

1872phae-0-01...333P

KG
11365
397

1872 June 30
7
1872 July 30

KG 11365, 397

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

7

KG 11365.397



1872 June 30th Sunday

Groups XLVII and XLIX

♂ Cygni

Cap 2

color 45

+39.6	1.11
+132.3	0.74
-137.2	0.95
-57.2	0.61
	0.85

Pinhole 5

Set at 50

~~1.00~~
~~0.67~~
~~0.86~~
~~0.58~~

66 B

Cap 0

+45.9	0.82
+137.5	0.97
-134.5	0.83
-47.8	0.74
	0.82

Pinhole 6

Set at 50

~~0.73~~
~~0.87~~
~~0.75~~
~~0.66~~

3

54 B

Cap 0

Pinhole 6

Set at 50

+41.2	1.03	~~0.92~~
+137.1	0.95	~~0.85~~
-134.4	0.83	~~0.74~~
-43.5	0.92	~~0.83~~
	0.93	

v

Cap 2

Pinhole 6

+27.0	1.95	~~1.257~~
+154.2	2.05	~~1.84~~
-148.6	1.61	~~1.44~~
-35.6	1.33	~~1.20~~
	1.73	

99 B 1st

Set at 50

+28.4	1.83	~~1.64~~
+152.8	1.93	~~1.73~~
-147.1	1.51	~~1.30~~
-35.3	1.35	~~1.21~~
	<u>1.65</u>	

99 B 2nd

Set at 50

+26.1	2.03	~~1.82~~
+155.0	2.12	~~1.91~~
-151.6	1.83	~~1.64~~
-26.0	2.03	~~1.82~~
	<u>2.00</u>	

lat S. of 99 B

Set at 50

+32.9	1.51	~~1.34~~
+135.6	2.18	~~1.96~~
-143.2	1.25	~~1.13~~
-34.7	1.39	~~1.25~~
	<u>1.58</u>	

Cal preceding 99B

Set at 50

+29.0	1.79	~~1.60~~
+145.0	2.12	~~1.99~~
-150.1	1.72	~~1.54~~
-32.6	1.53	~~1.37~~
	<u>1.79</u>	

Cal following 99B

Cape

Pinhole 6

Set at 50

+26.6	1.98	~~1.78~~
+154.5	2.08	~~1.87~~
-150.1	1.72	~~1.54~~
-28.3	1.84	~~1.65~~
	<u>1.90</u>	

120B

Cape

Pin hole 6

Set at 50

+31.5	1.60	~~1.44~~
+149.1	1.64	~~1.47~~
-148.6	1.62	~~1.44~~
-31.6	1.59	~~1.43~~
	<u>1.61</u>	

e

Cap 0

Color 50

+40.8

+142.5

-117.9

-51.1

1.05

1.22

0.30

0.62

0.80

Pinhole 6

Set at 50

~~0.94~~~~1.10~~~~0.27~~~~0.55~~

The light of δ makes it hard to measure others near it -

This was a superb night.

1872 July 1st Monday

Pretty clear, very gentle W. wind, no moon -

Groups XL and XLI

Z Herculis

Cap 0

Pinhole 6

Set at 50

+20.0

+161.0

-159.2

-20.0

2.65

2.77

2.55

2.65

2.65

~~2.27~~~~2.48~~~~2.29~~~~2.37~~

F 328

color 41

Set at 50

+ 21.4	2.49	~~2.23~~
+ 156.8	2.30	~~2.06~~
- 158.9	2.52	~~2.26~~
- 23.6	2.26	~~2.03~~
	2.39	

360 B Herculis

color 54

Set at 50

+ 23.9	2.23	~~2.09~~
+ 159.5	2.59	~~2.32~~
- 155.6	2.18	~~1.89~~
- 22.3	2.39	~~2.26~~
	2.35	

386 B Herculis

Set at 50

+ 23.2	2.30	~~2.06~~
+ 157.6	2.38	~~2.13~~
- 154.6	2.09	~~1.87~~
- 22.0	2.42	~~2.17~~
	2.30	

(7)

