

KG
11365
396

1872 June 10
6
1872 June 20

RG 11365.396



AC 11365.396

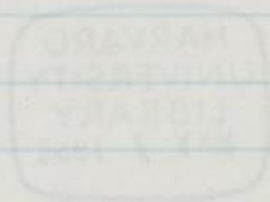
Record
of
C. S. Peirce's
Photometric Observations

Duplicate

Vol. ~~1~~ 7

6





1872 June 10th Monday

Groups XLIV and XLV

66 B Lyrae.

Capo	Pinhole 6
color 30	
-158.4	2.20
-24.5	1.96
+28.9	1.60
+153.5	1.80
+156.7	2.06

84 B Lyrae

Capo	Pinhole 6
color 40	
-152.5	1.70
-26.4	1.80
+30.7	1.48
+150.4	1.57

22 B Lyrae

Capo	Pinhole 6
color 65-	
-157.2	1.69
-25.1	1.91
+27.0	1.74
+152.6	1.72

13

Capo	Pinhole 6
color 80	
-142.0	1.07
-47.0	0.70
+47.5	0.67
+129.0	0.56
+126.1	0.47

16

13

Cap 0	Pinhole 6
Color 50	
-145.4	1.25
-39.6	1.00
+50.8	0.56
+137.7	0.88
+131.2	0.65

P 17 254 Lyrae

Cap 0	Pinhole 6
Color 50	
-155.7	1.96
-32.0	1.41
+30.0	1.53
+148.3	1.43
+151.4	1.64

6B Cygni

Capo
color 50

Pinhole 6

-150.1	1.53
-26.0	1.83
+26.5	1.78
+157.4	1.64

10B Cygni

color 55

-158.1	2.17
-26.5	1.80
+24.2	1.97
+152.7	1.73

1872 June 11th Tuesday

Groups XLIII and XLV

401 B Herculis

Cap 0

Pinhole 6

Color 45-

-155.3

1.89

-24.7

1.92

+24.9

1.90

+154.6

1.87

420 B Herculis

Cap 0

Pinhole 6

Color 35-

-156.3

1.98

-27.2

1.72

+80.4

1.49

+151.7

1.65

Lal.

Capo

color 60

-161.0

-18.1

+18.9

+157.1

+164.1

Pinhole 6

2.44

2.58

2.47

2.09

2.88

168 B Draconis

Capo

color 165-

-146.5

-33.7

+37.5

+146.7

Pinhole 6

1.28

1.29

1.08

1.27

13

Cap 0
color 70

-189.8

-52.3

+61.7

+123.3

Pinhole 6

0.65

0.48

0.26

0.39

13

Cap 1
color 70

-141.1

-40.8

+39.5

+137.8

Pinhole 6

0.95

0.92

0.98

0.87

16 Lyrae

Cap 0

Pinhole 6

color 50

-142.6

1.03

-45.8

0.71

+38.7

1.01

+137.9

0.87

P XVII 254

Cap 0

Pinhole 6

color 50

-152.0

1.61

-27.2

1.71

+28.0

1.65

+152.6

1.71



206 B Draconis

Cap 0

Pinhole 6

color 50

-156.2

1.96

-22.5

2.03

+22.6

2.09

+156.3

2.02

6 B Cygni

Cap 0

Pinhole 6

color 50

-157.1

2.01

-26.9

1.73

+24.0

1.96

+152.2

1.67

10 B Cygni

Cap 0	Pinhole 6
Color 30	
-157.5	1.55
-25.2	1.86
+22.1	2.13
+147.3	1.35
+151.0	1.59

1872 June 12th

Groups XXXV and XXXVII

F 270

Cap 0	Pinhole 6
Color 57	Set at 50
-157.6	1.61
-32.6	1.37
+34.6	1.25
+27.7	1.69
+147.7	1.39

