

C 14

KG
11365
119

C 14

C 14

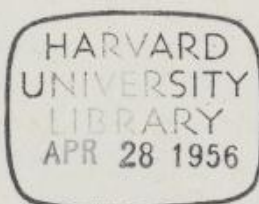
Chronograph Record
1865 Sept 13th —

THOMAS GROOM & CO.
STATIONERS,
(82 State Street)
BOSTON.

KG-11365.119



KG-11365.119



1865 Sept 13th Ill East

Sheet No 1

EC 13^h 3^m 0^s

Polaris sp

EC 13^h 17^m 0^s

AM (Observer)

EC 18^h 11^m 0^s

D Mrs Min Clouds last wire faint

EC 18^h 19^m 0^sEC 18^h 30^m 0^s

d Lyrae

Clouds

EC 18^h 44^m 0^s

New Sheet No 2

EC 19^h 38^m 0^s

γ Aquilae

d. —

B —

λ Mrs Min (faint on 1.2.3. not as good as 485 wires)

12 Capricorni

22 —

H Cephei

Clouds South of Zenith

E Delphinii

Rad 4894

1 Aquarii faint

226 B Cygni

74 Draconis

236 B Cygni

Rad 2218 sp

XX 376

Arg 480

6 Equulei B

61 Cygni spec

faint sight 2^d wire

XXI. 1 very faint

Clouds in South again

11 B Pegasi? 1.2. wires clouds

1 Draconis H sp

26 B Pegasi

122 Cephei B

737h Aquarii

L Pisc Austr

θ —

Next page

1865 Sept 13th Ill East (Continued)

Sheet No 2 Continued

+40° 4648

XXI. 320

17 Pegasi

7 Pile Austr

911 Mayori

32 Aquarii

2 Pile AustrThis star may not found on
sheet AM

XXI. 421

XXII. 19

1 H Lacerta

Bradley 29 42

EC 22^h 12^m 0^s

up in dome

EC 22^h 28^m 0^sEquatorial observations
on Fay's Comet. T.H.S.

8 Pile Austrini

2 Pegasi

2 Pegasi

+20° 5278

XXIII. 4.

314 B Pegasi

+23° 4712

XXIII 36

0 Cephei m (1st obs below center)
of Pauls

+35° 5012

XXIII 71

XXIII 82

2 Draconis

347 B Aquarii

39 Cephei H

XXIII. 163

368 B Aquarii

979 Mayori

981

XXIII. 203

Sr 4163

Br 3187

348

Sr 1845

2 Andromedae m reject 1st

New Sheet No 3

reject 1st obs below center

1865 Sept 13th - Ill East (Continued)

Sheet No 3 Contn

207 Camel B

AM

γ Pegasi

0. 19

0. 38

0. 50

Pin filled.

Occultation & Immersion emission

EC oh 42^m 01EC 1^h 4^m 01

Polaris

EC 1^h 17^m 011865 Sept. 14th

EC 18 58 0

γ Aquilae

δ Draconis

δ Aquilae

EC 19 20 0

EC 19 39 0

γ Aquilae

* fol. XIX. 414.

δ Capricorni

α —

23 H. Aquilae

π Capricorni 2. 3. 4. 5.

ε Delphinii

Rott. 4894

1 Aquarii

22 h. B. Cygni

7 h. Draconis

236 B. Cygni

h —

Rott. 2484

Argelanda 480

δ Equuleus 13

XXI. 1

EC 21 4 0

" 5 9

Cloudy in S.