P XVII 353

Color 61

Set at 50

+32.7	1.52	~~1.36~~
+149.9	1.70	~~1.53~~
-140.8	1.13	~~1.22~~
-34.2	1.42	~~1.28~~
	1.44	

Middle one of 3

Set at 50

+24.5	2.17	~~1.95~~
+156.6	2.28	~~2.05~~
-153.3	1.97	~~1.77~~
-30.3	1.69	~~1.51~~
	2.03	

& Herculis

Cap 2

Pinhole 6

Color 57

Set at 50

+46.8	0.78	~~0.70~~
+132.9	0.77	~~0.69~~
-132.1	0.74	~~0.66~~
-59.5	0.37	~~0.33~~
	0.66	

46 Herculis

color 55

Set at 50

+42.1	0.99	~~0.88~~
+137.0	0.94	~~1.85~~
-125.8	0.52	~~0.46~~
-49.0	0.69	~~0.62~~
	<u>0.78</u>	

336 B North

Set at 50

+32.5	1.53	~~1.37~~
+153.7	2.01	~~1.80~~
-152.6	1.91	~~1.72~~
-27.0	1.95	~~1.75~~
	<u>1.85</u>	

336 B Herculis South

+24.3	2.19	~~1.97~~
+157.6	2.38	~~2.13~~
-155.7	2.19	~~1.87~~
-25.4	2.09	~~1.87~~
	<u>2.21</u>	

297 B Herculis

color 4.7

Set at 50

+31.2	1.62	1.46
+147.4	1.53	1.37
-147.1	1.51	1.35
-29.3	1.76	1.58
	<u>1.60</u>	

Following the last

Set at 50

+ 17.0	3.03	~~2.72~~
+ 161.7	2.86	~~2.56~~
	<u>2.94</u>	

A Nebula

Capo

color 3.5 -

Pinhole 1

Set at 35 -

-177.1	7.36	~~6.61~~
- 3.7	6.76	~~6.07~~
	<u>7.06</u>	

§ 326 is the pr. of two; ζ Herculis is the Southern one of two.
 The star foll. 297 B Herculis is nearly N. of 336 B.
 These obs. were perturbed by clouds.

20

July 2nd 1872 Tuesday

Groups XLV and XLVI

Nearly clear, Westerly breeze, no moon.

R Lyræ

Capo

Pinhole 6

color 75-

Set at 75-

+47.2	0.75	~~0.68~~
+109.0	0.14	~~0.14~~
-116.6	0.28	~~0.25~~
-66.2	0.22	~~0.20~~
	0.35	

16 Lyræ

color 50

Set at 50

+46.3	0.80	~~0.72~~
+139.5	1.06	~~0.95~~
-133.2	0.78	~~0.70~~
-56.1	0.46	~~0.41~~
	0.77	

PXVIII 254

Colors 54

Set at 50

+31.2	1.62	~~1.46~~
+146.4	1.46	~~1.31~~
-140.1	1.10	~~0.98~~
-36.6	<u>1.28</u>	~~1.14~~
	1.36	

10 B 1st

Set at 50

+23.8	2.24	~~2.07~~
+124.9	2.12	~~1.90~~
-154.0	2.03	~~1.82~~
-26.4	<u>2.00</u>	~~1.80~~
	2.16	

10 B 2nd

Set at 50

+27.8	1.88	~~1.69~~
+149.1	1.64	~~1.47~~
-146.3	1.45	~~1.30~~
-34.7	<u>1.39</u>	~~1.25~~
	1.59	

6 B

Set at 50

+ 28.5	1.82	~~1.64~~
+ 149.4	1.67	~~1.49~~
- 148.3	1.59	~~1.42~~
- 29.1	1.78	~~1.60~~
	<u>1.71</u>	

3 Lyrae, Companion

Color 46

Set at 50

+ 34.6	1.40	~~1.25~~
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3 Lyrae Bright Star

Color 48

Set at 50

+ 45.8	0.82	~~0.74~~
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106 B Lyrae

Set at 50

+ 25.7	2.05	~~1.85~~
+ 164.0	3.18	~~2.99~~ ✓
- 149.7	1.69	~~1.51~~
- 31.5	1.50	~~1.44~~
	<u>2.13</u>	