V

Cap 2

Color 46

-157.3

-27.5

+25.4

+158.2

Pinhole 6

Set at 50

2.10

1.72

1.87

2.20

9

Cap 2

Color 47 1/2

-155.9

-33.0

32.5

154.8

Pinhole 6

Set at 50

1.98

1.34

1.37

1.66

τ

Cap 2

Color 49

-153.0

-32.1

+35.4

+135.2

Pinhole 6

Set at 50

1.74

1.21

1.20

0.78

σ 2,063

Cap 0

Color 56

-148.3

-32.7

+33.4

+148.4

Pinhole 6

Set at 50

1.42

1.37

1.32

1.44

Anon L

Cap 0

color 51

-147.7

-31.5

+29.1

+146.3

Pinhole 6

Set at 50

1.38

1.44

1.59

1.31

42

Cap 0

color 65

-141.2

-44.1

+43.5

+132.2

Pinhole 6

Set at 65

1.03

0.81

0.82

0.67

52

color 47

Set at 50

-129.0	0.55
-55.3	0.44
+45.7	0.74
+122.9	0.39

June 12th

Groups XL I and XL III

F 328 Preceding

Capo	Pinhole 6
color 37	Set at 50
-158.9	2.25
-18.6	2.54
+20.0	2.36
+157.7	2.15

F 328 Following
Color Set at 50

-159.2	2.28
-16.9	2.75
+19.8	2.39
+160.5	2.44

Northernmost of 3
Set at 50

-160.1	2.37
-18.9	2.57
+16.2	2.81
+160.4	2.43

Middle one of 3
Color 69 Set at 70

-159.3	2.29
-21.6	2.22
+19.9	2.37
+156.1	2.01

Southernmost of 3

Set at 50

-160.7	2.44
-16.9	2.75
+20.3	2.33
+160.0	2.39

Following 3

Set at 50

-158.2	2.18
-20.6	2.32
+17.7	2.62
+160.9	2.48

Z

Set at 50

-161.4	2.59
-20.0	2.39
+18.6	2.52
+161.7	2.58

360 B

Set at 50

-157.3	2.10
-24.1	1.99
+23.7	2.01
+155.8	1.98

Following of 3 Following

Set at 50

-145.5	1.25
-30.8	1.49
+30.3	1.51
+143.8	1.17

401 B

Set at 50

-157.6	2.12
-22.6	2.12
+24.6	1.93
+158.1	2.19

(17)

420 B

-158.6	2.22
-21.3	2.25
+19.1	2.46
+159.6	2.34

Lal.

-160.4	2.41
-19.5	2.44
+17.4	2.66
+158.0	2.18

168 B

Color 87 1/2	Set at 65
-139.1	0.93
+40.5	0.96
+37.4	1.10
+139.5	0.96

206 B

Set at 50

-154.4	1.93
-26.6	1.79
+27.4	1.71
+154.0	1.83

1872 June 13th Thursday

Groups XXXVI and XXXVII

X Herculis

Cap 1
color 55-Pinhole 6
Set at 50

-135.2	0.77
-52.9	0.50
+50.1	0.58
+126.8	0.49
127.8	0.52

4 Herculis

Capo	Pinhole 6
Colour 55	Set at 50
-150.1	1.53
-31.0	1.47
+32.4	1.37
+140.8	1.01
+152.2	1.69

