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KG
11365
403

1873 Sep 6
13
1873 Sep 2

KG 11365.403

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

Vol. 14

Duplicate.

K611365.403

Saturday - Sept. 6th. 1873

Remarkably clear and calm. Moon nearly full.

Group XL and XLII.

297 B Hercules.
Cap 0. Pinhole 5.

1	+ 20.3	2.51
2	+ 159.1	2.54
3	- 159.1	2.54
4	- 21.4	<u>2.49</u>
		2.54

336 B Hercules.
Cap 0. Pinhole 5.

1	+ 15.5	3.25
	+ 164.5	3.25
	- 165.3	3.38
	- 14.1	<u>3.48</u>
		3.34

KG 11365.401



S. P. 336 B. Hercules.

Cap 0. Pinhole 5.

+ 13.4	3.61
+ 165.4	3.40
- 164.5	3.25
- 14.3	3.45
	3.43

3 B. Lyrae.

Cap 0. Pinhole 5.

+ 17.7	2.94
+ 161.7	2.86
- 163.5	3.10
- 20.3	2.61
	2.88

8 B Lyrae.

Cap 0. Pinhole 5

+ 16.3
+ 162.3
- 163.7
- 21.4

3.13
2.94
3.13
2.49
2.92

5 B Lyrae.

Cap 0. Pinhole 5

+ 20.4
+ 157.6
- 158.9
- 25.1

2.50
2.38
2.52
2.12
2.40

f Hercules

Cap 0 Pinhole 5.

+	25.3	2.10
+	152.2	1.88
-	150.2	1.72
-	31.9	1.57
		1.82

θ Hercules.

Cap 2. Pinhole 5.

+	27.5	1.91
+	156.5	2.27
-	155.0	2.12
-	32.7	1.52
		1.95

μ Lyrae.

Cap 0. Pinhole 5

+ 26.3	2.01
+ 154.5	2.08
- 151.1	1.79
- 29.6	<u>1.74</u>
	1.90

Groombridge.

Cap 0. Pinhole 5.

+ 30.7	1.66
+ 150.5	1.75
- 147.4	1.53
- 36.5	<u>1.28</u>
	1.55

Notes on Groups XL and XLII
Sept. 6th. 1873

3B Lyrae is the following one of
two.
of Hercules is the south-following
one of three.

Monday - Sept. 8th. 1873

Group XXXI and XXXII.

θ Bootae.

Cap 0. Pinhole 5.

Alt.

40.0

+ 42.4

0.97

8

ι Bootae.

Cap 0. Pinhole 5.

Alt.

38½

+ 29.1

1.78

10

κ Bootae.

Cap 0. Pinhole 5.

Alt.

38½

+ 37.7

1.21

10

114B, Bootae.

Cap 0. Pinhole 5.

Alt.

33

+ 20.9

2.54

15

γ Bootae

Cap 2. Pinhole 5.

Alt.

34.

26.9

1.96

14

13 Bootae.

Cap 0. Pinhole 5.

Alt.

37

27.1

1.94

11

λ Bootae.

Cap 0. Pinhole 5.

Alt.

36

43.3

0.93

12

γ H. Bootae.

Cap 0. Pinhole 5.

Alt.

32

28.3

1.84

17

Monday, Sept. 8th continued.

Groups XXXVIII and XXXIX

2 Hercules.

Cap 0. Pinhole 5.

+ 59.4
+ 132.4
- 127.2
- 56.0 * Rej.

0.37
0.75
0.56
0.46

0.53
0.56

2 Hercules.

Cap 1. Pinhole 5.

+ 39.3
+ 142.7
- 138.2

1.13
1.24
1.00

1.12

2 Hercules.

Cap 2. Pinhole 5.

+ 22.1

2.41

+ 159.6

2.58

- 157.7

2.39

2.46

p. XVII 69 Hercules.

Cap 0. Pinhole 5.