1865 Sept 14th Continued W. E. 24.5

1 B Cygni faint. Cloudy.
 326 B Cygni
 1 Draconis 2nd
 70 Cygni 1, 3, 4, 5 Cloudy
 Clouded up.

EQ 21 25 0

1865 Sept 15th All East

Sheet No 1

EQ 18^h 22^m 01

2 Lyrae

51 Cephei H. Sp.

EQ 18^h 40^m 01

Sheet No 2

EQ 19^h 38^m 01

1 Aquilae

2

B

1 Vir Minoris 1, 2, 3, 4

XX 6^h

1 Vir Minoris 5 wire

XX 29

12 Capricorni 4, 5.

2d

K Cephei

23 H. Aquilae

11 Capricorni

XX 174

E Delphinii

Rack 48 94

1 Aquarii

226 B Cygni

74 Draconis

1 Cygni

Rack 2218 sp. injest 1st break of second wire

XX 376

Angelander 480

6 Equulei

61 Cygni pre

XX 1. 1

AM

This wire
 shifted
 3, 4, 5.

next page

1865 Sept 15th Ill East (Continued)

Sheet No 2 Continued

4 Pices Austrini

AM

11 B Pegasus

326 B Cygni

1 D raconis Hsp 2,3,4,5-

70 Cygni

26 B Pegasus

122 B Cephei

7 376. Aquarii

1 Pices Austrini

+

388 B Cygni

+40° 48' 48"

XXI 320 m

17 Pegasus

4 Pices Austrini m

911 Mayeri

32 Aquarii

2

11 Pices Austrini

XXI. 421

XXII. 19

14 Lacertae

EC 22 h 9m 0s

End of Sheet No 2

1865 Sept. 16th Ill East

J.H.S

El. 13 50

.. 13 17

EC 18 20

11 Sagittarii

8 Urae minoris Au 2^a

X binocularis

314 Scuti

24 Grae 2345

57 Cephei Hsp Au 2^a

EC 18 40 0

EC

XIX. 414

~~XXIX. 414~~

XIX. 420

+ IX. XX. 6 = XIX. 422.

XX. 6

over

XX 29 →

1865 Sept 16th M.E. cont
 ♄ Aquarii 1st or 2nd wire followed by ^{accidental break.}

♂ ———
 ♀ ———

* follg. p. 4th 5th wires.

EC ~~20 24~~ 0

EC 24 56 0
 ♄ Aquarii

EC 22 20

EC Set back one minute at 11^h 3m

Sheet No 1

1865 Sept 19th Ill East

EC 17^h 8m 0s

♄ Herculis

EC 17^h 9m 0s

EC 17^h 26m 0s

♄ Alphechi

EC 17^h 29m 0s

EC 18^h 10m 0s

♄ Vers Min reject first break of mid wire

EC 18^h 17m 0s

EC 18^h 30m 0s

♄ Lyrae

51 Cephei H sp

EC 18^h 39m 0s

EC 19^h 37m 0s

γ Aquilae

♄ ———
 3 ———

EC 19^h 49m 0s

EC 19^h 51m 0s

XIX. 414 ns

XIX 420

New Sheet No 2

1865 Sept 19th Ill East (Continued)

Sheet No 2 (Continued)

AM

XX. 6

XX. 29

12 Capricorni

22

K Cephei

23 H. Aquilae

H Capricorni

E Delphini

Rad 48 94 2345-

1 Aquarii

226 B. Cygni

74 Draconis

X Cygni

Rad 22 18 sp

Angelander 480

6 Equulei B.

61 Cygni Inc
fall

XXI. 1

114 B. Capricorni

4 Piscis Austr

326 B. Cygni

1 Draconis H. ~~50 Draconis~~ sp m

1 Piscis Austrini

0

388 B. Cygni

+40° 46 48

XXI 320

17 Pegasi

7 Piscis Austr

911 Majori

32 Aquarii

2

m Piscis Austr

XXI. 421

~~XXXI 19~~

1 H. Lacertae

Bradley 2942

Y Aquarii

XXI 81

3 Lacertae

+39° 48 41

32 H. Cephei

In 38 04

20 22 27 on 01

End of Sheet No 2

1865 Sept. ~~20~~²¹ All East.

J.H.S.

Partly Clear

EC 19 45 0

Musae minoris
 α^2 Capricornus
 - 20 27 0

Air 2.^a
 clouds.

