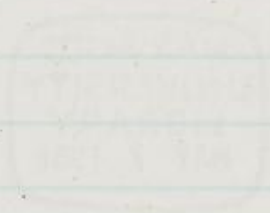


KG
11365
413

1874 Dec 24
24
1875 Jan 14

156-11365.413

10.



KG11365.413



Dec. 21st 1874, (continued.)

Groups ~~XV~~ & ~~XVII~~

43 B Lyncis.

Capo

+17.9

+162.3

Pinhole 5

2.91

2.94

2.92

8 H Lyncis

Capo Pinhole 5

+22.7

+155.0

2.35

2.22

2.28

21 Lyncis

Capo Pinhole 5

+27.2

+152.2

1.98

1.88

1.90

22 Lyncis

Capo Pinhole 5

+17.4

+158.0

2.98

2.42

2.70

P VII 92

Cap 0

+15.6

+162.9

Pin hole 5

3.24

3.02

3.13

P VII 156

Cap & Pinhole 5

+14.7

+163.5

3.38

3.42

3.40

S. foll. last
Cap & Pinhole 5

+15.8

+160.6

3.21

2.72

2.95

Anonymous
Cap & Pinhole 5

+16.8

+161.5

3.06

2.83

2.94

* 2.5 Lynx
Cap & Pinhole 5

+13.4

+166.6

3.61

3.61

3.61

$$\begin{array}{r} 2.24 \\ 2.15 \\ \hline 0.09 \end{array}$$

$$\begin{array}{r} 2.59 \\ 2.15 \\ \hline 44 \end{array}$$

26 Lynx

Cap 0
+17.8
+150.3

Pin hole 5
2.92
2.58

2.80

v Mrs. Maj.

Cap 2
+21.8
+154.1

Pin hole 5

2.44
2.04

2.24

K Mrs. Maj.
Cap 2 Pin hole 5

+20.4
+159.4

2.60
2.58

2.59

N. of K, in a triangle with K and v

Cap 0
+17.2
+162.1

Pin hole 5

3.00
2.91

2.95

S. preceding P. VIII 202

Capo

+14.9

+152.7

Pinhole 5

3.35

2.99

3.17

P. IX 19

Capo Pinhole 5

+14.6

+165.0

3.40

3.33

3.35

P. VIII 202

Capo Pinhole 5

+14.7

+163.1

3.38

3.05

3.21

34 Lynceis

Capo Pinhole 5

+18.4

+160.9

2.84

2.76

2.80

+35 Lynceis

Capo Pinhole 5

+21.0

+158.4

2.53

2.46

2.49

$$\begin{array}{r} 1.521 \\ 74 \\ \hline 0.78 \end{array}$$

$$\begin{array}{r} 1.44 \\ 74 \\ \hline .90 \end{array}$$

Notes on Groups XV & XVII -

* 25 Lynceis is South of 26 Lynceis -

+ 35 Lynceis may have been mistaken for
P. VIII 202 -

These stars are somewhat hard to
find, which may account for discrepan-
cies in the observations.

Groups VIII & X -

ε Aurig.

Cap 1

+ 32.2

+ 145.0

- 148.1

Pinhole 5

1.55

1.43

1.57

1.52

ζ Aurig.
Cap 1 Pinhole 5

+ 34.1

+ 144.8

- 147.3

1.43

1.36

1.52

1.44

η Aurig.