+ 17.3

2.99

+ 162.6

2.98

- 160.5

2.71

2.89

271 B. Herculis.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 20.5 \\ + 155.2 \\ - 158.4 \\ \hline 2.59 \\ 2.24 \\ 2.46 \\ \hline 2.43 \end{array}$$

228 B. Herculis.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 26.8 \\ + 148.2 \\ - 157.0 \\ \hline 1.96 \\ 1.58 \\ 1.79 \\ \hline 1.78 \end{array}$$

γ Herculis.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 21.0 \\ + 154.3 \\ - 157.0 \end{array}$$

$$\begin{array}{r} 2.53 \\ 2.06 \\ 2.32 \\ \hline 2.30 \end{array}$$

γ Herculis

Cap 0. Pinhole 5.

$$\begin{array}{r} + 17.1 \\ + 159.1 \\ - 161.7 \end{array}$$

$$\begin{array}{r} 3.02 \\ 2.54 \\ 2.86 \\ \hline 2.81 \end{array}$$

74 Hercules.

Cap o. Pinhole 5.

$$\begin{array}{r} + 21.8 \\ + 156.9 \\ - 160.0 \end{array}$$

$$\begin{array}{r} 2.44 \\ 2.31 \\ 2.65 \\ \hline 2.47 \end{array}$$

Groombridge.

Cap o. Pinhole 5.

$$\begin{array}{r} + 16.2 \\ + 162.1 \\ - 163.4 \end{array}$$

$$\begin{array}{r} 3.15 \\ 2.91 \\ 3.09 \\ \hline 3.05 \end{array}$$

η Herculis.

Cap 2. Pinhole 5.

Alt.

47 24.7 +
45 152.7
43 - 152.4

2.15
1.92
1.90
1.99

σ Herculis.

Cap 0. Pinhole 5.

+ 33.5
+ 138.2
- 133.7

1.47
1.00
0.80
1.09

Notes on
Groups XXXVIII & XXXIX.

2 Hercules. Cap 1. Pinhole 5. * Clouds
formed.

P. XVII 69 Hercules, Southern of two.

+ Time 9^h 13^m.

Tuesday, Sept. 9th. 1873.
 Lamp blown
 by the wind. Flying clouds.

Group XXXIX and XL.

α Hercules.

Cap 0. Pinhole 5.

+ 39.5	1.12
+ 124.8	0.49
- 127.3	0.56
- 59.7	0.36
	0.63

γ Hercules.

Cap 0. Pinhole 5.

+ 20.2	2.62
+ 153.4	1.98
- 157.1	2.33
- 22.6	2.36
	2.32

x Hercules.

Cap 0. Pinhole 5.

+ 19.3	2.73
+ 157.6	2.38
- 162.3	2.94
- 20.1	<u>2.63</u>
	2.67

~~P.~~ XVII 69

Cap 0. Pinhole 5.

+ 15.2	3.30
+ 161.5	- 2.83
- 163.6	<u>3.12</u>
	3.08

θ Herculis.

Cap 2. Pinhole 5.

+ 24.5
+ 156.6
- 158.0

2.17
2.28
2.42
2.29

φ Herculis.

Cap 0. Pinhole 5.

+ 27.4
+ 151.7
- 153.1

1.91
1.84
2.13
1.95

ρ. x Herculis.

Cap 0. Pinhole 5.

+ 13.7
+ 162.4
- 165.6
- 16.2*

3.55
2.95
3.43
3.15
3.27

74 Hercules.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 22.7 \\ + 156.1 \\ - 157.1 \end{array}$$

$$\begin{array}{r} 2.35 \\ 2.23 \\ \underline{2.33} \\ 2.30 \end{array}$$

S of 74 Hercules.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 16.3 \\ + 166.1 \\ - 165.0 \end{array}$$

$$\begin{array}{r} 3.13 \\ 3.52 \\ \underline{3.33} \\ 3.33 \end{array}$$

P. of Hercules.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 18.9 \\ + 157.9 \\ - 161.0 \end{array}$$

$$\begin{array}{r} 2.78 \\ 2.41 \\ \underline{2.77} \\ 2.65 \end{array}$$

p.p. of Hercules.