Groombridge

Set at 50

+22.5	2.37	~~2.12~~
+157.0	2.32	~~2.17~~
-157.3	1.81	~~1.62~~
-27.0	<u>1.95</u>	~~1.75~~
	2.11	

 η Lyrae~~Color 44~~

Cap 1

Pinhole 6

Color 44

Set at 50

+47.7	0.74	~~0.67~~
+125.8	0.52	~~0.46~~
-105.6	0.09	~~0.08~~
-83.6	<u>0.02</u>	~~0.11~~
	0.34	

~ Lyrae

Cap 1

Pinhole

Color 49

Set at 50

+56.8	0.44	~~0.39~~
+121.6	0.40	~~0.36~~
-103.0	0.09	~~0.08~~
-90.0	0.00	~~0.00~~
	<u>0.23</u>	

170 B Lyrae

Cap 0

Pinhole 6

Color

Set at 50

+27.7	1.89	~~1.69~~
+142.7	1.55	~~1.39~~
-141.8	1.19	~~1.06~~
-28.6*	<u>1.82</u>	~~1.63~~
	~~1.64~~	1.50

* Cap kept on by accident.

6B is one of a triangle of 3 but doubtful if it is the same star before observed. H Lyrae was afterwards thought not to be so red.

10B²⁰ + 10B¹⁰ are at a considerable distance from each other.

Brownbridge suspected to be variable

Observer nervous and not very well -

1872 July 6th Saturday
Clear, moderate S.E. wind -

Groups XLIV and XLV

R Lyrae

Cap 1

Pinhole 6

Color 68

Set at 70

+57.8

.0.41

~~2.37~~

16 Lyrae

Cap 0

Pinhole 6

Color 47½

Set at 50

+40.8

.105

~~0.94~~

Wind blows Lamp.

~~PXVII 254~~

~~Cap 0~~

~~Pin hole 6~~

~~Color~~

~~Set at 50~~

1872 July 8th Monday

Moon about two days old, sky nearly clear wind southerly.

R Lyrae

cap 1

Pin hole 6

color 74

Set at 75

+58.1	.040	~~0.36~~
+113.8	0.22	~~0.20~~
-81.4	0.03	~~0.03~~
-77.6	0.06	~~0.03~~
	0.18	

183

61

148

49

E 1 Lyrae

Cap 1

Pin hole 6

color 52

Set at 50

+47.3	0.76	~~0.68~~
+133.5	0.79	~~0.71~~
-116.7	0.28	~~0.25~~
-59.6	0.36	~~0.33~~ Rej
	0.55	

E 2 Lyrae

Cap 1

Pin hole 6

color 65

Set at 50

+48.6	0.71	~~0.64~~
+125.2	0.50	~~0.45~~
-116.4	0.27	~~0.24~~
-88.9	0.00	~~0.00~~
	0.37	

R Lyrae

Cap 2

Pinhole

+ 29.1	1.78	~~1.66~~
+ 154.0	2.03	~~1.82~~
- 144.5	<u>1.34</u>	~~1.20~~
	1.72	

E 1 Lyrae

Cap 2

Pinhole

+ 25.4	2.09	~~1.87~~
+ 103.7	2.01	~~1.80~~
- 154.5	<u>2.08</u>	~~1.87~~
	2.06	

E 2 Lyrae

Cap 2

Pinhole

+ 26.0	2.03	~~1.82~~
+ 150.8	1.77	~~1.59~~
- 148.0	<u>1.57</u>	~~1.41~~
	1.79	

Groups L & LII -

v Cygni ~~Groups L and LII~~

Cap 2

Pinhole 6

Color 52½

Set at 50

alts

41 +43.8

0.91 0.81

52 +130.5

0.58 0.51

55 -137.3

0.96 0.86

0.84

0.85 80

-02

57 Cygni

Cap 0

Pinhole 6

Color 51

Set at 50

alts.

48 +70.5

0.15 0.13

+102.7

0.06 0.05

-156.5*

2.27 48 2.04

0.2

0.82 23

*measured with cap. 2

56 Cygni

color 46

Set at 50

alt.

49 + 76.3

0.07

~~0.06~~

54 + 122.8

0.43

~~0.38~~

2

0.25

259 B Cygni

color 58

Set at 50

alt.