1865 Sept 22^d All East West

Sheet No 1

EC 18th 10^{mos}

δ Vir Min AM

α Lyrae

57 Capricorn H^{ap}

EC 18th 39^{mos}

~~EC~~ Clouds

1865 Sept. 23^d All West

EC 17 38 0
 clouds
 .. 17 42 0

EC 18 20
 μ Sagittarii

EC 18 6 0

EC 18 12 0

Musae minoris Air 2^a

EC 18 17 0

EC 18 27 0

α Draconis

EC 18 24 0

New Sheet No 2

EC 3rd Gemini

EC 18 28 0

α Lyrae

57 Capricorn 2.3.4.5 Air 2^a

EC 18 39 0

CH 7 A. new asteroid



Ind 19 13 48 113 39 + 12 42 54
20 12 14 113 7 12 33 51

Wians on W. Spengler

-43° - 7'

1 11 33 + 12 0 71

Sept

1865 Sept 23rd All West continued

of 20 12 0

π Capricorni

9

xx. 174

ε Delphini

Radcliffe 4894 Air 2^a

1 Aquarii

226 Blynni

α Lygii

236 13

δ Lygii

Radcl. 2218 Air 2^a

Arplaudu 480

6 Equulei B.

xxi. 1

Fayer Count ft g.

New Sheet

EC 22^h 41^m 01

Transits for D. Peters' Planet.

α Pegasi

+20° 52' 38"

xxvii. 4

214 13 Pegasi

EC 23 49^m 01

1865 Sept 23rd All West

EC 18^h 12^m 01

δ Urs Minor

α Draconis

α Lyrae .3.4.5

236 Compsand 18^h 36^m 01 (10^s) 20^s

EC 18^h 36^m 01

next page

Sheet No 1

AM

1865 Sept 25 Ill West Continued

Sheet No 1 Continued

EC 19^h 37^m 0^s

AM

γ Aquilae

2

3

λ Urs Minor

XX 29

12 Capricorn

2d

κ Cephei

23 H. Aquilae

π Capricorn

EC 20^h 20^m 0^s{ object observed first above
then below center
+ accidental break before 1st win.

New Sheet No 2

EC 20^h 23^m 0^s

XX 174

ε Delphini

+ Rad 4894 break before 2^d win

+

1 Aquarii

74 Draconis

236 B Cygni

λ Cygni

Rad 2218 sp break between 3 & 4 wins

XX 376

Argelander 480

6 ~~Eggen~~ Equulei B61 Cygni pre 2 3 4
foll 2 3 Clouds

Clouds

EC 21^h 18^m 0^sEC 21^h 55^m 0^s

32 Aquarii

Clouds again

EC 21^h 59^m 0^sEC 22^h 44^m 0^s

2 Pic Austr last wire faint cloud (spet if)

2 Pegasi

XX 111. 4

314 B Pegasi ?

0 Cephei

2. 3. 4. 5.

XX 111. 71

XX 111. 82

κ Draconis sp

347 B Aquarii

39 H. Cephei

2 3 4 5

1865 Sept 25th Ill West (Continued)

Sheet No 2 Continued

XXIII 153

368 B. Aquarii

979 Mayori

XXIII 253

Sr 4163

Br 3187 2 3 45

Sr 1845 1st wire lost?

Sr 1850

Y Pegasi

EC on 7m os

AM

New Sheet No 1

Sept. 26 Ill West.

E 18 9.0

C Minor minor 2.3.4.5. in 26 } 7HS

X Draconi

3H Scuti

d Lyrae

B ———

E 18 46.0

EC 19h 37m os

Y Aquilae

d ———

B ———

XIX 414

XIX 420

XX 6

XX 29

1d Capricorni

2d ———

π ———

ρ ———

XX 174

E Delphini

22h B Cygni

d ———

23h B ———

λ ———

Rad 2218 sp)

XX 376

Argelander 480

AM begins

All faint

next page

1865 Sept 26th Ill West Continued

Sheet No 1 Continued

6 Equuli B
61 Cygni Juc
full

AM

XXI. 1
114 B Capricorni
4 Pices Austr
326 B CygniEC 21^h 22^m 01

New Sheet No 2

EC 21^h 34^m 01
1 Pice Austr
0

388

2774 Cygni
+40° 46 48

AM ends

XXI. 320 7145
17 Cygni
7 Pices austrini
911 Mayari
32 Aquarii
1
11 Pices austrini

2145, bying

XXI. 429
XXII. 19
1 Alacertae
8 Aquarii
30 Canis Majoris 2.6EC 22^h 34^m 01

observing in Doane

EC 0.17⁰
0.25⁰ mid-wire again suddenlyCrooked. I think this happened after 22^h 15^m.

