

KG
11365
404

1873 Sep 22
14
1873 Sep 30

15G-11365, 404

Record of
C. S. Peirce's
Photometric Observations.

Vol. 15

Duplicate.

KG 11365.402

Sunday, Sept. 22 1873 (continued)

Groups XII & LXI.

360 B.

Cap 0. Pinhole 5.

+ 18.7	3.55
+ 166.0	3.50
- 168.6	4.00
- 12.4	3.79
	3.71

PXVII 353

Cap 0. Pinhole 5.

+ 17.7	2.94
+ 159.5	2.59
- 159.6	2.60
- 19.7	2.68
	2.70

KG 11365, 404



386 B.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 12.2 \\ + 166.8 \\ - 168.3 \\ - 15.5 \\ \hline 3.83 \\ 3.64 \\ 3.94 \\ 3.25 \\ \hline 3.66 \end{array}$$

Middle one of three

Cap 0. Pinhole 5.

$$\begin{array}{r} + 12.6 \\ + 162.6 \\ - 165.1 \\ - 14.7 \\ \hline 3.76 \\ 2.94 \\ 3.35 \\ 3.38 \\ \hline 3.36 \end{array}$$

3 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 31.1 \\ + 149.1 \\ + 148.3 \\ - 32.0 \\ \hline 1.63 \\ 1.64 \\ 1.59 \\ 1.57 \\ \hline 1.61 \end{array}$$

7 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 31.8 \\ + 149.6 \\ - 149.6 \\ - 34.3 \\ \hline 1.58 \\ 1.68 \\ 1.68 \\ 1.41 \\ \hline 1.59 \end{array}$$

Between 347 but 8.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 16.3 \\ + 162.5 \\ - 165.1 \\ - 18.8 \\ \hline 3.13 \\ 2.96 \\ 3.35 \\ 2.79 \\ \hline 3.06 \end{array}$$

8 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 25.7 \\ + 154.0 \\ - 156.6 \\ - 25.8 \\ \hline 2.06 \\ 2.03 \\ 2.28 \\ 2.05 \\ \hline 2.10 \end{array}$$

11 Andromedae *

Cap 0. Pinhole 5.

$$\begin{array}{r} + 21.4 \\ + 157.6 \\ - 160.3 \\ - 18.8 \\ \hline 2.49 \\ 2.38 \\ 2.58 \\ 2.79 \\ \hline 2.58 \end{array}$$

4 Andromedae †

Cap 0. Pinhole 5.

$$\begin{array}{r} + 17.9 \\ + 160.8 \\ - 161.1 \\ - 23.4 \\ \hline 2.91 \\ 2.74 \\ 2.78 \\ 2.28 \\ \hline 2.68 \end{array}$$

Between 4 & 2, but following.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 15.4 \\ + 163.8 \\ - 165.5 \\ - 19.7 \\ \hline 3.27 \\ 3.15 \\ 3.42 \\ 2.68 \\ \hline 3.13 \end{array}$$

Notes on Sunday, Sept. 22 1873.

*11 Andromedae is the n. preceding
of two.

+ 4 Andromedae is the northernmost
of two.

Wednesday, Sept. 24. 1873 -

Groups X-LII & XLIV

μ Lyrae -

Cap 0. Pinhole 5.

+ 33.0

1.50

3 B Lyrae.

Cap 0. Pinhole 5.

+ 21.6

2.46

8 B Lyrae.

Cap 0 Pinhole 5.

+ 17.0

3.03

5 B Lyrae .

Cap 0. Pinhole 5.

+ 18.6

2.82

Note -
Seeing excessively bad.

Thursday, Sept 25. 1873.

Groups XLII + XLIV.

μ Lyrae.

Cap 0. Pinhole 5.

+ 28.1

1.86

3 B Lyrae.

Cap 0. Pinhole 5.

+ 14.9

3.35

8 B Lyrae.

Cap 0. Pinhole 5.

+ 15.4.

3.27

5 B Lyrae -

Cap 0. Pinhole 5.

+ 19.0

2.77

Groombridge.

Cap 0. Pinhole 5.

+ 24.6

2.16

ε Lyrae - S.

*

Note on Groups XLII + XLIV.

