 tenths the way
from d to e

7 00

Seeing rather poor some haze
all but bright star (7th mag) very faint.

Jan 15 1896 (Wednesday)

Relative estimates of comparison stars
for Wells Variable Stewart Obs.

20 31

+ 17.8

25 06

45 35

+ 70.0 I setting

~~6 05~~
5 55

[d] estimated to be equal to f.

[x] estimated to be two tenths the way from e to f.

[f] not visible in open field.

(d) estimated to be seven tenths the way from a to b

(h) estimated to be eight tenths the way from e to f.

Star hazy and low altitude made it impossible to find (b) after returning from recording in Jupiter Eclipse for Mr Wendell.

6 58
~~6 58~~
7 12

Jan 16 1896 (Thursday)

Relative estimates of comparison stars for
Wall's Variable, S Tawant, abs.

20 31

+ 17.8

25 13

442

+ 70.0 S setting

5 40

[d] estimated to be (8) eight tenths the way from b to c

5 48

[x] estimated to be (5) five tenths the way from d to e

5 55

[d] estimated to be (9) ^{one} ~~five~~ tenths the way from f to g

6 05

(h) estimated to be (8) tenths eight tenths the way from d to e

6 15

(l) (star within triangle a, c, (h)) estimated to be (6) six tenths the way from h to k

[f] not visible at all in open field.

(m) not visible in open field.

6 25

faint stars lost in haze

Jan 18 1896 (Saturday)

Relative Estimates of Comp. Stars for
Wells' Variable. Stewart, Obs.

2031

+17.8

2539

508

70.0 P setting.

5546

[x] estimated to be (4) four tenths the way from d to e

5 55

(d) estimated to be (6) six tenths the way from a to b.

6 04

[d] estimated to be (2) two tenths the way from f to g

6 10

(h) estimated to be (1) one tenth the way from f to g

6 20

(l) estimated to be (2) two tenths the way from h to k.

[f] not visible at all

(m) not visible at all

Jan 18. 1896.

Naked eye work on α Ceti star list.
in Burke T. 3. p 116

Identified stars a, b, c, d, e, f, g, h, k, l.

8 45

α Ceti estimated to be (8) eight tenths the way from k to l.

Identified stars m, n, o, p, q, r, s, t, u,
L, β .

9 45

Haze to west near α Ceti.

Triad estimates on several pairs of stars to get an idea of the grades.

Jan 30 1896 (Thursday)

Circumpolar Variables
with 6 inch (Wash Equatorial)
Stewart Obs.

R. Cassiope.

$$\begin{array}{r} 23 \ 51 \\ 5 \ 02 \\ \hline 5 \ 11 \ W \end{array} \quad + \quad 50.6$$

8 05

l 3 Var: Var 2 m

S Persei

$$\begin{array}{r} 2 \ 12 \\ 5 \ 08 \\ \hline 2 \ 56 \ W \end{array} \quad + \quad 57.9$$

8 40

Var = f

T Persei

8 55

c 3 Var Var 2 d

Sunday, November 15, 1896.

o Ceti D. obs.

Invisible to N.E.

Thursday December 9, 1897

β Persei Extraordinary images compared with
ordinary

31A.A

Phot V.

V.V.A

142.2

239.0

13A.A

242.0

13A.4

23A.2

143.A

235.A

134.A

233.A

144.8

237.8

139.0

233.9

142.5

236.7

137.8

238.2

December 9 1897

137.2

237.2

142.3

240.9

144.1

237.5

141.0

232.2

135.4

240.2

136.0

237.0

Same again
Images reversed

8

17

141.3

230.8

140.0

232.0

138.4

239.8

140.8

237.4

December 9, 1897.

8 21 β ~~invisible~~ invisible : clouds.

Much trouble from dew.

Swiftly moving southern send stops observations, " β " barely visible to naked eye through the breaks in the clouds.

9 20 Two stars visible

Dec. 16, 1897 (Thursday)

β Persei

Phot. V.

Frost. Obs.

~~326.4~~

356.0

~~147.0~~

~~324.0~~

11 16 323.2
0.6
324.0
4.0

14

Thursday, Dec 30, 1897Experiments with use
of Photometer & by J. D. S.

11 ^h 42 ^m 00 ^s	234.0
	268.8

1898

Monday, January 3, 1897

Practice with Photometer v by J. D. Dunne

Repetitions of single setting on β Persei & α Persei

Remarks: - Strong moon light. Moon not far away from β Persei. Difficult in reading through reading glass, my breath forming constantly a coat of ice on the glass.	2586	+1.7
	255.5	-1.4
	2586	+1.7
	2586	+1.7
	2560	-0.9
	2541	-2.2
	2568	-0.1
	2568	-0.1
	2563	-0.6
	2573	+0.5
	62.6	+5.5
	7	-5.9
		16.4
		± 1.14

Time
12^h 30^m
Temperature
+ 5.5

Remark: I thought
it best to defer
any regular
observation of
Algol for practice
until some warmer
night.

mean 256.9

254.4

291.9

79.3

Wednesday, January 5, 1898 17
 Observation of β Persei

Watch
 slow 6^s

Photometer V

2000 bar.

Index below and to left

10 22 0 β to Right 254.4 37.0
 291.4
 β left 253.0
 2943 $\frac{39.3}{76.3}$

10 38 41 β left 252.0 39.4
 291.4
 β right 259.0
 288.7 $\frac{29.7}{69.1}$

Index above & right
 344.0 } stopped by clouds
 22.0

11 55 12
 12 18 2

352.2
 17.5 stopped again
 by clouds

Remark: After reversing photometer
 I had much difficulty in getting
 β Persei into field.

Y89Gphae,proj-19580