49 48.6

0.71

~~0.64~~

54 129.7

0.65

~~0.58~~

2

0.68

Following 57

color 49

Set at 50

alt.

+ 48.8

0.70

~~0.63~~

53 + 134.3

0.82

~~0.74~~

2

0.76

Star preceding 56

21

alts.	Color	Set at 50°
53 +43.8	0.91	~~0.81~~
56 +140.3	<u>1.11</u>	~~0.89~~
~	1.01	

232 B

alts.	Color	Set at 50
+57.2	0.61	~~0.55~~
56 +132.2	<u>0.74</u>	~~0.66~~
~	0.67	

226 B

alts.	Color	Set at 50
53 36.7	1.27	~~1.14~~
~ +147.1	<u>1.51</u>	~~1.35~~
	1.39	

r Cygni

Cap 2

Pinhole 5

color 57

Set at 60

alt.

57 +61.8

0.31

~~0.28~~

60 +119.5

0.34

~~0.31~~0.32

+1

183 B

Cap 0

Pinhole 6

color 70

Set at 50

alt.

57 +36.7

1.27

~~1.11~~

+139.4

1.06~~0.96~~

1.16

+1

166 B

Cap 0

Pinhole 6

color

Set at 50

alt.

+58.6

0.39

~~0.35~~

62 +124.5

0.48~~0.43~~

0.43

+1

The stars foll. 57 & pr. 56, are
regularly belong to the group,
but the names are illegible

1872.

July 12th Friday.

Nearly clear; Clouds in South. Moon
about 6 days old. Nearly Calm.

Groups XLVI & XLVIII

V Lyrae.

Color 61

Set at 60

July 19th Friday.

Gentle North wind Full moon. Haze near
the horizon; clear higher up.

Groups. XLVI & XLVIII

106 B Lyrae

Capo

P in hole 6

Set at 50

alts.

61	+21.8	2.44	~~2.19~~
	+152.9	1.94	~~1.24~~
	+156.0	2.22	~~1.94~~
	+154.9	2.12	~~1.90~~
85	-31.3	<u>1.52</u>	~~1.45~~
		2.07	

Greenbridge

Set at 50

+21.2	2.51	~~2.26~~
+158.2	2.44	~~2.19~~
-157.6	2.38	~~2.13~~
-25.2	<u>2.11</u>	~~1.89~~
	2.34	

4 Lyrae

Cap 1
color 50

Pinhole 6
Set at 50

alts.

60 +46.9	0.78	~~0.70~~
+132.9	0.77	~~0.69~~
77 -116.8	0.28	~~0.25~~
-119.1	0.33	~~0.30~~
-71.6	0.13	~~0.12~~
	<u>0.46</u>	

2 Lyrae

Cap 0
color 73

Pinhole 6
Set at 70

+50.0	0.66	~~0.54~~
+130.3	0.67	~~0.50~~
-111.1	0.17	~~0.18~~
-116.7	0.28	~~0.28~~
-78.6	0.05	~~0.16~~
-25.6	2.07*	~~0.46~~

~~0.55~~

43

170 B

Capo
color 55

Pinhole 6
Set at 50

+31.5	1.60	~~1.44~~
+150.7	1.76	~~1.58~~
-146.6	1.47	~~1.32~~
-40.0	1.09	~~0.98~~
	<u>1.48</u>	

F 423 Lyrae

Cap 0
Color 57

Pinhole 6
Set at 50

Alt.

58 1/2 +35.3	1.35	~~1.21~~
+138.5	1.02	~~0.91~~
-138.1	1.00	~~0.89~~
-43.7	0.91	~~0.82~~
	<u>1.07</u>	

a

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(

P 19 24

Capo

Pinhole 6

Set at 50

alt.

	+ 33.1	1.49	~~1.84~~
68	+ 143.1	1.26	~~1.18~~
	- 140.0	4.09	~~0.98~~
	- 46.2	0.80	~~0.72~~
		1.15	

N.

Capo

Pinhole 6

Color 102†

Set at 100

alt.