- * Clouded up on the E. side -
Wind from the East spoiling
observations.

2.09

2.48
2.19
,

1873phae.proj...405P
Friday, Sept. 26th. 1873 [~~continued~~]

Groups LVIII & LIX.

Wind blows lamp very
badly.

0 Andromedae.

Cap 0. Pinhole 5.

+ 58.6

0.39

0 Andromedae.

Cap 2. Pinhole 5.

+ 21.5

2.48

2 Andromedae.

Cap 0. Pinhole 5.

+ 20.8.

2.55

16 Lacertae.

Cap 0. Pinhole 5.

+ 17.9

2.91

14 Lacertae.

Cap 0. Pinhole 5.

+ 14.7

3.38

15 Lacertae.

Cap 0. Pinhole 5.

+ 21.9

2.43

Groombridge -

Cap 0 Pinhole 5.

+ 14.5

3,42

13 Lacertae -

Cap 0. Pinhole 5.

* + 21.7

2,45

11 Lacertae -

Cap 0. Pinhole 5.

+ 35.9

1,32

6 Lacertae -

Cap 0. Pinhole 5.

+ 28.4

1.83

22 B Lacertae -

Cap 0. Pinhole 5.

+ 16.5

3.10

10 B Lacertae +

Cap 0. Pinhole 5.

+ 11.6

3.96

Cap 0 4 B Lacertae - Pinhole 5
18.7

2.81

Brightest of three between
4 T. 10 Lacertae. * *

Cap 0. Pinhole 5.

+ 30.5

1.67

Notes on Groups I VIII & IX.

* Seeing bad.

+ 10 B is a double star - measured
the following components.

* * This star is reddish.

Friday, Sept. 26th 1873 (continued)

Groups LXII & LXIV.

9 Andromedae. s. p.

Cap 0. Pinhole 5.

+ 16.7

3.08

+ 15.7

3.22

3.15

9 Andromedae. n. f.

Cap 0. Pinhole 5.

+ 18.2

2.87

+ 19.1

2.76

2.81

13 Andromedae -

Cap 0. Pinhole 5.

+ 16.0

3.18

+ 19.3

2.73

2.95

ι Andromedae -

Cap 0. Pinhole 5.

+ 38.3

1.18

+ 45.0

0.85

1.01

κ Andromedae -

Cap 0. Pinhole 5.

+ 46.5

0.79

47.6

0.75

0.77

ι Andromedae -

Cap 2. Pinhole 5.

+ 16.7

3.08

+ 13.0

3.68

3.38

K Andromedae -

Cap 2. Pinhole 5.

+ 17.2

3.00

+ 12.9

3.70

3.35

23 Andromedae -

Cap 0. Pinhole 5.

+ 14.8

3.37

+ 15.4

3.27

3.32

40 B Andromedae -

Cap 0. Pinhole 5.

+ 14.6

3.40

+ 12.5

3.77

3.58

prec^g last.

Cap 0. Pinhole 5.

+ 13.0

3.68

+ 11.4

4.00

3.84

n of last.

Cap 0. Pinhole 5.

+ 13.6

3.57

10.9

4.11

3.84

32 B Andromedae -

Cap 0. Pinhole 5.

+ 14.9

3.35

+ 19.2

2.74

3.04

✓ Andromedae -

Cap 0. Pinhole 5.

$$\begin{array}{r} + 25.2 \\ + 29.2 \\ \hline 2.11 \\ 4.77 \\ \hline 1.94 \end{array}$$

Groombridge.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 13.9 \\ + 15.0 \\ \hline 3.52 \\ 3.33 \\ \hline 8.42 \end{array}$$

114 B Andromedae -

Cap 0. Pinhole 5.

$$\begin{array}{r} + 13.7 \\ + 14.5 \\ \hline 3.55 \\ 3.42 \\ \hline 3.48 \end{array}$$

18 H Andromedae.

Cap 0. Pinhole 5.

+ 23.0

2.32

+ 23.3

2.29

2.30

17 H Andromedae -

Cap 0. Pinhole 5.

+ 20.9

2.54

+ 22.9

2.33

2.43

Saturday, Sept. 27th. 1873 -

Groups I, VIII + I, IX.