2 Herculis

Capo	Pinhole 5
Color 93	Set at 95
-150.8	1.58
-25.3	1.89
+26.7	1.75
148.7	1.46

g Herculis

Cap 0

color 80

-143.0

-32.7

+37.6

+140.0

Pinhole 6

Set at 80

1.12

1.37

1.09

0.98

49 B Herculis

Cap 0

color 54

-146.6

-36.3

+39.6

+139.5

Pinhole 6

Set at 50

1.32

1.17

0.99

0.96

2

5 2063

Cap 0

color 48

-145.6

-30.9

+32.4

+145.9

Pinhole 6

Set at 50

1.26

1.48

1.37

1.29

l 30328

Cap 0

Pin hole 6

Set at 50

-149.6

1.50

31.4

1.45

+31.5

1.43

+147.3

1.37

42

Cap 1

color 82

-149.4

-29.2

+30.4

+149.2

Pin hole 6

Set at 80

1.49

1.60

1.50

1.49

52

Cap 0

color 56

-128.5

-61.4

+61.3

+112.0

Pinhole 6

Set at 50

0.57

0.29

0.29

0.17

N. following 52

color 76

Set at 75

-160.3

2.40

-19.9

2.40

+21.9

2.17

+157.0

2.09

Groups XLIV and XLVI

E Lyrae north

Cap 1

color 50

-143.5

-32.0

+31.2

Pinhole

Set at 50

1.16

1.13

1.45

E Lyrae south

Cap 1

color 50

-141.3

-39.3

+31.6

Set at 50

1.03

1.02

1.42

65 B

Capo

Pinhole 6

Set at 50

-154.6

1.87

-27.2

1.74

+24.9

1.91

84 B

Capo

Pinhole 6

Set at 50

-155.6

1.95

-20.3

2.35

+19.1

2.46

92 B

Set at 50

-144.0

1.17

-38.7

1.04

+27.4

1.71

105 B

Capo Pin hole 6

Set at 50

-154.3

~~1.85~~~~1.84~~

2.06

-27.4

~~1.72~~~~1.72~~

1.91

+25.6

~~1.86~~~~1.86~~2.07~~1.81~~

2.01

Groenbridge

Set at 50

Capo

Pinhole 6

-157.5

~~2.12~~~~2.12~~

2.37

-21.4

~~2.23~~~~2.24~~

2.49

+18.4

~~2.55~~~~2.54~~2.84~~2.30~~

2.57

170 B

Capo

Pin hole 6

Set at 50

-157.8

~~1.66~~~~1.65~~

1.85

-27.9

~~1.68~~~~1.69~~

1.87

+20.1

~~2.36~~~~2.35~~2.63~~1.90~~

2.12

X

F 423

Cap 0

Pinhole 6

Set at 50

-14.34

1.28

~~1.14~~

-36.2

1.30

~~1.17~~

+26.3

2.01

~~1.80~~1.53

P. XIX 240

Cap 0

Pinhole 6

Set at 50

-145.0

1.37

~~1.22~~

-35.3

1.35

~~1.22~~

+22.3

2.39

~~2.18~~1.70

91 B

Cap 0

-149.5

-30.9

$$\begin{array}{r} 1.67 \\ 1.64 \\ \hline 1.65 \end{array}$$

Pin hole 6

Set at 50

~~1.49~~~~1.48~~

113 B

Cap

-149.0

-27.5

$$\begin{array}{r} 1.67 \\ 1.91 \\ \hline 1.79 \end{array}$$

Set at 50

~~1.46~~~~1.42~~

1872 June 18th

Moon nearly full, not very clear; pretty windy,

Groups XLIV and XLV

E Lyrae north

Cap 1		Pinhole 6	
alts.		Set at 50	
	+ 38.3	1.18	~~1.11~~
46	+ 143.0	1.25	~~1.12~~
	+ 136.6	0.93	~~0.83~~
	- 133.2	0.78	~~0.70~~
54.	- 52.3	0.58	~~0.52~~
		<u>0.94</u>	

E Lyrae South

Cap 1		Pinhole 6	
alts.		Set at 50	
43	+ 42.6	0.96	~~0.86~~
46	+ 138.3	1.01	~~0.90~~
50	- 128.6*	0.61*	~~0.58~~
	- 134.0	0.81	~~0.73~~
	- 54.1	0.52	~~0.47~~
		<u>0.78</u>	

* Interrupted by clouds.

66 B Lyrae

alt.	Cap 0		Pinhole 6
			Set at 50
	+27.4	1.91	~~1.72~~
46	+157.6	2.38	~~2.13~~
	-152.0	1.86	~~1.67~~
	-30.3	<u>1.69</u>	~~1.51~~
		1.95	

84 B Lyrae

alt.	Cap 0		Pinhole 6
			Set at 50
	+22.7	2.35	~~2.11~~
	+156.1	2.23	~~2.00~~
	-152.7	1.92	~~1.72~~
53	-26.0	<u>2.03</u>	~~1.82~~
		2.13	

111111
1111
1111
1111
1111

92 B Lyrae

Color 70

Set at 50

+33.9

1.44

~~1.29~~

+149.1

1.64

~~1.47~~

-137.1

0.95

~~0.85~~

-35.5

1.34~~1.20~~

1.34

R Lyrae

alt Cap 1
Color 78Pin hole 6
Set at 80

42 +38.3

1.18

~~1.06~~

+145.4

1.40

~~1.25~~

-140.1

1.10

~~0.98~~53 -66.8⁺

0.21

~~0.19~~0.97

1.23

1.09

⁺ Interrupted again by clouds the last
observations worthless.