The observation appears not to have been seriously affected.

1865 Sept 27th Ill West

Sheet No 1

EC 13^h 5m 01

AM

Polaris. sp. steadily

EC 13^h 16m 01EC 17^h 26m 01

2 Cephei

EC 17^h 29m 01EC 18^h 12m 01

P. Mrs Min seeing better than for Polaris

X Draconis

2 Lynx

51 Cephei H+sp

EC 18^h 39m 01EC 19^h 36m 01

X Aquilae

2 ———

B ———

EC 19^h 49m 01

New Sheet No 2

EC 19^h 53m 01

X Mrs Min

After 1st wire X Mrs Min
Good seeing

XX 29

12 Capricorni

24 ———

K Cephei

23 H Aquilae

T Capricorni

E Delphinii

Pur filled

+ 126 B Cygni

74 Draconis

236 B Cygni 4.5

λ ———

+ Rad 2218 sp

+ Argelander 480

61 Cygni prc

full

XXI. 1

114 B Capricorni

4 Pices Austr

11 B Pegasus

326 B Cygni

1 Draconis H

70 Cygni

26 B ———

next page

1865 Sept 27th Ill West (Continued)

Sheet No 2 Continued

122 B Cephei ~~X~~ wire bet? AM
 7376 Aquarii
 1 Pisc Austr
 0
 388 B Cygni
 +40° 46' 48"

XXI 320

17 Pegasi
 4 Pisc Austrini
 911 Mayari
 32 Aquarii
 2
 11 Pisc Austr

XXI 421

XXII 19

1H Lacertae

Br 2942

32H Cephei 2 3 45

Pr 3804

EC 22 29m 07

EC 22 31m 01

4 Pisc Austr

XXII 195

13 Lacertae

7 Aquarii ns

2 Pisc Austrini ns

2 Pegasi ns

+20° 52' 78" ns

XXIII 4. ns

314 B Pegasi ns

(Faye's Comet Equatorial THS)

2 Andromedae ns

y Pegasi

0.38

0.50

0.56

AZ 326

0.91

0.100

0.109

0.122

0.131

0.142

next page

New Sheet No 3

1865 Sept 27th Ill Wis (Continued)Sheet N^o 3 Continued

AZ 68

AM

O. 174

y Cassiopeia

AZ 799

O. 210

32 Canad H sp true
fall

O. 242

O. 258

O. 256

AZ 1092

EC 1^h 3^m 0^sNew Sheet N^o 4EC 1^h 5^m 0^s

Polaris in rising medium

EC 1^h 17^m 0^s1865 Sept 28th Ill Wis

EC 18 12 0

Uranus 2.3.4.5 Alt. T.H.S.

" 18 18 0

1865 Sept 29th Ill WisSheet N^o 1EC 13^h 4^m 0^s

Polaris sp a little unsteady A.M.

EC 13^h 16^m 0^s

EC

S. Virg. Minis

EC 18^h 18^m 0^s

x Deneb

x Lyrae

51 Cephei H sp

EC 18^h 39^m 0^s

x Aquilae

EC 19^h 37^m 0^s

x Aquilae

a

b

1865 Sept 29th Ill Mast (Continued)

Sheet No 1 (Continued)