7 Lacertae.

Cap 0. Pinhole 5.

+ 47.1	0.77
+ 132.0	0.73
- 127.7	0.58
- 59.8	0.36
	0.61

7 Lacertae.

Cap 2. Pinhole 5.

+ 18.2	2.87
+ 158.4	2.45
- 159.3	2.56
- 21.9	2.43
	2.58

4 Lacertae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 23.1 \\ + 148.1 \\ - 146.5 \\ - 33.3 \\ \hline 1.49 \quad 2.31 \end{array}$$

5 Lacertae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 37.6 \\ + 138.8 \\ - 141.0 \\ - 44.7 \\ \hline 1.22 \\ 1.03 \\ 1.14 \\ 0.87 \\ \hline 1.06 \end{array}$$

2 Lacertae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 36.8 \\ + 144.0 \\ - 147.9 \\ - 31.6 \\ \hline 1.26 \\ 1.31 \\ 1.56 \\ 1.59 \\ \hline 1.43 \end{array}$$

f 65.

Cap 0. Pinhole 5.

+ 24.3
+ 153.3
- 155.6
- 25.4

2.19
1.97
2.18
2.09

2.11

f 64.

Cap 0. Pinhole 5.

+ 26.7
+ 152.7
- 150.1
- 28.7

1.97
1.92
1.72
1.81

1.85

11 Lacertae.

Cap 0. Pinhole 5.

+ 35.9
+ 145.8
- 140.0
- 43.1

1.32
1.42
1.09
0.94

1.19

6 Lacertae -

Cap 0. Pinhole 5.

$$\begin{array}{r} + 31.5 \\ + 146.6 \\ - 143.0 \\ - 37.5 \\ \hline 1.60 \\ 1.47 \\ 1.25 \\ 1.22 \\ \hline 1.38 \end{array}$$

4 B Lacertae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 19.5 \\ + 155.9 \\ - 159.7 \\ - 21.0 \\ \hline 2.71 \\ 2.21 \\ 2.51 \\ 2.53 \\ \hline 2.51 \end{array}$$

10 B Lacertae *

Cap 0. Pinhole 5.

$$\begin{array}{r} + 23.9 \\ + 153.7 \\ - 154.6 \\ - 29.2 \\ \hline 2.23 \\ 2.01 \\ 2.09 \\ 1.77 \\ \hline 2.02 \end{array}$$

22 B Lacertae.

Cap 0 Pinhole 5.

+ 23.1	2.31
+ 160.7	2.73
- 161.2	2.79
- 21.9	<u>2.43</u>
	2.56

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Note on Sat. Sept. 27th. 1873 -

Groups I, VIII & I, IX.

* 10 B Lacertae is the southernmost
of two: following it is a double.

Saturday, Sept 27th, 1873 (continued)

Groups I, XIII & LXV.

18 Andromedae.

Cap 0. Pinhole 5.

+ 19.2	2.74
+ 155.0	<u>2.12</u>
	2.43

2 Andromedae.

Cap 0. Pinhole 5.

+ 55.6	0.47
+ 126.9	<u>0.55</u>
	0.51

λ Andromedae.

Cap 2. Pinhole 5.

$$\begin{array}{r} + 16.7 \\ + 161.8 \\ \hline 3.08 \\ 2.87 \\ \hline 2.97 \end{array}$$

ψ Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 24.0 \\ + 150.0 \\ \hline -2.22 \\ 1.71 \\ \hline 1.96 \end{array}$$

22 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 27.7 \\ + 154.8 \\ \hline -1.89 \\ 2.11 \\ \hline 2.00 \end{array}$$

N. foll. 22 Andromeda.*

Cap 0 Pinhole 5

$$\begin{array}{r} + 18.2 \\ + 159.1 \\ \hline 2.87 \\ 2.54 \\ \hline 2.70 \end{array}$$

π Cassiopeae.

Cap 0. Pinhole 5

+ 26.3

2.01

+ 154.5

2.08

2.04

Bradley.

Cap 0. Pinhole 5.

+ 19.3

2.73

+ 161.2

2.79

2.76

$\circ$ Cassiopeae.

Cap 0. Pinhole 5.