62	+ 21.4	2.49	~~2.23~~
	+ 159.8	2.62	~~2.35~~
	- 156.8	2.25	~~2.02~~
	- 27.4	1.91	~~1.72~~
		2.32	

Groombridge 2

alt. color 49 Set at 50

63	+23.9	2.23	~~2.00~~
	+154.2	2.05	~~1.84~~
	-157.9	1.86	~~1.67~~
	-31.7	1.57	~~1.42~~
		1.93	

91 B Lyrae

color 61 Set at 50

+29.8	1.72	~~1.56~~
+146.2	1.45	~~1.30~~
-143.0	1.25	~~1.12~~
-38.5	1.17	~~1.05~~
	1.40	

200

1

20

20

113 B

Cap 0
color 5-3Pinhole 6
Set at 50

alt.

61	+30.7	1.66	~~1.49~~
66	+146.0	1.43	~~1.29~~
72	-138.1	1.00	~~0.89~~
	-44.9	0.86	~~0.77~~
		<u>1.24</u>	

116 B

color

Set at 50

alt.

61	+19.9	2.66	~~2.39~~
	+158.6	2.49	~~2.23~~
	-153.6	2.00	~~1.80~~
	-22.4	<u>2.38</u>	~~2.13~~
		2.38	

* Measured with cap 2.
+ Color 90 at least 67 1/2

2

7
3

1872 July 20th Saturday
 Very clear. Full moon. Moderate Easterly breeze.
 Groups XLV and XLVI

Sky

Color

Set at 25-

+20.7

2.56

~~2.30~~

13 Lyrae

Cap 2

Pinhole 6

Color 72

Set at 70

Alt.

59

28.0

2.12

~~1.91~~

16 Lyrae

Cap 0

Pinhole 6

Color 54

Set at 50.

+40.1

1.08

~~0.97~~

Groups XXXV and XXXVI.

T Herculis

Cap 2
color 45-Pinhole 6
Set at 50
$$\begin{array}{r}
 34.8 \\
 +184.7 \\
 +145.7 \\
 +31.8 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 +144.9 \\
 -142.3 \\
 -39.3 \\
 \hline
 \end{array}$$

0.38

1.41

1.36

1.21

1.13

1.36

1.27

1.24

1.22

1.09

1.01

P Herculis

alt. Cap 2
color 49

Pinhole 6

Set at 50

77 +31.9

72 +100.4

-148.9

-30.7

1.57

1.74

1.63

1.66

1.65

1.41

1.36

1.46

1.42

V Herculis

Cap 2

Pinhole 6

Color 51

Set at 50

alt.

	+24.9	2.13	~~1.91~~
	+152.2	1.88	~~1.89~~
66	-157.0	1.79	~~1.80~~
	-26.2	2.02	~~1.81~~
		<u>1.95</u>	

F 270 Herculis

Cap 0

Pinhole 6

Color 63

Set at 60

alt.

70	+30.8	1.65	~~1.48~~
	+150.3	1.73	~~1.45~~
	-147.5	1.53	~~1.37~~
	-34.0	1.43	~~1.29~~
		<u>1.58</u>	

χ HerculisCap 1
color 52Pinhole 6
Set at 50

+ 54.2

0.52

~~0.46~~

+ 132.1

0.74

~~0.66~~

- 108.5

0.13

~~0.12~~

- 62.3

0.30

~~0.27~~

0.42

Same Star

Cap 2

Pinhole 6

+ 30.5

1.67

~~1.58~~

+ 157.2

1.80

~~1.62~~

- 149.7

1.69

~~1.57~~

- 30.1

1.70

~~1.47~~

1.71

4 Herculis

Capo

Pinhole 6

Set at 50

+35.3	1.35	~~1.21~~
+144.9	1.36	~~1.22~~
-144.0	1.14	~~1.02~~
-40.7	<u>1.05</u>	~~0.95~~
	1.22	

2 Herculis

color 70

Set at 70

+32.1	1.56	~~1.40~~
+149.0	1.54	~~1.47~~
-146.1	1.44	~~1.29~~
-33.7	<u>1.45</u>	~~1.30~~
	1.52	

A

Between X and g

Cap 0
Color 60Pin hole 6
Set at 60

+26.4	2.00	~~1.80~~
+148.6	1.61	~~1.44~~
-146.1	1.44	~~1.29~~
-31.7*	1.59	~~1.42~~
	<u>1.66</u>	

g Herculis

Cap 1
Color 66Pin hole 6
Set at 60

+44.8	0.86	~~0.77~~
+188.3	1.01	~~0.90~~
-139.2	1.05	~~0.94~~
-41.5	1.02	~~0.91~~
	<u>0.98</u>	

* 10^h 17^m,

49 B Herculis

color 65

Set at 60

alt.

