

18720126-003-3992

KG
11365
398

1872 July 30th
8
n Aug. 9th

KG 11365. 398

KG-11365.395

Record
of
C. S. Peirce's
Photometric Observations
Duplicate
Vol. 8.

8



1872 June 2nd Sunday

Groups ~~23~~ XXII and XXIV

γ Ursae Majoris

Cap 2
color 54

Pinhole 6
Set at 54

-131.2

0.70

~~0.63~~

-52.0

0.59

~~0.53~~

+72.8

0.11

~~0.10~~

+132.2

0.78

~~0.78~~

0.54

X

Cap 2
color 70

Pinhole 6
Set at 70

-157.3

2.35

~~2.10~~

-16.8

3.06

~~2.76~~

+21.1

2.52

~~2.25~~

+160.4

2.69

~~2.66~~

2.65

65 preceding

Cap 0
Color 13Pinhole 6
Set at 13

-125.0

0.85

~~0.80~~

-41.8

1.00

~~0.90~~

+39.1

1.14

~~1.00~~

0.77

3 Camm Venaticorum

Cap 0
Color 80

Pinhole 6

-150.5

1.75

~~1.50~~

-18.3

2.80

~~2.38~~

+23.5

2.27

~~2.03~~

+161.9

2.88

~~2.60~~

2.44

67 Ursa Majoris

Capo
color 50Pinhole 6
Set at 50

-146.8	.149	~~1.33~~
-28.4	1.83	~~1.65~~
+27.3	1.92	~~1.72~~
	<u>1.74</u>	

2. Canum Venaticorum

Capo
color 55Pinhole 6
Set at 55

-147.2	1.51	~~1.35~~
-19.8	2.67	~~2.41~~
+26.3	2.01	~~1.80~~
	<u>2.06</u>	

4 B Canum Venaticorum

Capo
color 50Pinhole 6
Set at 50

-157.4	1.82	~~1.62~~
-21.1	2.52	~~2.27~~
+25.1	2.12	~~1.89~~
	<u>2.15</u>	

29 B

Cap 0
Color 55-Pinhole 6
Set at 55-

-158.6

2.49

~~2.22~~

-15.3

3.29

~~2.86~~

+17.3

2.99~~2.67~~

2.92

6 Canum Venaticorum

Cap 0
Color 55-Pinhole 6
Set at 55-

-137.2

0.95

~~0.85~~

-30.0

1.71

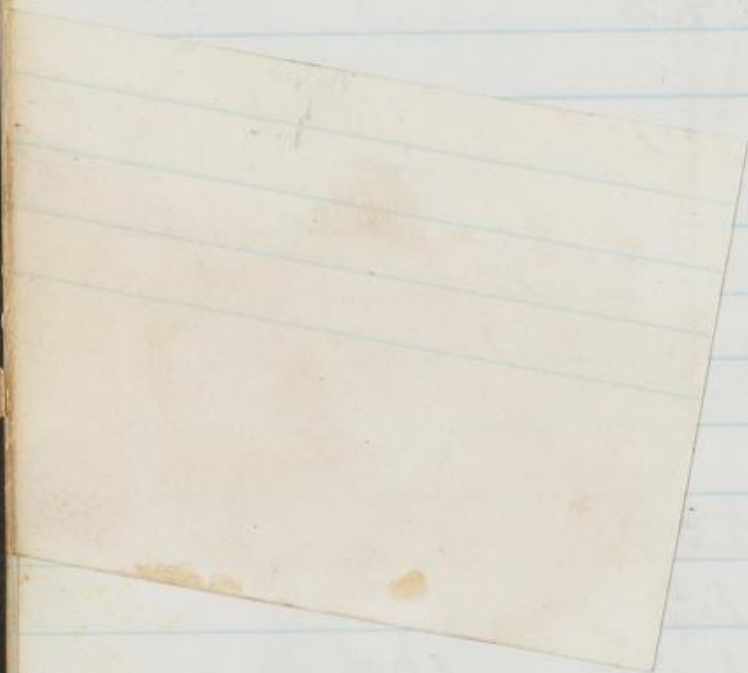
~~1.54~~

+32.3

1.55~~1.58~~

1.30

21
40



1872 July 30th

18 Groups XLVIII & L (continued)

183 South following

Acc.

$$\begin{array}{r}
 66^{\circ} + 37.6 \quad 1.22 \quad \cancel{1.14} \\
 140.5 \quad \underline{1.12} \quad \cancel{1.00} \\
 1.17
 \end{array}$$