+ 35.7

1.33

+ 148.1

1.57

1.45

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 ψ Cassiopeae⁺

Cap 0. Pinhole 5.

+ 30.2

1.69

+ 153.2

1.96

1.82

Between ϕ & ψ but p.

Cap 0. Pinhole 5.

+ 22.4

2.38

+ 156.8

2.30

2.34

π Andromedae

Cap 0. Pinhole 5.

+ 37.5

1.22

+ 139.1

1.04

1.13

Notes on Sat. Sept. 27th 1873

Groups LXIII & LXV.

* 22 Androm. is the preceding one of two. This is apparently not Heis's Star; is pointed at by two stars n.p. it. it is in a line between these stars and the last.

+ ψ is a good deal fainter than ϕ

Sunday - Sept. 28th 1873.

Groups LVII & LIX.

$\pi 2$ Cygni

Cap 0. Pinhole 5.
Color 100

+ 42.1
+ 137.8
- 127.5

0.99
0.98
0.57
0.85

ρ Cygni.

Cap 0. Pinhole 5.
Color 100

+ 47.4
+ 129.5
- 121.2

0.76
0.64
0.39
0.60

g byeni.

Cap 0. Pinhole 5.

Color 121

+ 24.3

2.119

+ 150.4

1.74

- 154.9

2.12

2.02

PXXI. 140 *

Cap 0. Pinhole 5.

+ 20.9

2.54

+ 155.2

2.14

- 158.3

2.45

2.38

Lalande.

Cap 0. Pinhole 5.

+ 25.4

2.09

+ 152.7

1.92

- 157.3

2.35

2.12

7 Lacertae -

Cap 0. Pinhole 5.
Color 92

$$\begin{array}{r} + 59.3 \\ + 110.6 \\ - 105.5 \\ \hline \end{array} \begin{array}{r} .0.37 \\ .0.16 \\ .0.09 \\ \hline 0.21 \end{array}$$

7 Lacertae -

Cap 2. Pinhole 5.

$$\begin{array}{r} + 21.8 \\ + 154.9 \\ - 157.2 \\ \hline \end{array} \begin{array}{r} 2.44 \\ 2.12 \\ 2.34 \\ \hline 2.30 \end{array}$$

4 Lacertae -
Color 93
Cap 0. Pinhole 5.

$$\begin{array}{r} + 33.2 \\ + 146.8 \\ - 140.8 \\ \hline \end{array} \begin{array}{r} 1.49 \\ 1.49 \\ 1.13 \\ \hline 1.37 \end{array}$$

5 Lacertae[†]

Cap 0. Pinhole 5.
Color 317

+ 40.0

+ 139.9

- 134.0

1.09

1.08

0.81

~~1.15~~

0.99

2 Lacertae.

Cap 0. Pinhole 5.
Color 280

+ 35.6

+ 142.5

- 145.2

1.33

1.22

1.38

1.31

F. 65

Cap 0. Pinhole 5

~~† 35.6 + 22.6~~
~~+ 142.5 + 154.4~~
~~- 145.2 - 155.0~~

2.36

~~1.33~~

~~2.07~~

~~1.22~~

~~2.12~~

~~1.38~~

~~1.31~~

2.18

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$E. 64^{**}$

Cap 0. Pinhole 5.

+ 23.2

418.2

- 149.6

2.30

1.58

1.68

1.85

Notes on Sunday, Sept. 28th 1873

Groups I, VII & LIX.

* PXXI 140 is wrongly placed on my map, and is not on the U^a map at all, but is right in ~~Heis~~.

+ 5 Lacertae is reddish.

** F. 54 is reddish.

Sunday, Sept. 28th 1873 (continued)

Groups L. XI & L. XII.

High wind. Lamp blown a little.

3 Andromedae.

Cap 0. Pinhole 5.

	1.43
+ 34.4	~~1.67~~
+ 145.1	7.38
- 140.1	7.10
	1.36

Between 3 & 7, but 1.

Cap 0. Pinhole 5.