16 Lyrae

	Cap 0		Pinhole 6
alt.	color 48		Set at 50
	+40.4	1.07	~~0.96~~
46	+138.1	1.00	~~0.89~~
51	-121.9	<u>0.40</u>	~~1.36~~
		0.82	

10 B Cygni

	Cap 0		Pinhole 6
alts	color 48		Set at 50
41	+27.9	1.87	~~1.68~~
43	+163.7	2.01	~~1.81~~
48	-149.6†	<u>1.68</u>	~~1.5X~~
		1.85	

† Time 9h 45m

6 B Cygni (?)

Cap 0		Pin hole 6	
alt.		Set at 50	
42	+27.1	1.94	~~1.74~~
	+138.5	2.17	~~1.95~~
	147.8	<u>1.55</u>	~~1.89~~
		1.89	

6 B Cygni 2nd

Cap 0		Pin hole 6	
		Set at 50	
	+27.1	1.94	~~1.74~~
	+138.5	2.17	~~1.95~~
	-153.5	<u>1.99</u>	~~1.79~~
		2.03	

P 18254

Cap 0		Pin hole 6	
		Set at 50	
	+29.6	1.74	~~1.56~~
	+157.8	1.85	~~1.66~~
	-146.8	<u>1.49</u>	~~1.33~~
		1.59	

Light clouds interrupted obs. repeatedly.
Southern star of E. Lyrae, is $\frac{1}{4}$ m. brighter.

(9) Aug 28

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000

(9) Aug 28

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000

(9) Aug 28

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000 1000 1000

1000

1872 June 19th
 Night pretty clear, moonfull, gentle S.E. wind.
 Groups XXXVI and XXXVIII

X Herculis

Cap 1
 color 60

+43.6	0.92
+142.8	1.24
-115.7	0.26
-59.9	0.36
	0.69

Pinhole 6
 Set at 50

~~0.82~~
~~1.11~~
~~0.23~~
~~0.32~~

4 Herculis

Cap 0

+26.9	1.96
+149.5	1.67
-140.7	1.13
-31.0	1.54
	1.60

Pinhole 6
 Set at 50

~~1.76~~
~~1.50~~
~~1.01~~
~~1.47~~

2 Herculis

Cap 0

color 61

+41.3

+143.2

-127.6

-45.3

1.02

1.26

0.57

0.64

 0.92

Pinhole 6

Set at 50

~~0.92~~~~1.13~~~~0.52~~~~0.76~~

49 B Herculis

Cap 0

color 59

+37.7

+146.3

-141.5

-39.5

1.21

1.45

1.17

1.12

 1.24

Pinhole 6

Set at 50

~~1.09~~~~1.30~~~~1.05~~~~1.00~~

g Herculis

Cap 0

Color 79

+34.6

+146.9

-146.6

-34.0

1140

1149

1147

1143

 1.45

Pinhole 6

Set at 80

~~1.25~~~~1.34~~~~1.32~~~~1.29~~

5

Herculis

Cap 1

Color 53

+52.7

+125.1

-112.2

-81.3

0.56

0.49

0.19

0.03

 0.32

Pinhole 6

Set at 50

~~0.57~~~~0.44~~~~0.17~~~~0.03~~

η Herculis

Cap 2

color 60

+39.0

+141.6

-132.0

-29.6

1.14

1.17

0.70

1.74

1.19

Pinhole 6

Set at 50

~~1.02~~

~~1.05~~

~~0.66~~

~~1.56~~

271 B

Cap 0

color 61

+33.1

+142.4

-142.0

-31.1

1.49

1.22

1.20

1.63

1.38

Pinhole 6

Set at 50

~~1.34~~

~~1.09~~

~~1.08~~

~~1.46~~

228 B

Color 58

Set at 50

+ 36.8*	1.26	~~1.13~~
+ 49.5	0.68	~~0.61~~
+ 40.2	1.08	~~0.97~~
+ 43.3	0.93	~~0.83~~
+ 40.4	1.07	~~0.96~~
+ 44.8	0.86	~~0.77~~
	<u>0.99</u>	