226 B

$$\begin{array}{r}
 29^{\circ}.4 \quad 1.75 \quad \cancel{1.37} \\
 142.1 \quad \underline{1.20} \quad \cancel{1.12} \\
 1.47
 \end{array}$$

232 B

$$\begin{array}{r}
 +38.9 \quad 1.15 \quad \cancel{1.93} \\
 143.8 \quad \underline{1.30} \quad \cancel{1.17} \\
 1.22
 \end{array}$$

Stopped by clouds, contraction of pupil in recording for self, troublesome. Colors not consistent and steady, to-night. 166 B is the S. pr. of two distant.



1872 July 31st

Groups ~~52~~ LII and LIII

2 Cygni

Cap 2
color 48

Pinhole 3
Set at 50

+ 54.8	0.50	~~0.45~~
+ 185.2	0.86	~~0.47~~
- 119.1	0.33	
	<u>0.58</u>	
	+ 12	

217 B

Cap 0

Pinhole 6
Set at 50

+ 42.8	0.95	~~0.86~~
+ 141.0	1.14	~~1.02~~
- 137.8	0.98	
	<u>1.02</u>	
	+ 22	

ω 3

Cape 0

Pinhole 6
Set at 50

+ 48.0	0.73	~~0.66~~
+ 134.8	0.85	~~1.76~~
- 106.9	0.11	
	0.56	+23

51

Cape 0

Pinhole 6
Set at 50

+ 42.5	0.97	~~0.86~~
+ 138.2	1.00	~~0.80~~
	0.98	

W₁

Capo

Pinhole 6
Set at 50

$$\begin{array}{r} + 41.1 \\ + 142.1 \\ - 130. \\ \hline 0.66 \\ \hline 0.96 \end{array} \quad \begin{array}{r} 1.03 \\ 1.20 \\ 0.66 \\ \hline 0.96 \end{array} \quad \begin{array}{r} 0.43 \\ 1.08 \\ \hline 1.51 \end{array}$$

W₂

Capo

Pinhole 6
Set at 50

$$\begin{array}{r} + 58.2 \\ + 119.7 \\ - 95.6 \\ \hline 0.00 \\ \hline 0.25 \end{array} \quad \begin{array}{r} 0.40 \\ 0.35 \\ 0.00 \\ \hline 0.25 \end{array} \quad \begin{array}{r} 0.36 \\ 0.31 \\ \hline 0.67 \end{array}$$

55

Cap 1

Pinhole 6
Set at 50

$$\begin{array}{r} + 65.0 \\ + 129.2 \\ \hline 0.63 \\ \hline 0.43 \end{array} \quad \begin{array}{r} 0.24 \\ 0.63 \\ \hline 0.43 \end{array} \quad \begin{array}{r} 0.22 \\ 0.56 \\ \hline 0.78 \end{array}$$

North following 236 B

Cap 0

Pinhole 6

Set at 50

$$\begin{array}{r} + 46.8 \\ 134.8 \end{array}$$

$$\begin{array}{r} 0.78 \\ 0.85 \\ \hline 0.81 \end{array}$$

$$\begin{array}{r} 0.70 \\ 0.76 \\ \hline \end{array}$$

259 B

Cap 0

Pinhole 6

Set at 50

$$\begin{array}{r} + 54.7 \\ + 131.4 \end{array}$$

$$\begin{array}{r} 0.50 \\ 0.71 \\ \hline 0.60 \end{array}$$

$$\begin{array}{r} 0.45 \\ 0.44 \\ \hline \end{array}$$

57

Cap 1

Pinhole 6

Set at 50

$$\begin{array}{r} + 56.6 \\ + 127.7 \end{array}$$

$$\begin{array}{r} 0.45 \\ 0.58 \\ \hline 0.51 \end{array}$$

$$\begin{array}{r} 0.40 \\ 0.52 \\ \hline \end{array}$$

Preceding 56

Cap 0

Pinhole 6

$$\begin{array}{r}
 +41.5 \quad 1.02 \\
 +141.8 \quad 1.19 \\
 \hline
 1.10
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{0.91} \\
 1.06
 \end{array}$$

2

Cap 2

Pinhole 6

$$\begin{array}{r}
 +48.5 \quad 0.71 \\
 +138.1 \quad 1.00 \\
 \hline
 0.85
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{0.94} \\
 0.80
 \end{array}$$