Cap a. Pinhole 5.

$$+ 14.2$$

$$3.47$$

$$+ 166.2$$

$$3.53$$

$$- 166.6$$

$$3.61$$

$$\underline{3.54}$$

336 B Hercules.

Cap o. Pinhole 5.

$$+ 17.4$$

$$2.98$$

$$+ 164.5$$

$$3.25$$

$$- 166.5$$

$$3.59$$

$$\underline{3.27}$$

n 336 B Hercules.

Cap o. Pinhole 5.

$$+ 17.2$$

$$3.00$$

$$+ 161.8$$

$$2.87$$

$$- 164.7$$

$$3.29$$

$$\underline{3.05}$$

297 B Hercules.

Cap 0. Pinhole 5.

$$\begin{array}{r} + \quad 16.5 \\ + 156.5 \\ - 157.6 \\ \hline 2.58 \end{array} \quad \begin{array}{r} 3.10 \\ 2.27 \\ 2.38 \\ \hline 2.58 \end{array}$$

Notes on Groups XXXIX & XLI.

P.XVII 69 ~~Heracles~~ Southern of two.

* Further observations prevented
by clouds.

+ cloud suspected.

Wednesday. Sept. 10th. 1873

Groups XXXVII & XXXVIII

z Herculis.

Cap 0. Pinhole 5.

+ 36.9

1.25

y Herculis.

Cap 0. Pinhole 5.

+ 16.3

3.13

* κ Herculis.

* Sky clouded over.

Thursday, Sept. 12th. 1873

Groups XXXVII & XXXIX

ϵ Herculis.

Cap 1. Pinhole 5.

+	37.7	1.21
+	144.7	1.35
-	138.9	1.03
-	39.8	<u>1.10</u>
		1.17

γ Herculis.

Cap 0. Pinhole 5.

+	24.5	2.17
*	+ 155.1	2.13
-	156.0	2.22
-	23.8	<u>2.24</u>
		2.19

x *Herculis.*

Capo. Pinhole 5.

$$\begin{array}{r} + 18.4 \\ + 156.6 \\ - 160.9 \\ - 22.3 \\ \hline 2.84 \\ 2.28 \\ 2.76 \\ 2.39 \\ \hline 2.54 \end{array}$$

74 *Herculis.*†

Capo. Pinhole 5.

$$\begin{array}{r} + 23.7 \\ + 157.2 \\ - 154.3 \\ - 27.9 \\ \hline 2.25 \\ 2.34 \\ 2.06 \\ 1.87 \\ \hline 2.13 \end{array}$$

p. XVII 69 *Herculis.*

Capo. Pinhole 5.

$$\begin{array}{r} + 16.1 \\ + 162.7 \\ - 162.6 \\ - 18.3 \\ \hline 3.16 \\ 2.99 \\ 2.98 \\ 2.86 \\ \hline 3.00 \end{array}$$

52 Hercules.

Cap 0. Pinhole 5.

+ 23.7

2.25

+ 152.0

1.86

- 147.3

1.52

- 34.6

1.40

1.76

Σ 2063

Cap 0. Pinhole 5.

+ 17.9

2.91

+ 160.4

2.72

- 157.8

2.40

- 22.0

2.42

2.61

Lalande 30328

Cap 0. Pinhole 5.

+ 19.1

2.76

+ 160.1

2.66

- 159.9

2.53

- 20.1

2.63

2.67

~
*
+

42 Hercules.

Cap 0. Pinhole 5.

+ 29.5

1.75

+ 148.8

1.62

- 149.2

1.65

* Windklaus camp.

+ 74 is reddish.

- 35.6

1.33

Groups XLII & XLIII

1.59

z Hercules.