75	+32.9	1.51	~~1.35~~
	+146.1	1.44	~~1.29~~
	-144.1	1.32	~~1.18~~
	-39.0	1.14	~~1.02~~
		<u>1.35</u>	

+ Read 135.7, but it is supposed that there was an error of 10° in the reading.

July 28th 1872 Sunday
Clear. Strong West wind. No moon.

Groups L I and L III

01 Cygni Preceding

Cap 1
color 50Pinhole 6
Set at 50

alt.

53	+44.6	0.87	~~0.28~~
63	+133.1	0.78	~~0.20~~
	-134.3	0.82	~~0.24~~
	-53.3	0.54	~~0.49~~
		<u>0.75</u>	

O1 Cygni following

Cap 2
color 62 1/2Pinhole 6
Set at 60

+46.0	0.81	~~0.73~~
+142.0	1.20	~~1.07~~
-135.2	0.86	~~0.77~~
-43.3	0.93	~~0.83~~
	0.95	

O2 Cygni

Cap 1
color 76Pinhole 6
Set at 70

alt:

54 +53.7	0.47	~~0.42~~
+130.2	0.66	~~0.60~~
-113.0	0.20	~~0.18~~
-67.2	0.20	~~0.18~~
	0.38	

O₂ Cygni

Cap 2

Pinhole

+31.4	1.61	~~1.44~~
+157.8	1.85	~~1.66~~
-149.5	1.67	~~1.50~~
-34.4	<u>1.41</u>	~~1.26~~
	1.63	

178 B

Cap 0
Color 49Pinhole 6
Set at 50

+26.8	1.96	~~1.76~~
+152.0	1.86	~~1.67~~
-150.5	1.75	~~1.57~~
-30.8	<u>1.65</u>	~~1.48~~
	1.80	

Between 128 B & 165-B
Capo

Set at 50

+28.9	1.79	~~1.61~~
+152.6	1.91	~~1.82~~
-150.6	1.75	~~1.67~~
-30.2	<u>1.69</u>	~~1.52~~
	1.78	

165-B

Capo
Color 5-8

Pinhole 6
Set at 50

+34.6	1.40	~~1.25~~
+139.7	1.07	~~0.96~~
-145.0	1.37	~~1.23~~
-42.4	<u>0.97</u>	~~0.87~~
	1.20	

182 B

Cap 0
Color 48Pinhole 6
Set at 50

+ 39.5

1.12

~~1.00~~

+ 138.1

1.00

~~0.89~~

- 130.0

0.66

~~0.69~~

- 50.2*

0.65

~~0.58~~

- 48.2

0.72~~0.65~~

0.83

English w 1

Cap 0
Color 46Pinhole 6
Set at 50

alb.

55 + 37.6

1.22

~~1.09~~

+ 144.5

1.34

~~1.20~~

66 - 136.6

0.93

~~0.83~~

70 - 47.7

0.74

~~0.67~~1.06

* Ball.

English w 2

Cap 0
color 50Pinhole 6
Set at 50

+50.1	0.65	~~0.49~~
+134.9	0.85	~~0.76~~
-121.9	0.40	~~0.36~~
-75.5	0.08	~~0.07~~
	<u>0.49</u>	

English w 3

Cap 0
color 76Pinhole 6
Set at 70

+36.8	1.26	~~1.13~~
+143.7	1.29	~~1.16~~
-142.4	1.22	~~1.09~~
-44.3	0.89	~~0.79~~
	<u>1.16</u>	

57 Cygni

Cap 0

Color 49

alt.