56

Cap 1

Pinhole 6

Set at 50

$$\begin{array}{r}
 +53.2 \quad 0.55 \\
 +133.0 \quad 0.77 \\
 \hline
 0.66
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{0.49} \\
 0.49
 \end{array}$$

Anonymous

Cap 0

Pinhole 6

Set at 50

$$\begin{array}{r}
 +44.1 \quad 0.89 \\
 +131.3 \quad 0.71 \\
 \hline
 0.80
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{0.80} \\
 0.63
 \end{array}$$

1872 August 2nd Friday

Groups XLIX and L

Between e and 120 B

cap 0

Pinhole 6

Set at 45°

+32.5 - 1.53 1. ~~7~~

1872

Aug. 3 Saturday.

Very bright aurora
Examined θ Herculis with naked
eye. - Very red. 9 20 P.M. A good
deal brighter than ν . a little
less bright than ζ . Far less bright
than π .

set at 50°

+43.8

0.91

~~0.81~~

1872 August 2nd Friday

2 . . . V I V and L

Aug. 3 Saturday

Groups LV and LVII

S Cygni

Cap 2
Color 57

Pinhole 6
Set at 50.

+43.8

0.91

~~0.81~~

Between g and g Cygni

Cap 0
Color 62

Pinhole 6
Set at 60

+46.4

0.80

~~0.71~~

g Cygni

Cap 0
Color 52

Pinhole 6
Set at 50

+46.8

0.78

~~0.70~~

... $h\alpha$

Color

Set at 50

+42.4

0.95

~~0.87~~

331 B Cygni

Cap 0

Set at 50

+44.0 0.90 ~~0.91~~

Note.

Great trouble with lamp.

1872 August 4th Sunday

Groups XXXIV and XXXVI

Clear no moon, moderate N.E. Wind.

21 Heronilis

Cap 0
color 73

Pinhole 6
Set at 70

+41.6 1.01 ~~0.91~~

V 2

color 65-Set at 701872 August 6th Tuesday

Groups XLIX and L
 Clear, pretty strong West wind. No moon.
 Between e and 120 B

sape

Pinhole 6
Set at 50

+25.3

2.10

~~1.88~~

+152.7

1.92

~~1.72~~

2.01

e

Capo
color 57Pinhole 6
Set at 50+ 45.8
+ 134.3

0.82	~~0.74~~
0.82	~~0.74~~
<u>0.82</u>	

99 B North preceding

Capo 0

Pinhole 6
Set at 5029.1
153.1

1.78	~~1.60~~
1.96	~~1.76~~
<u>1.87</u>	

99 B South ~~Preceding~~ Foll.

$$\begin{array}{r}
 +26.5 \\
 +155.4 \\
 \hline
 1.99 \\
 2.16 \\
 \hline
 2.07
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{1.79} \\
 \cancel{1.84}
 \end{array}$$

South of 99 B north

$$\begin{array}{r}
 +24.9 \\
 +150.3 \\
 \hline
 2.13 \\
 1.73 \\
 \hline
 1.93
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{1.91} \\
 \cancel{1.55}
 \end{array}$$

South of 99 B South

$$\begin{array}{r}
 +32.8 \\
 +144.3 \\
 \hline
 1.51 \\
 1.33 \\
 \hline
 1.42
 \end{array}
 \quad
 \begin{array}{r}
 \cancel{1.36} \\
 \cancel{1.19}
 \end{array}$$

North of 99 B

+ 20.0	1.71	~~1.53~~
+ 132.8	<u>1.93</u>	~~1.73~~
	1.82	

120 B

+ 31.9	1.57	~~1.41~~
+ 148.3	<u>1.59</u>	~~1.42~~
	1.58	

γ Cygni

Cap 2

Pinhole 5

+ 20.3	0.15	~~0.13~~
+ 117.6	<u>0.30</u>	~~0.27~~
	0.22	

1872phae.proj..398P (18

166 B north following

Cap 0 Pinhole 6

$$\begin{array}{r} +36.4 \\ +158.0* \\ \hline 2.42 \\ \hline \end{array} \begin{array}{r} 1.51 \\ 1.66 \\ \hline 2.01 \end{array} \begin{array}{r} 1.44 \\ 2.17 \\ \hline \end{array}$$