1st Mⁿ Min 1-2-3-4 AM
Moon I m first wire not good1st Mⁿ Min 5 wire

XX 29

12 Capricornii

2d

K Cephei long signal

11 Capricornii

74 Draconis

1 Cygni

XX 376

EC 20th 49m 01

New Sheet No 2

EC 20th 58m 01

61 Cygni spec

foll

114 B Capricornii

4 Pisces Austrini

11 B Cygni

Regari

326 B last wire bad

1 Draconis 11th 4p 01

70 Cygni

26 B Regari

122 B Cephei

7376 Aquarii

6 Pisces Austr

0

388 B Cygni

EC 22 13 01

Carriage weight cord broke

XXII 81

3 Lacertae

+390 48 41

32 B Cephei m

Gr 35 04

7 Aquarii

8 Pisc Austr

XXII 195

13 Lacertae

7 Aquarii

8 Pisc Austr

2

36 B Cephei

2 Regari

next page

1865 Sept 29th Ill. West (Continued)

Sheet No 2 Continued

AM

XXIII .4.
 314 B Pegasi
 +23° 4712
XXIII .36
 0 Cephei
 +35° 5012
XXIII 71 " , 3.45(?)
XXIII 82
 347 B Aquarii
 39 H Cephei
XXIII 133 3.4.5-
XXIII 153
 368 B Aquarii
 979 Mayori
 981 Mayori
XXIII 203
 Gr 4163
 Br 3187
 Gr 1845 sp , 3.4.5.
 EC 23 h 55m 0s
 EC 23 h 58m 0s
 α Andromedae
 207 Camel B sp
 γ Pegasi m
 0.19
 0.50
 0.56
 0.100
 0.109
 0.122
 0.131 (AR 0h 38m)
 0.142 * { KPD 83% - but for 0.152 (- 20° circle reading) }
 γ Cassiopeae
 AZ 799
 32 Camel H sp
 0.242
 0.250
 0.265-
 AZ 1092
 Polaris
 EC 1 h 17 m 0s

New Sheet No 3

1865 Sept 30th M. West.

26 Polaris } Air 2⁶.
 " 13 7 0 }
 " Polaris 2.3.4.5 }
 " 13 18 0 }
 " 18 3 0 }
 Polaris } Uranus minor Air 2¹.
 " 18 18 0 }
 " 18 29 0 }
 Junc }
 Polaris }
 " 18 40 0 }
 " 20 17 0 }
 Junc }
 " } Capricorni
 " } Delphini
 " 20 50 0 }
 26 21 4 0 }
 " 110 Pegasi
 " 326 B Cygni
 " 120
 " 70 Cygni
 " 122
 " 376 (Ship's clock)
 " Capricorni
 " Pici australis
 " 388 B Cygni
 " 40° 46' 48"
 " 320
 " 17 Pegasi
 " 111 Mayri
 " 37 Apicini
 " Pici australis
 " Pteris plant. Equat. 2¹
 " 26 Capricorni
 " 22 59 0

1865 Sept. 30th M. West

El 23 18 0

K. Pincium

202 Laurel. Bp. Air 2nd

39 Cyprip. " "

El 23 34? 0

El 23 50 0

α Pincium

α Andromache

γ Regas

1 Sulptoris

El 0 26 0

El

wire broken

32 Laurel Lt. prec 2, 3, 4, 5 } Wire alternate
 4th foll 2, 3, 4, 5 } Air 2nd

~~0.242~~ El... 0... 0

0.250

0.258

0.265

Az 1092

* for plant (85) 3, 4, 5 + 10° 135.

* for plant (85) + 11° 158.

Kolair wires 1, 2, 3 Air 2nd } went to last 24th. }

+ for plant (85) + 11° 167.

Kolair wires 4, 5. " }

El

El 1 19 0

1865 Oct. 2nd

El " " " " " " new battery.