Cap 0. Pinhole 5.

+ 11.1

4.06

+ 166.7

3.52

- 167.6

3.79

3.82

F. 328 fol.

Cap 0. Pinhole 5.

+ 10.5

4.20

+ 166.1

3.52

- 169.7

4.25

3.95

1873phae.p00j...404p

F. 328 pr.

Cap 0. Pinhole 5.

+ 12.4

3.79

+ 166.4

3.57

- 167.2

3.72
3.69

360 B Hercules.

Cap 0. Pinhole 5.

+ 12.1

3.85

+ 165.8

3.47

- 167.7

3.81
3.77

p xvii 353 Hercules

Cap 0. Pinhole 5.

+ 16.9

3.05

+ 161.1

2.78

- 162.0

2.90
2.91

386 B Hercules.

Cap 0. Pinhole 5.

$$\begin{array}{r}
 + 10.6 \\
 + 167.9 \\
 - 167.2 \\
 \hline
 4.18 \\
 3.85 \\
 3.72 \\
 \hline
 3.92
 \end{array}$$

Groombridge.

Cap 0. Pinhole 5.

$$\begin{array}{r}
 + 24.4 \\
 + 153.5 \\
 - 152.7 \\
 \hline
 2.18 \\
 2.98 \\
 1.92 \\
 \hline
 2.03
 \end{array}$$

5 B Lyrae.

Cap 0. Pinhole 5.

$$\begin{array}{r}
 + 20.4 \\
 + 161.5 \\
 - 162.0 \\
 \hline
 2.60 \\
 2.83 \\
 2.90 \\
 \hline
 2.78
 \end{array}$$

8 B Lyrae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 15.8 \\ + 163.1 \\ - 166.2 \times \\ \hline 3.21 \\ 3.05 \\ 3.53 \\ \hline 3.26 \end{array}$$

μ Lyrae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 23.5 \\ + 154.5 \\ \hline 2.27 \\ 2.08 \\ \hline 2.17 \end{array}$$

3 B Lyrae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 17.5 \\ + 162.2 \\ \hline 2.96 \\ 2.92 \\ \hline 2.94 \end{array}$$

Notes on Thursday, Sept. 12. 1873 -
Groups XXXVII & XXXIX.

~~* Wind blows lamp.~~
~~* 74 is reddish.~~
~~* Stopped by clouds.~~

Tuesday, Sept. 16th 1873

~~Group XLIII + XLIV~~. Certain doubtful stars.

Strong North wind.

ϵ Herculis.

Cap 1. Pinhole 5.

+ 62.6

0.29

θ Herculis.

Cap 1. Pinhole 5.

+ 78.6

0.05

A Herculis.

Cap 2. Pinhole 5

+ 34.1

1.43

2 Herculis.

Cap 2. Pinhole 5

+ 33.3

+ 32.2

1.48

1.55

1.51

α Lyrae.

Cap 2. Pinhole 1

*

Groups XLII & XLIV

ϵ Lyrae. s.

Cap 0. Pinhole 5.

+ 44.5

0.88

ϵ Lyrae. n. +

Cap 0. Pinhole 5

+ 43.9

0.90

65 B.

Cap 0. Pinhole 5.

+ 18.6

2.82

84 B.

Cap 0. Pinhole 5.

+ 20. 2

2.52

92 B.

Cap 0. Pinhole 5.

+ 31. 0

1.54

μ Lyrae.

Cap 0. Pinhole 5.

41. 6

7.01

3 B.

Cap 0. Pinhole 5.

+ 18.7

2.81

8 B.

Cap 0. Pinhole 5.

+ 22.1

2.41

5 B.

Cap 0. Pinhole 5.

+ 23.0

2.32

Between 5 + 8 B. **

Cap 0. Pinhole 5.

+ 20.3

2.61

Groombridge ++

Cap 0. Pinhole 5.

38.6 ?