166 B south preceding

Cap 0 Pinhole 6

$$\begin{array}{r} +46.9 \\ +157.6* \\ \hline 1.83 \\ \hline \end{array} \begin{array}{r} 0.78 \\ 1.07 \\ \hline 1.30 \end{array} \begin{array}{r} 0.70 \\ 1.54 \\ \hline \end{array}$$

183 B North Preceding

$$\begin{array}{r} +28.3 \\ +163.3* \\ \hline 3.08 \\ \hline \end{array} \begin{array}{r} 1.84 \\ 2.32 \\ \hline 2.46 \end{array} \begin{array}{r} 1.65 \\ 2.76 \\ \hline \end{array}$$

183 B North following

$$\begin{array}{r}
 +34.8 \\
 +157.2 * \\
 \hline
 1.38 \\
 2.34 \\
 \hline
 \cancel{1.86}
 \end{array}
 \begin{array}{r}
 1.58 \\
 2.10
 \end{array}
 \begin{array}{r}
 1.24 \\
 2.10
 \end{array}$$

282 B

$$\begin{array}{r}
 +38.1 \\
 +156.4 * \\
 \hline
 1.19 \\
 2.26 \\
 \hline
 \cancel{1.72}
 \end{array}
 \begin{array}{r}
 1.50 \\
 1.34
 \end{array}
 \begin{array}{r}
 1.14 \\
 2.13
 \end{array}$$

228 B

$$\begin{array}{r}
 +27.4 \\
 +161.5 * \\
 \hline
 1.91 \\
 2.83 \\
 \hline
 \cancel{2.87}
 \end{array}
 \begin{array}{r}
 2.07 \\
 2.54
 \end{array}
 \begin{array}{r}
 1.76 \\
 2.54
 \end{array}$$

Lamp in some way out of order.
 Stars too near the zenith, obliged to
 stop this group.
 * All these last stars were observed
 with pinhole 5 by accident.

Groups LVII and LIX

Π_2 Cygni

Cap 1

Pinhole 6
Set at 50

+57.3	0.61	~~0.55~~
+124.8	0.49	~~0.44~~
-97.2	0.00	~~0.00~~
	0.37	

Lal.

Cap 0

Pinhole 6
Set at 50

+37.4	1.23	~~1.16~~
+138.8	1.03	~~0.92~~
-117.7	0.30	~~0.27~~
	0.85	

Preceding g

+ 36.0	1.31	~~1.18~~
+ 145.3	1.39	~~1.26~~
- 141.8	1.19	~~1.08~~
	<u>1.30</u>	

g

+ 42.8	0.95	~~0.86~~
+ 134.5	0.83	~~0.75~~
- 132.9	0.77	~~0.68~~
	<u>0.85</u>	

Cap 1 ^S Pinhole 6

+ 66.3	0.22	~~0.26~~
+ 114.2	0.23	~~0.20~~
- 145.0 *	1.37	~~1.23~~
	<u>~~0.67~~</u>	~~1.04~~
		~~1.16~~

7 Lacerta

Cap 1

Pinhole 6

+65.4	0.23	~~0.21~~
+99.4	0.00	~~0.00~~
-141.5*	1.17	~~0.03~~
	~~0.14~~	
	.02	

4 Lacerta

Cap 0

Pinhole 6

+59.7	0.36	~~0.32~~
+136.4	0.92	~~0.92~~
-130.3	0.57	~~0.60~~
	~~0.65~~	

5 Lacerta

Cap 1

Pinhole 6

+58.0	0.41	~~0.36~~
+125.2	0.50	~~0.45~~
-105.2	0.09	~~0.08~~
	0.33	

2 Lacerta

Alt.	Cap 1		Pinhole 6
64.	+48.4	0.72	~~0.94~~
	+131.2	0.70	~~0.63~~
	-132.8	0.76	~~0.68~~
		<u>0.73</u>	

Capo	F 64 Lacerta		Pinhole 6
	+52.9	0.56	~~0.50~~
	+120.4	0.36	~~0.33~~
	-108.3	0.13	~~0.12~~
		<u>0.35</u>	

F 65 Lacerta

+51.7	0.60	~~0.54~~
+133.9	0.81	~~0.33~~
+116.9	0.28	~~0.25~~
	<u>0.56</u>	

* Observed with cap 2.
 † " " " 1

1872 August 7 Wednesday
 Clear. Moon about two days old. Pretty strong S. wind.
 Groups 51 and 52

O 1 Cygni Preceding

Cap 0
 Color 57

Pinhole 6
 Set at 50

+47.6	0.75	~~0.64~~
+131.8	0.72	~~0.65~~
-129.8	0.65	~~0.58~~
-55.0	0.49	~~0.44~~
	0.65	