El " " " " " " Air 2nd

El 13 16 0

1865 Oct 3^d All West

Sheet No 1

EC 13^h 4^m 0^s MM
 Polaris 2^d wire lost by clouds
 EC 13^h 16^m 0^s

EC —————
 2 Hercules
 236 Compared 17^h 11^m 0^s 10' 20"

Near Sheet No. 2

EC 17^h 10^m 0^s

EC 3^h 5^m 0^s
 1828 0
 1829 0
 1830 0
 1831 0
 1832 0
 1833 0
 1834 0
 1835 0
 1836 0
 1837 0
 1838 0
 1839 0
 1840 0
 1841 0
 1842 0
 1843 0
 1844 0
 1845 0
 1846 0
 1847 0
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 1987 0
 1988 0
 1989 0
 1990 0
 1991 0
 1992 0
 1993 0
 1994 0
 1995 0
 1996 0
 1997 0
 1998 0
 1999 0
 2000 0

EC 19 50 0

Almae Minnis Air 2^d Regd 4 Wire
 XX. 414 just before 4th w. of Almae in
 XX. 6 " 5th " "

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

L Capricorn

1865 Oct. 3. M. West.

38613 *Lygus*
+ 40°. 4648.

41. 320.

17 *Pegasi*

2 *Picci austriaci*

9 *Mayri*

22 *Aquarii*

μ *Picci austriaci*

Observation of Planet (85)

η.

μ

2240 9

New Sheet N. 3.

2 *Aquarii*
2 *Picci austriaci*

22 51 0

36 *Capricorni* Air 26

2 *Pegasi*

2 *Picci austriaci*

202 *Samuelis* q. Air 26

39 *Capricorni* " 26

23 32 0

1865 Oct. 5th M. West.

13 3 0

Polaris q. Air 26

13 16 0

20 17 0

2 *Delphinii*

74 *Draconis* Air 26

23613 *Lygus*

2 *Picci austriaci*

32 *Walpurgidis* h. 5. Cloud 7

24 9 0

1865 October 6th All East

Sheet No 1

EC 18^h 30^m 0^s

AM

2 Lyrae

51 Cephei H sp

EC 18^h 43^m 0^s

Kero Sheet No 2

EC 19^h 50^m 0^s

λ Ursae Minoris 1 2 3 4

XIX. 414 .45

XIX. 420

λ Ursae Minoris 5th wire

22 Capricorni

κ Cephei

23 H Aquilae

π Capricorni

ε Delphini

γ Draconis

λ Cygni

no

XX. 376

61 Cygni spec

61 — full

114 B. Capricorni

4 Pisces Austr

11 B Cygni Regan

1 Draconis H sp

70 Cygni

26 B Regan

122 B Cephei

7 376 Aquarii

1 Capricorni

1 Pisces Austr

+ 388 B Cygni

+ 400 464 8

XXI. 320

7 Pisces Austr

911 Magari

32 Aquarii

α —

u Pisc Austr

XXI 421

XXI 19.

1 H Lacertae

Br 2942

next page

1865 October 6th Ill East (Continued)Sheet No 2 Continued γ Aquarii

AMW

XXII. 81

EC 22 h 21 m 01

New Sheet No 3

EC 22 h 46 m 01

 δ ~~Polaris~~ Australis

Aquarii

 α —————

36 H Cephei

 α Pegasi

+ 20° 52' 78"

XXIII. 4

1st wire lost

314 B Pegasi

+ 23° 47' 12"

XXIII. 36

0 Cephei

no break before 2nd wire

+ 35° 50' 12"

 δ Draconis

347 B Aquarii?

39 H Cephei

2, 3, 4, 5 wires

368 B Aquarii

979 Mayeri

981

XXIII 203

Gr 4163

Br 3187

Gr 1845

 α Andromedae

207 Camel B

 γ Pegasi

ms

EC oh gm 01

1865 Oct. 7th Ill East 7115

C 13 4 0

Polaris 1.2.3.4 Alt 2.6

EC 13 10 0

EC 21 45 0

16 Regni

17 γ Pic. austr

911 Mayeri

32 Aquarii

3

2 Aquarii
 11 Ric. austr.
 41-421
 Eb 22 4 0
 new sheet N. 2

Eb 22 6 0
 14 Lacertae
 8 Aquarii
 81

3 Lacertae
 + 39 4841
 7 Aquarii
 13 Lacertae
 69 Aquarii

Cloudy in N. and
 pretty much everywhere

3
 1 Cephei
 34 Cephei H
 2 Ric. austr.
 36 Cephei H
 2 Regai

D. Peters' planet. J. E.
 Bradl. 3187 1.2 Air 2^h
 309 Cephei B 2.4.5 " 2^a Clouds
 Gr. 1850 4p. 2.3.4.5 " 2^a
 2 Andromedae
 1 Regai