Pinhole 6

Set at 50

55 +42.0

+140.0

64 -132.1

-46.1

0.99

1.09

0.74

0.81

0.91

~~0.89~~~~0.88~~~~0.86~~~~0.73~~

X Cygni

Cap 2

Color 41

Pinhole 3

Set at 50

+ 56.7

+ 117.4

-123.7

- 59.0

0.44

0.29

0.45

0.38

0.38~~0.40~~~~0.36~~~~0.41~~~~0.34~~

55 Cygni
Cap 0 Pinhole 6
Set at 50

+55.1	0.49	~~0.44~~	
+123.8	0.46	~~0.41~~	
-100.3	0.04	~~0.04~~	✓
-29.7 †	1.73	~~1.05~~	
	<u>0.68</u>	~~0.23~~	

217 B Cygni

Cap 0 Pinhole 6
Set at 50

+37.9	1.20	~~1.08~~
+146.8	1.49†	~~1.33~~
-136.2	0.91	~~0.81~~
-42.0	0.99	~~0.89~~
	<u>1.15</u>	

† Cap 2

237 B Cygni

Capo

Pinhole 6

Color 69

Set at 50

alt

	+42.9	0.95	~~0.85~~
60	+141.5	1.17	~~1.02~~
	-126.1	0.53	~~0.47~~
	-48.4	<u>0.72</u>	~~0.64~~
		0.84	

Notes. Lamp a good deal blown by wind, & a cloud very near place of observation.

55 Cygni third round, presents the appearance of increased brightness, set on it again, & made it if anything still more bright.

Capo

Pinhole 6

Color 45

Set at 50

alt.

69	+38.3	1.18	~~1.06~~
	+130.9	0.59	~~0.52~~
	-128.9	<u>0.62</u>	
		~~0.83~~	

237 B Cygni

Capo Pinhole 6
 alt Color 69 Set at 50

... 0.05 ...

July 30th 1872

Cleared off late. No recorder. Clear moonless, gentle E wind.

Groups XLVIII and L

F 423

Capo Pinhole 6
 alt. color 45 Set at 50

69	+38.3	1.18	~~1.06~~
	+130.9	0.59	~~0.62~~
	-128.9	0.62	
		<u>0.83</u>	

187 93

P XIX 240

Cap 0

Pinhole 6

color 49

Set at 50

+ 49.7	0.67	~~0.60~~
+ 122.7	0.76	~~0.68~~
- 118.2	0.31	
	<u>0.58</u>	

Nova

Cap 0

Pinhole 6

color 90

Set at 90

+ 27.6	1.90	.62	~~1.70~~
+ 158.3	2.145	1.17	~~2.20~~
	<u>2.17</u>		

Nova (Same)

Cap 0

Pinhole 6

Set at 50

+36.8	1.26	~~7.13~~
+142.7	1.24	~~1.11~~
-136.4	0.92	94 522
-137.5	0.97	
	<u>1.09</u>	

Groombridge 2

Capo

Pinhole 6

Set at 50

+29.1	1.78	~~1.60~~
150.0	~~1.77~~	~~1.53~~
	<u>1.74</u>	

91 B

Cap 0

Pinhole 6

Set at 50

+ 38.4	1.15	~~1.03~~
138.4	<u>1.01</u>	~~0.91~~
	1.08	

113 B

Cap 0

Pinhole 6

Set at 50

+ 139.3	1.43	~~1.91~~
136.6	<u>0.93</u>	~~0.53~~
	1.03	

116 B

Cap 0

Pinhole 6

Set at 50

22.4	2.38	~~2.13~~
155.0	<u>2.12</u>	~~1.91~~
	2.25	

r

Cap 2
Color 48

+ 60.0

+ 128.4

0.35

0.60

0.47

166 B

Pinhole 4

Set 50

0.22

0.34

Cap 0

Color 56

+ 45.2

+ 130.1*

0.85

0.66

0.75

Set at 55

0.76

0.59

.64

M.S. 166 B

~~Set at 54~~

Cap 0

+ 29.7

+ 147.1

1.73

1.51

1.62

183 B

M.Pr.

Pinhole 6
Set at 50

1.55

1.35

+ 26.4

+ 152.2

2.00

1.88

1.94

1.80

1.69

(This group continued on page 5 Vol. 8)
* Set at 50