+ 20.4	2.60
+ 158.5	2.48
- 158.6	2.49
	2.52

7 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 34.3 \\ + 143.4 \\ - 141.6 \\ \hline 1.17 \\ 1.29 \end{array}$$

8 Andromedae.

Cap 0. Pinhole 5

$$\begin{array}{r} + 32.1 \\ + 145.9 \\ - 145.7 \\ \hline 1.56 \\ 1.43 \\ 1.41 \\ \hline 1.47 \end{array}$$

11 Andromedae. n.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 23.3 \\ + 154.3 \\ - 156.5 \\ \hline 2.29 \\ 2.06 \\ 2.27 \\ \hline 2.21 \end{array}$$

11 Andromedae . s.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 14.6 \\ + 165.6 \\ - 166.4 \\ \hline 3.40 \\ 3.43 \\ 3.57 \\ \hline 3.47 \end{array}$$

4 Andromedae .

Cap 0. Pinhole 5.

$$\begin{array}{r} + 27.0 \\ + 157.7 \\ - 153.1 \\ \hline 1.95 \\ 2.39 \\ 1.96 \\ \hline 2.10 \end{array}$$

Groombridge *

Cap 0. Pinhole 5.

$$\begin{array}{r} + 15.5 \\ + 166.4 \\ - 163.7 \\ \hline 3.25 \\ 3.57 \\ 3.13 \\ \hline 3.32 \end{array}$$

9 Andromedae. s.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 18.5 \\ + 158.0 \\ - 163.9 \\ \hline 2.83 \\ 2.42 \\ 3.16 \\ \hline 2.80 \end{array}$$

9 Andromedae. n.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 20.8 \\ + 159.1 \\ - 160.1 \\ \hline 2.55 \\ 2.54 \\ 2.66 \\ \hline 2.58 \end{array}$$

13 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 16.7 \\ + 160.3 \\ - 162.4 \\ \hline 3.08 \\ 2.68 \\ 2.95 \\ \hline 2.90 \end{array}$$

1873phae.p40j...405P
v Andromedae.

Cap 2. Pinhole 5.

$$\begin{array}{r} + 14.8 \\ + 162.2 \\ - 166.1 \\ \hline 3.97 \\ 2.92 \\ 3.52 \\ \hline 3.27 \\ 2.19 \\ \hline 1.08 \end{array}$$

k Andromedae.

Cap 2. Pinhole 5.

$$\begin{array}{r} + 16.4 \\ + 163.2 \\ - 164.4 \\ \hline 3.12 \\ 3.06 \\ 3.24 \\ \hline 3.14 \\ 2.19 \\ \hline 0.95 \end{array}$$

p. k Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 18.7 \\ + 163.0 \\ - 163.6 \\ \hline 2.81 \\ 3.03 \\ 3.12 \\ \hline 2.99 \end{array}$$

23 Andromedae. ⁺

Cap 0. Pinhole 5.

$$\begin{array}{r}
 + 16.3 \\
 + 158.3 \\
 - 161.6 \\
 \hline
 3.13 \\
 2.45 \\
 2.84 \\
 \hline
 2.81
 \end{array}$$

40 B Andromedae. ^{**}

Cap 0. Pinhole 5.

$$\begin{array}{r}
 + 16.3 \\
 + 164.5 \\
 - 166.0 \\
 \hline
 3.13 \\
 3.25 \\
 3.50 \\
 \hline
 3.29
 \end{array}$$

32 B Andromedae.

$$\begin{array}{r}
 + 16.5 \\
 + 165.4 \\
 - 165.5 \\
 \hline
 3.10 \\
 3.40 \\
 3.42 \\
 \hline
 3.31
 \end{array}$$

Notes on Sunday, Sept. 28th. 1873

Groups LXI & LXII.

* Groombridge is the s. p. of a triangle.

+ 23 Androm. is the p. of two.

** 40 B is at the right angle of a triangle.

Tuesday, Sept. 30th 1873.

Groups XLII & XLIV.

ε Lyrae. n.⁺

Cap 1. Pinhole 5.

+ 26.2	2.02
+ 157.8	1.85
- 149.2	1.65
- 25.4	<u>2.09</u>
	1.90

ε Lyrae. s.⁺

Cap 1. Pinhole 5.

+ 24.1	2.21
+ 153.3	1.97
- 157.3	1.81
- 31.1	<u>1.63</u>
	1.90

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