Eb 22 9 0
 Cloudy; not much prospect of clearing

Sheet No 1

1865 Oct 9th Ill EastEC 18^h 30^m 0^s

a Lyrae

57 Cygni H sp

236 Comae

EC 18^h 40^m 0^sEC 19^h 37^m 0^s

γ Aquilae

2

3

EC 19 49 0

New sheet No 2 EC 19 51 0

XIX 414

XIX 420

12 Capricorni

22

γ Cygni

a Ursae sp

A — sp

α Delphini

74 Draconis

236 B Cygni 2, 3, 4, 5

λ

61

pre
fall

114 B Capricorni

11 B Pegasi

1 Draconis H sp

70 Cygni

26 B Pegasi

7 376 Aquarii

388 B Cygni

+40° 46 48

XXI. 320

17 Pegasi

γ Pice Aust

a Aquarii

XXI. 421

XXI 19

AM

(0^s) 10^s 20^s

2, 3, 4, 5

next page

1865 Oct 9th All East (Continued)

Sheet No 2 Continued

Br 29 42 3,4,5 AM

+390 48 41

32 H Cephæi 23 45

EC 22^h 25^m 01EC 22^h 31^m 01

E Pisc Austr

XXII 195

13 Lacertae

69 Aquarii

2 Cephæi

5 Aquarii

a Pisc Austr

Clouds

break before first wire

EC 22^h 59^m 011865 Oct 10th All East

EC 18 24 0

2 Lyrae

51 Cepheus Air 2a

1 Lyrae

3 Aquilae

VHS

21

4

21

EC 19 1 0

EC 19 38^m 01

γ Aquilae

AM

"

"

EC 19^h 49^m 01

EC 20 58 0

61 Lyrid prior

full

AM

"

114 B Capricorn

7.11.5

326 B Lyrid

4

XXI. 120

"

119 Cepheus B Air 2a

4

2 Lyrae

"

17 Lyrid

4

EC 21 51 0

α Aquarii 22.4.5 2 2

4

EC 21 59 0

New Sheet No 2

1865 Oct 10th Ill East (Continued)EC 13^h 5m 0sPolaris ap Air 2^hEC 13^h 17m 0s

AM

Sheet No 1

1865 Oct 11th Ill East

EC

♂ Draconis

AM

EC 19^h 13m 0s

EC 19 38m 0s

γ Aquilae

α

β

λ Mus Min

EC 20^h 5m 0sEC 20^h 38m 0s

61 Cygni spec

fall

114 B Capricorni

1 Dra H ap 12 34

XXI 120 345-

26 B Pegasus

122 B Cygni

F 376 Aquarii

ε Pegasus

♂ Capricorni

17 Pegasus

α Aquarii

3 Lacertae

+39° 46' 41"

32 Cygni H 2, 3, 4, 5

In 3804

ε Pisc Austr

XXII 195

13 Lacertae

69 Aquarii

EC 22^h 41m 0s

Next Page

new Sheet No 2

1865 Oct 11th All East continuedEC 22^h 49^m 0^s
2 Pisc Austr

AM

36 H Cephei

many signals

2 Pegasi

as

XXIII 4

Clouds

XXIII 36

+35° 50' 12"

fourth wire lost by clouds

Clouded up

EC 23^h 21^m 0^s

Sheet No 1

1865 Oct 12th All EastEC 21^h 14^m 0^s

1 Draconis H sp

AM

70 Cygni

122 B Cephei

7 376 Aquarii

EC Pegasi

1 Capricorni

EC 21^h 45^m 0^sEC 21^h 56^m 0^s

2 Aquarii

EC 21^h 59^m 0^sEC 22^h 16^m 0^s

3 Lacertae

+39° 48' 41"