Cap 1

+45.7

+135.2

-137.8

Pinhole 5

0.82

0.86

0.98

0.89

18 B Aurig.

Cap 0

+13.2

+165.4

-166.8

Pinhole 5

3.64

3.40

3.64

3.56

14 B Aurig.
Capo Pinhole 5

+16.4

+164.8

-165.9

3.12

3.30

3.48

3.30

8 Aurig.
Capo Pinhole 5

+20.0

+161.3

-160.6

2.65

2.81

2.72

2.78

S. preceding 9

Capo

+17.6

+163.1

-163.8

Pinhole 5

2.95

3.05

3.15

3.05

S. foll. 8
Capo Pinhole 5

+14.8

+163.1

-162.9

3.37

3.05

3.02

3.15

2 Aug. 19
Capo Pinhole 5

+27.2

+153.6

-151.6

1.93

2.00

1.83

1.92

59 Persei
Capo Pinhole 5

+18.5

+159.9

-160.6

2.83

2.63

2.72

2.73

e Persei

Cap 0

+35.4

+146.5

-143.3

Pinhole 5

1.35

1.47

1.27

1.36

m Persei
Cap 0 Pinhole 5

+13.7

+166.3

-167.1

3.55

3.55

3.70

3.60

f Persei
Cap 0 Pinhole 5

+29.2

+157.6

-149.7

1.77

1.83

1.69

1.76

ε Persei

Cap 2

+21.2

+157.8

-156.0

Pinhole 5

2.57

2.40

2.22

2.38

$$\begin{array}{r} 55 \\ 2.15 \\ \hline -1.60 \end{array}$$

Sunday, Jan. 10th 1875

Groups XI & XII

β Aurig.

Cap 2

+49.5

+123.3

Pinhole 5

-0.67

0.44

0.55

* π Aurig.

Cap 0

+38.9

+140.6

Pinhole 5

1.15

1.12

1.13

36 Aurig.

Capo Pinhole 5

+16.8

+164.3

3.06

3.22

3.14

+ ρ V 280

Capo Pinhole 5

+15.1

+164.1

3.32

3.19

3.25

0

Cap 0
 +21.5
 +159.3

Pinhole 5
 2.48
2.56
 2.52

41 Aurig.
 Cap 0 Pinhole 5

+17.9
 +161.7

2.91
2.86
 2.88

41 Aurig.
 Cap 0 Pinhole 5

+25.4
 +150.5

1.75
1.75
 1.75

42 Aurig.
 Cap 0 Pinhole 5

+14.2
 +166.5

3.47
3.52
 3.53

43 Aurig.
 Cap 0 Pinhole 5

+14.5
 +166.8

3.42
3.64
 3.53

‡ 38 Aurig.

Capo
+ 14.4
+ 163.3

Pinhole 3
3.43
3.08

3.25

ψ² Aurig

Capo
+ 24.7
+ 103.2

Pinhole 5
2.15
1.96

2.05

ψ³ Aurig.
Capo Pinhole 5

+ 19.3
+ 160.5

2.73
2.71

2.72

Notes:

- * π is red -
- + P.V 280 is the foll. of two
- ‡ 43 is considerably brighter than 42
- ‡ 38 is the foll one of a right-angled triangle -

Groups XIII & XIV

42 Augig.

Cap 0

+13.1

+166.8

-171.3

Pinhole 5

3.66

3.64

4.66

3.9943 Augig.
Cap 0 Pinhole 5

+12.6

+167.0

-167.6

3.76

3.68

3.79

3.74V¹ Augig.
Cap 0 Pinhole 5

+27.7

+149.7

-149.1

7.89

1.69

1.64

1.74V⁵ Augig.
Cap 0 Pinhole 5

+22.0

+156.3

-156.6

2.42

2.25

2.28

2.32

* ψ^9 Augig.

Capo

+17.0

+150.6

-153.3

Pinhole 5

3.03

2.72

3.08

2.94

ψ^{10} Augig.
Capo Pinhole 5

+29.5

+157.6

-154.5

1.75

2.38

2.08

2.07

ψ^4 Augig.
Capo Pinhole 5

+26.1

+153.7

-152.9

2.03

2.01

1.94

1.99

ψ^5 Augig.
Capo Pinhole 5

+21.8

+156.3

-159.4

2.44

2.25

2.58

2.42

47 Aug.

~~Capo~~ ~~Pinhole 5~~ ~~Pinhole 5~~

$$\begin{array}{r}
 +25.2 \\
 +154.4 \\
 -152.3 \\
 \hline
 2.11 \\
 2.07 \\
 1.89 \\
 \hline
 2.02
 \end{array}$$

64 Aug.

Capo Pinhole 5

$$\begin{array}{r}
 +16.8 \\
 +163.3 \\
 -163.5 \\
 \hline
 3.06 \\
 3.08 \\
 3.10 \\
 \hline
 3.08
 \end{array}$$

66 Aug.

Capo Pinhole 5

$$\begin{array}{r}
 +21.0 \\
 +158.0 \\
 -158.3 \\
 \hline
 2.53 \\
 2.42 \\
 2.45 \\
 \hline
 2.47
 \end{array}$$