1.16

Notes on Tuesday, Sept. 16. 1873

* Too bright to measure.

+ ϵ Lyrae. n. seems to be very slightly brighter than ϵ Lyrae. s.

** Before measuring this star lamp was blown out and was relit.

++ Lamp very much blown by the wind.

Tuesday, Sept. 17th. 1873.

Superb night.

Groups LXIV & LXVI

✓ Andromedae.

Cap 2. Pinhole 5.

+	16.4	3.12
+	164.4	3.24
-	162.9	3.02
-	15.8	3.21
		3.15

39 Andromedae.

Cap 0. Pinhole 5.

+	23.2	2.30
+	158.3	2.45
-	157.0	2.32
-	24.2	2.20
		2.32

44 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 23.1 \\ + 153.3 \\ - 156.2 \\ - 29.0 \\ \hline 2.31 \\ 1.97 \\ 2.24 \\ 1.79 \\ \hline 2.08 \end{array}$$

41 Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 34.5 \\ + 145.0 \\ - 145.5 \\ - 34.2 \\ \hline 1.40 \\ 1.37 \\ 1.40 \\ 1.42 \\ \hline 1.40 \end{array}$$

P.I. 69*

Cap 0 Pinhole 5.

$$\begin{array}{r} + 23.5 \\ + 156.2 \\ - 156.8 \\ - 21.9 \\ \hline 2.27 \\ 2.24 \\ 2.30 \\ 2.43 \\ \hline 2.31 \end{array}$$

Middle one of Triangle.

Cap 0. Pinhole 5.

+ 15.6

3.24

Preceding one of Triangle.

Cap 0. Pinhole 5.

+ 16.6

3.09

S. P. I. 69

Cap 0. Pinhole 5.

+ 15.4.

3.27

164 B Andromedae.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 20.0 \\ + 155.3 \\ - 161.1 \\ - 26.6 \\ \hline 2.65 \\ 2.15 \\ 2.78 \\ 1.98 \\ \hline 2.39 \end{array}$$

Groombridge.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 15.7 \\ + 162.4 \\ - 161.6 \\ - 21.0 \\ \hline 3.22 \\ 2.95 \\ 2.84 \\ 2.53 \\ \hline 2.88 \end{array}$$

141 B Androm.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 17.2 \\ + 157.7 \\ - 162.9 \\ - 19.7 \\ \hline 3.00 \\ 2.39 \\ 3.02 \\ 2.58 \\ \hline 2.77 \end{array}$$

18 H. Androm.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 16.8 \\ + 144.0 \\ - 144.2 \\ - 39.9 \\ \hline \end{array} \quad \begin{array}{r} 1.25 \\ 3.06 \\ 1.31 \\ 1.32 \\ 1.10 \\ \hline 1.89 \\ 1.25 \end{array}$$

17 H. Androm.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 33.0 \\ + 145.2 \\ - 151.0 \\ - 37.9 \\ \hline \end{array} \quad \begin{array}{r} 1.50 \\ 1.38 \\ 1.79 \\ 1.20 \\ \hline 1.47 \end{array}$$

Notes on Tuesday, Sept. 17. 1873.

* The following one of a triangle.

Sunday, Sept. 22^d 1873.

Groups *XLI* & *LXI*.

2 *Herculis*.

Cap 0. Pinhole 5.

$$\begin{array}{r} + 12.0 \\ + 169.5 \\ - 169.1 \\ - 10.3 \\ \hline \end{array} \quad \begin{array}{r} 3.87 \\ 4.20 \\ 4.11 \\ 4.25 \\ \hline 4.17 \end{array}$$

F. 328

Cap 0. Pinhole 5

$$\begin{array}{r} + 12.2 \\ + 166.6 \\ - 168.8 \\ - 13.0 \\ \hline \end{array} \quad \begin{array}{r} 3.83 \\ 3.61 \\ 4.04 \\ 3.68 \\ \hline 3.79 \end{array}$$