O 1 Cygni

Cap 2

Pinhole 6

+40.4	1.07	~~0.94~~
+146.2	1.45	~~1.30~~
-136.7	0.93	~~0.83~~
-46.1	0.81	~~0.73~~
	1.06	

O₂ Cygni

Cap 2

Pinhole 6

+32.9	1.51	~~1.35-~~
+143.7	1.29	~~1.16~~
-145.2	1.38	~~1.24~~
-42.9	<u>0.95</u>	~~1.85.~~
	1.28	

178 B Cygni

alt.

Cap 0

Pinhole 6

60	+23.6	2.26	~~2.03~~
	+156.8	2.30	~~2.06~~
	-159.6	2.50	~~2.33~~
	-24.2	<u>2.20</u>	~~1.97~~
		2.34	

Between 178 B and 155 B

+25.6	.207	~~1.86~~
+156.5	2.27	~~2.04~~
-158.7	2.50	~~2.24~~
-25.3	2.10	~~1.88~~
	2.23	

155 B

alt.

	+33.4	.147	~~1.37~~
	+148.8	1.62	~~1.46~~
68	-152.3	1.89	~~1.69~~
	-36.8	1.26	~~1.13~~
		1.56	

182. B

+43.8	0.91	~~0.81~~
+147.0	1.50	~~1.34~~
-142.6	1.23	~~1.10~~
-43.4	0.93	~~0.83~~
	1.14	

Anonima

Cape 0

Pinhole 6

+30.8	1.65	~~1.48~~
+150.8	1.77	~~1.59~~
-149.6	1.68	~~1.51~~
-32.4	1.54	~~1.38~~
	1.66	

56 Cygni

Cap 0

Pinhole 6

+ 51.4	0.61	~~2.515~~
+ 135.6	0.88	~~0.79~~
- 134.3	0.82	~~0.84~~
- 52.0	<u>0.59</u>	~~0.58~~
	0.72	

57 Cygni

Cap 0

Pinhole 6

+ 55.9	0.47	~~0.42~~
+ 133.4	0.79	~~0.71~~
- 123.6	0.45	~~0.40~~
- 52.6	<u>0.35</u>	~~0.33~~
	0.52	

259 B Cygni

Capo

Pinhole 6

+ 38.9	1.15	~~1.93~~
+ 143.7	1.29	~~1.16~~
- 137.3	0.95	~~0.86~~
- 41.4	<u>1.02</u>	~~0.91~~
	1.10	

Following 57

Set at 50

+ 42.7	0.96	~~0.86~~
+ 147.8	1.55	~~1.99~~
- 141.7	1.18	~~1.06~~
- 40.9	<u>1.04</u>	~~0.94~~
	1.18	

alt.

Between the two last

	+ 34.2	1.42	~~1.28~~
	+ 152.5	1.91	~~1.91~~
63	- 149.5	1.67	~~1.50~~
	- 32.1	<u>1.56</u>	~~1.40~~
		1.64	

V Cygni

alt.

Cap 2

Pinhole 6

56	+ 33.1	1.49	~~1.34~~
59	+ 146.9	1.49	~~1.34~~
	- 148.4	1.59	~~1.43~~
	- 35.9	<u>1.32</u>	~~1.18~~
		1.473	

(31)

Groups LIV and LVI

σ Cygni

Cap 2

Pin hole 6

27.4	1.91	~~1.72~~
+149.9	1.70	~~1.53~~
-149.3	1.56	~~1.49~~
-37.7	1.21	~~1.09~~
	1.62	

τ Cygni

Cap 2

Pin hole 6

+33.1	1.49	~~1.34~~
+138.3	1.00	~~0.80~~
-139.2	1.05	~~0.84~~
-53.1	0.55	~~0.49~~
	1.02	

Between a and 5

Cap 0

Pinhole 6

+25.1	2.12	~~1.96~~
+148.1	1.57	~~1.41~~
-150.1	1.72	~~1.54~~
-32.6	<u>1.53</u>	~~1.37~~
	1.73	

A Cygni

Cap 0

Pinhole 6

+26.8	1.96	~~1.86~~
+149.5	1.67	~~1.50~~
-151.9	1.86	~~1.67~~
-29.9	<u>1.72</u>	~~1.54~~
	1.80	