Groombridge

Cap 0

Pinhole 6
Set at 50

+ 18.3	2.86	~~2.56~~
+ 156.5	2.27	~~2.94~~
- 152.5	1.91	~~1.81~~
- 22.4	2.38	~~2.18~~
	<u>2.35</u>	

238 B

111	1.02	1.02
156	0.8	1.02
157	1.08	1.02
158	0.8	1.02
159	1.07	1.02
160	0.8	1.02
161	1.08	1.02
162	0.8	1.02
163	1.07	1.02
164	0.8	1.02
165	1.08	1.02
166	0.8	1.02
167	1.07	1.02
168	0.8	1.02
169	1.08	1.02
170	0.8	1.02
171	1.07	1.02
172	0.8	1.02
173	1.08	1.02
174	0.8	1.02
175	1.07	1.02
176	0.8	1.02
177	1.08	1.02
178	0.8	1.02
179	1.07	1.02
180	0.8	1.02
181	1.08	1.02
182	0.8	1.02
183	1.07	1.02
184	0.8	1.02
185	1.08	1.02
186	0.8	1.02
187	1.07	1.02
188	0.8	1.02
189	1.08	1.02
190	0.8	1.02
191	1.07	1.02
192	0.8	1.02
193	1.08	1.02
194	0.8	1.02
195	1.07	1.02
196	0.8	1.02
197	1.08	1.02
198	0.8	1.02
199	1.07	1.02
200	0.8	1.02

238 B

111	1.02	1.02
156	0.8	1.02
157	1.08	1.02
158	0.8	1.02
159	1.07	1.02
160	0.8	1.02
161	1.08	1.02
162	0.8	1.02
163	1.07	1.02
164	0.8	1.02
165	1.08	1.02
166	0.8	1.02
167	1.07	1.02
168	0.8	1.02
169	1.08	1.02
170	0.8	1.02
171	1.07	1.02
172	0.8	1.02
173	1.08	1.02
174	0.8	1.02
175	1.07	1.02
176	0.8	1.02
177	1.08	1.02
178	0.8	1.02
179	1.07	1.02
180	0.8	1.02
181	1.08	1.02
182	0.8	1.02
183	1.07	1.02
184	0.8	1.02
185	1.08	1.02
186	0.8	1.02
187	1.07	1.02
188	0.8	1.02
189	1.08	1.02
190	0.8	1.02
191	1.07	1.02
192	0.8	1.02
193	1.08	1.02
194	0.8	1.02
195	1.07	1.02
196	0.8	1.02
197	1.08	1.02
198	0.8	1.02
199	1.07	1.02
200	0.8	1.02

Notes

During the 1st time round light clouds came up.

* Interrupted by cloud.

Additional obs. of 228 B

+39.7	1.11
+46.4	0.80
+40.3	1.07
+40.5	1.06
+37.8	1.21
+44.3	0.89
+38.1	1.19
+38.8	1.15
+129.5	0.64
+131.6	0.72
-123.3	0.44
-121.1	0.39
+45.4	0.84
+47.3	0.76
-49.0	0.69
-48.7	0.71
	0.89
	7.55