Note

* 47 is the middle one of three -

$$\begin{array}{r}
 1.39 \\
 2.15 \\
 - .76 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 1.21 \\
 1.21 \\
 1.08 \\
 50 \\
 1.17 \\
 2.15 \\
 \hline
 0.98
 \end{array}$$

$$\begin{array}{r}
 3.05 \\
 1.31 \\
 \hline
 1.74 \\
 1.39 \\
 \hline
 3.07 - 0.35 = 1.69 \quad 71 \\
 1.34 \quad 1.31 - 0.03 = 1.10 \quad 85 \\
 \hline
 1.73 \quad 3.07 \quad 1.73 \quad 2.66 \\
 4.03 \quad 0.89 \\
 1.34
 \end{array}$$

$$\begin{array}{r}
 3.05 \\
 2.15 \\
 \hline
 0.90 \\
 1.2
 \end{array}$$

Groups XXII & XXIII

y Mrs. Maj.

Cap 2
 + 37.7
 + 152.2
 - 139.8

Pinhole 5
 1.21
 1.88
 1.08
 1.39

X Mrs. Maj.

~~Alt.~~ Cap 0
 47 + 48.6
 + 153.0
 - 140.2

Pinhole 5
~~Alt. = 47~~

0.71
 2.12 ✓
 1.10
 1.31

X Mrs. Maj.

Cap 2
 + 13.7
 + 167.4
 - 161.1

Pinhole 5

2.66
 .89
 3.55
 2.82
 2.78
 3.05

55 Mrs. May:

Capo
+10.7
+168.7
-168.9

Pinhole 5
4.15
4.02
4.06
4.08

3 Canum Fenaljeonum
Capo Pinhole 5

+14.5
+162.8
-161.1

3.42
3.00
2.78
3.07

* 210 B
Capo Pinhole 5

+12.5
+167.4
-169.0

3.77
3.76
4.09
3.87

47 Mrs. May:
Capo Pinhole 5

+20.0
+158.0
-160.0

2.65
2.42
2.65
2.57

49 Mrs. Maj.

Cap 0
+21.1
+159.7
-162.1

Pinhole 5
2.52
2.61
2.91

2.68

56 Mrs. Maj.
Cap 0 Pinhole 5

+20.8
+158.9
-158.6

2.55
2.52
2.49

2.52

58 Mrs. Maj.
Cap 0 Pinhole 5

+11.0
+160.3
-168.7

4.09
3.55
4.02

3.89

59 Mrs. Maj.
Cap 0 Pinhole 5

+15.6
+162.5
-162.2

3.24
2.95
2.91

3.04

The effect of extreme cold is to cover the egg piece with a film of frost so that everything appears faint. When wiped off it tends to stick about the edges and so make the effect of the caps too small.

57 Mrs. Maj.

Capo
 +16.0
 +161.8
 -161.0

Pinhole 5
 3.18
 2.87
 2.77
2.94

Notes.

* 210B is the northernmost
 of two.

Extreme cold interferes with
 the accuracy of the observa-
 tions. alt. of X Mrs. Maj. = 47-

- Thursday Jan. 14th 1875 -

Groups I & XXI

ψ Mrs. Maj.

Cap 2
 + 31.4
 + 130.0*

Pinhole 3
 1.61
 0.66
~~1.13~~

39 Mrs. Maj.

- Cap 0
+18.7
+160.9#

Pinhole 5 -
2.81
2.76
2.78

36 H. Mrs. Maj.
- Cap Pinhole 5
+20.0
+159.2

-2.65
2.55
2.60

149 B.S. Mrs. Maj.
Cap Pinhole 5
+11.7
+168.6

-3.94
4.00
3.97

149 B. North -
Cap Pinhole 5
+9.9
+169.4

4.34
4.18
4.26

i Persei

Cap 1 Pinhole 5
+26.0
+153.8

2.03
2.02
2.02

τ Persei

Cap 1
+ 34.3 +
+ 146.7

Pinhole 5
1.41
1.48
1.44

F 431

Cap 1 Pinhole 5
+ 20.7
+ 161.3

2.56
2.81
2.68

θ Persei
Cap 1 Pinhole 5

+ 30.3
+ 152.3

1.69
1.89
1.79

γ Persei

Cap 2 Pinhole 5
+ 30.5
+ 133.1*

- 48 1.67
+ 4 0.78
~~2.29~~

Notes:

- * taken with cap 1 -
- + Lamp blown out here
- † Lamp very much blown by the wind.
- ‡ 39 Mrs. Maj. is the Northernmost one of two -

1874phae, proj...414P