58 Cygni

Cap 0

Pin hole 6

+46.1	0.81	~~0.73~~
+133.4	0.79	~~0.71~~
-118.4	0.32	~~0.28~~
-61.2	0.33	~~0.29~~
	0.56	

5 Cygni

Cap 2

Pinhole 6

+40.5	1.05	~~0.95~~
+137.4	0.95	~~0.86~~
-127.1	0.55	~~0.50~~
-52.5	0.57	~~0.51~~
	0.79	

75 Cygni

Cap 1

Pin hole 6

+43.5	0.92	~~0.83~~
+141.1	1.15	~~1.02~~
-131.6	0.72	~~0.64~~
-52.1	0.58	~~0.52~~
	0.84	

F 24 Cygni Northernmost.

+39.6	1.11	~~1.06~~
+139.2	1.05	~~0.94~~
-134.4	0.83	~~0.74~~
-47.7	0.74	~~0.67~~
	0.93	

Middle one

+38.9	1.15	~~1.03~~
+143.4	1.28	~~1.14~~
-135.4	0.83	0.78
-45.7	0.82	0.74
	1.02	

Southernmost

+29.5	1.75	~~1.57~~
+148.5	1.60	~~1.44~~
-143.1	1.26	~~1.13~~
-39.6	1.11	~~1.00~~
	1.43	

74 Cygni

+ 50.7	0.63	~~0.5/7~~
+ 131.3	0.71	~~0.62~~
- 124.1	0.47	~~0.42~~
- 65.8	0.23	~~0.21~~
	0.51	

A is the Southernmost of three,

1872 August 8th Thursday
 Clear. Moderately bright aurora, pretty strong S. wind, moon alt. 3¹/₂,
 Groups L and L1

O / Preceding

Cap 1
Color 54Pinhole 6
Set at 50

+ 88.4	1.17	~~1.0/5-~~
+ 145.7	1.41	~~1.27~~
	1.29	

01 following

Cap 2
color 58

Pinhole 6
Set at 50

$$\begin{array}{r}
 + 31.8 \\
 + 143.6 \\
 \hline
 1.43
 \end{array}
 \quad
 \begin{array}{r}
 1.58 \\
 1.29 \\
 \hline
 1.43
 \end{array}
 \quad
 \begin{array}{r}
 1.42 \\
 1.15 \\
 \hline
 \end{array}$$

0 2

Cap 0
color 60

pinhole 6
Set at 60

$$\begin{array}{r}
 + 29.5 \\
 + 153.0 \\
 \hline
 1.85
 \end{array}
 \quad
 \begin{array}{r}
 1.75 \\
 1.95 \\
 \hline
 1.85
 \end{array}
 \quad
 \begin{array}{r}
 1.37 \\
 1.15 \\
 \hline
 \end{array}$$

178 B

color 46

Set at 40

$$\begin{array}{r} +26.0 \\ +154.7 \\ \hline 2.03 \\ 2.10 \\ \hline 2.06 \end{array} \quad \begin{array}{r} 2.8/2 \\ 1.88 \\ \hline \end{array}$$

Between 178 B and 155 B

color

Set at 50

$$\begin{array}{r} +23.8 \\ +155.0 \\ \hline 2.24 \\ 2.12 \\ \hline 2.18 \end{array} \quad \begin{array}{r} 2.8/1 \\ 1.81 \\ \hline \end{array}$$

155 B

color 54

Set at 55

$$\begin{array}{r} +28.6 \\ +151.9 \\ \hline 1.82 \\ 1.86 \\ \hline 1.84 \end{array} \quad \begin{array}{r} 2.6/3 \\ 1.87 \\ \hline \end{array}$$

182 B

color 55-

Set at 55-

+31.5	1.60	~~44~~
+150.2	<u>1.72</u>	~~1.55~~
	1.66	

γ Cygni

Cap 2

P in hole 5-

color 51

Set at 50

+52.3	0.58	~~0.52~~
+127.5	<u>0.57</u>	~~0.51~~
	0.57	



166 B South

color 67 1/2 Set at 60

$$\begin{array}{r}
 + 36.7 \quad 1.27 \quad \times 1/4 \\
 + 156.5 * \quad 2.27 \quad 157 \quad 2.05- \\
 \hline
 \cancel{2.27} \quad 139
 \end{array}$$