1872 June 29th Saturday

Groups ~~#~~ XLVI and XLVII

106 B

Cap 0

Color 27

+38.7

+131.9

-138.1

1.16

0.73

1.00

0.96

Pinhole 6

Set at 30

~~1.04~~

~~0.85~~

~~0.89~~

Groombridge

Color 40

+22.6

+157.3

-158.1

2.36

2.35

2.43

2.38

Set at 50

~~2.12~~

~~2.11~~

~~2.18~~

170 B

color 50

Set at 50

+ 29.5

1.75

~~1.57~~

+ 157.1

1.79

~~1.61~~

- 150.3

1.73~~1.55~~

1.76

f

423

color 50

Set at 50

+ 37.8

1.21

~~1.08~~

+ 36.8

1.26

~~1.13~~

146.9

1.49

~~1.34~~

- 141.5

1.17~~1.05~~

1.28

P 1924

Color 50

Set at 50

+ 36.3

1.29

~~1.16~~

+ 31.3

1.62

~~1.45~~

+ 148.9

1.63

~~1.46~~

- 133.8

0.80~~0.72~~

1.33

91 B

color 46

Set at 50

+ 32.2	1.55	~~1.39~~
+ 157.4	1.82	~~1.83~~
- 147.4	<u>1.53</u>	~~1.87~~
	1.68	

113 B

Set at 50

+ 37.4	1.23	~~1.10~~
+ 144.7	1.35	~~1.21~~
- 147.5	<u>1.53</u>	~~1.15~~
	1.37	

116 B

Set 50

+ 23.9	2.23	~~2.00~~
159.8	2.62	~~2.35~~
- 156.0	<u>2.22</u>	~~1.99~~
	2.35	

S

Cap 2

color 40

+53.6

+144.1

-138.1

Pinhole 5

Set at 50

0.54

1.32

1.00

0.95

~~0.48~~~~1.18~~~~0.91~~

65 B

color 46

+ 41.3

140.1*

-137.1

Set at 50

1.02

1.10

0.95

1.02

~~0.92~~~~0.88~~

54 B

color 57

+43.4

+145.5

-136.9

Set at 50

0.93

1.40

0.94

1.09

~~0.83~~~~1.36~~~~0.84~~

74-1

Cap 1

+47.7

+145.7

color 55

0.74

1.41

1.07

~~0.62~~~~1.17~~

Set at 50

27 B is two small stars.

Star c cygni is distinctly seen to be double.

Star Groombridge near 91B, is nothing but a cluster.

1872 June 30th Sunday
 clear, calm, moonless.
 Groups XLII and XLIII

μ Lyrae

Cap 0

color 39

+43.0

+135.6

-130.6

-47.9

-45.9

0.94

0.88

0.68

0.74

0.87

0.81

Pin hole 6

Set at 50

0.85

0.79

0.61

0.66

0.73

8 B Lyrae

Set at 50

+81.1

+154.1

-157.2

-28.7

1.53

2.04

1.80

1.81

1.82

1.46

1.83

1.62

1.62

5 B Lyrae

color 43

Set at 50

+37.8	1.21	~~1.08~~
+142.9	1.25	~~1.12~~
-142.1	1.20	~~1.08~~
-37.8	1.21	~~1.08~~
	1.22	

3 B Lyrae

Set at 50

+28.0	1.86	~~1.67~~
+149.8	1.69	~~1.52~~
-146.0	1.43	~~1.29~~
-31.9	1.57	~~1.41~~
	1.64	

Groombridge

color 56

Set at 50

+48.9	0.70	~~0.63~~
+136.2	0.91	~~0.81~~
-132.7	0.76	~~0.68~~
-53.3	0.54	~~0.49~~
-55.9	0.47	~~0.42~~
	0.84	

401 B

Set at 50

+ 25.9	2.04	~~1.83~~
+ 158.0	2.42	~~2.15~~
- 157.4	1.82	~~1.83~~
- 25.1	<u>2.12</u>	~~1.90~~
	2.10	

Lal.

Set at 50

+ 21.3	2.50	~~2.24~~
+ 159.5	2.59	~~2.32~~
- 157.5	2.37	~~2.11~~
- 21.5	<u>2.59</u>	~~2.32~~
	2.51	

420 B

Set at 50

+ 22.7	2.85	~~2.11~~
+ 158.1	2.43	~~2.18~~
- 155.5	2.17	~~1.95~~
- 24.4	<u>2.18</u>	~~1.96~~
	2.28	

68 B

Color 67

Set at 70

33.6	1.46	~~1.31~~
+157.8	1.85	~~1.66~~
-146.8	1.49	~~1.33~~
-46.6	1.47	~~0.71~~
+41.5	<u>1.02</u>	~~0.91~~
	1.46	

206 B

Color 40

Set at 50

+ 27.1	1.94	~~1.74~~
+ 153.1	1.96	~~1.76~~
- 149.6	1.68	~~1.37~~
- 27.5	<u>1.91</u>	~~1.71~~
	1.87	

401 B is the foll. one of a triangle.
 N. of 420 B. there is a brighter star.
 68 B is the Southern one of two
 205 B is the Southern most of three.