166 B North

color 52, Set at 50

$$\begin{array}{r}
 + 29.3 \quad 1.76 \quad 1.3/5 \\
 + 160.4 * \quad 2.69 \quad 193 \quad 2.42 \\
 \hline
 \cancel{2.69} \quad 184
 \end{array}$$

183 B following

color 59 Set at 60

$$\begin{array}{r}
 + 26.7 \quad 1.97 \quad 1.27 \\
 + 162.4 * \quad 2.95 \quad 219 \quad 2.65- \\
 \hline
 \cancel{2.95} \quad 208
 \end{array}$$

8
✱

183 Preceding

Set at 50

+21.3
+154.8

2.50
2.11

2.30

~~2.24~~
~~1.89~~

232 B

Set at 50

+29.0
+149.7

1.79
1.69

1.74

~~1.60~~
~~1.51~~

226 B

Cap 0

Pinhole 6

Set at 50

+27.3
+153.1

1.92
1.96

1.94

~~1.72~~
~~1.76~~

Obs. in this group stopped by the stars getting too high.

* These observations were taken with Pinhole 5

Groups LX and LXI

0 Andromedae

Cap 2

Pinhole 6

Set at 50

Alf.

56

+ 35.0

1.37

~~1.23~~

+ 143.1

1.26

~~1.13~~

- 143.5

1.28

~~1.15~~

- 34.6

1.40~~1.20~~1.33

2 Andromedae

+ 42.9

0.95

~~0.85~~

+ 135.7

0.89

~~0.79~~

- 136.1

0.90

~~0.81~~

- 47.6

0.79~~0.87~~0.88

16 Lacertae

+ 37.4	1.23	~~2.16~~
+ 148.5	1.60	~~1.44~~
- 144.5	~~1.34~~	~~1.20~~
- 36.1	1.30	~~1.12~~
	<u>1.37</u>	

14 Lacertae

+ 30.2	1.69	~~2.52~~
+ 152.0	1.86	~~1.77~~
- 147.7	1.55	~~1.39~~
- 29.8	1.72	~~1.55~~
	<u>1.70</u>	

15 Lacertae

Color 67

Set at 60

+ 43.5	0.92	~~0.83~~
+ 135.5	~~0.88~~	~~0.79~~
- 123.6	0.51	~~0.46~~
- 49.5	0.68	~~0.61~~
	<u>0.75</u>	

Groombridge

Set at 50

+ 30.9	- 1.64	~~1.47~~
+ 149.9	1.70	~~1.53~~
- 157.4	1.82	~~1.63~~
- 29.5	<u>1.75</u>	~~1.52~~
	1.73	

7 Anelromedae

Cap 1

+ 47.3	.0.76	~~0.68~~
+ 136.8	0.93	~~0.84~~
- 132.9	0.77	~~0.69~~
- 56.2	<u>0.46</u>	~~0.41~~
	0.73	

8 Andromedae

Cap 1

color 59

Set at 50

+ 44.8	0.86	~~0.77~~
+ 132.3	0.74	~~0.67~~
- 133.3	0.78	~~0.80~~
- 45.0	0.85	~~0.77~~
	0.81	

11 Andromedae

Cap 0

+ 38.5	1.17	~~1.05~~
+ 142.0	1.20	~~1.07~~
- 138.2	1.00	~~0.80~~
- 41.1	1.03	~~0.93~~
	1.10	

4 Andromedae

+40.8	1.05	~~2.9/4~~
+137.8	0.98	~~2.98~~
-135.3	0.87	~~0.98~~
-45.3	0.84	~~0.76~~
	0.93	

Between 4 and 2 but following

+33.1	1.49	~~1.34~~
+150.1	1.72	~~1.44~~
-147.3	1.52	~~1.36~~
-27.6	1.90	~~1.70~~
	1.66	

1872 August 9th Friday
 Clear. Moon about 5 days old, brisk south wind,
 Groups LII and LIV

Preceding 56

Cap 0

Pinhole 6

Set at 5-0

+40.0	1.09	~~2.98~~
+37.9	1.20	~~1.08~~
+145.2	1.38	~~1.24~~
-144.2	1.32	~~1.19~~
	1.25	

56

+59.4	0.37	~~0.33~~
+57.7	0.41	~~0.07~~
+125.8	0.51	~~0.46~~
-107.2	0.11	~~0.10~~
	0.35	