32 H Cephei

2, 3, 4, 5

Gr 3854

7 Aquarii

226 B Cephei

2 Pisc Austr

XXII 195

13 Lacertae

69 Aquarii

1 Cephei

1 Aquarii

2 Pisc Austr

36 H Cephei

Sheet No 1 Continued

1865 Oct 12th All E Continued2 Pegasi
+20° 52' 78"

AM

XXIII 4

34 B Pegasi

+23° 47' 12" repeat 1st wave

XXIII 36

0 Cephei

XXIII 71

3, 4, 5

~~Cephei~~

by Lyra

39 H Cephei

EC 23^h 30m osEC 13^h 5m osPolaris Air 2^hEC 13^h 16m osmid wave ^{not} observed?

New Sheet No 2

1865 Oct 13th All East

Sheet No 1

EC

2 Lyrae

AM

EC 18^h 35m osEC 19^h 38m os

γ Aquilae

X^h 2m Min Air 2^aEC 20^h 5m osEC 21^h 12m os

11 B Pegasi

XXI 120

26 B Pegasi

EC 21^h 25m osEC 21^h 56m os

2 Aquarii

EC 21^h 59m os

next page

E.

E

1865 Oct 13th Ill East Continued

Sheet No 1 Contin

8

EC 22^h 19^m 01

AM

+39° 48' 41"

Gr 38° 04'

7 Aquarii

226 B Cephei

E

E Pisc Austr

XXII 195-

E

18 Lacertae

8

69 Aquarii

1 Cephei

2 Pisc Austr

36 H Cephei

2 Pegasi

E ~~fact~~ price +20° 52' 78" 1, 2, 3

+20° 52' 78"

E

314 B Pegasi

E

+23° 47' 12"

E

XXIII 36

0 Cephei

XXIII 71

XXIII 1/2 Draconis sp

EC 23^h 24^m 01

New Sheet No 2

EC 23^h 26^m 01

39 H Cephei m 2 3 4 5

XXII 153

368 B Aquarii

979 Mayori

981

XXIII 203

Gr 4163

Br 3187 m

2 Andromedae

207 Canis B sp

1 Pegasi 3, 4, 5

rept 3d

0.89

0.38

0.50

0.56

AZ 376

0.91

0.100

0.122

0.131

0.142

next page

1865 Oct 13th All East Continued

Sheet No 2 Continued

0.174

γ Cassiopeae (major)

All

AZ 799

~~0.240~~

32 Camel H sp juv

full

0.242

0.250

2? 345

0.258

0.265

AZ 1092

Polaris. Air 2^aEC 1^h 21 mos1865 Oct 16th All East

Sheet No 1

EC 21^h 36 mos

α Aquarii

All

236 Compara d

22^h 3^m (0°/10° 20°)EC 22^h 3 mos

New Sheet No 2

EC 22^h 48 mos

α Pisc Austrini

36 H Cephei

α Pegasi

0 Cephei

wt

+350 5012

XXIII 71

XXIII 82

1/2 Draconis sp

347 B Aquarii

39 H Cephei

2.3.45

XXIII 153

368 B Aquarii

979 Pegasi

981

XXIII 203

32 4163

32 5187

Next page

1865 Oct 16th M East (Continued)

Sheet No 2 Continued

Fr 1845

AM

2 Andromedae ms

207 Canis B sp

4 Pegasi

0.19

0.38

0.50

0.56

AZ 326

0.91

0.100

0.109?

0.122

0.131

0.142

AZ 684

0.174

7 Cassiopeae

AZ 799

0.210

32 Canis H sp prae

full break before turn

0.242

0.250

0.258

0.265

AZ 1092

Polaris

Air 2a

EC 1^h 17^m 0^sEC 13^h 5^m 0^s

Polaris sp

Air 2^hEC 13^h 16^m 0^s

New Sheet No 3

10

1865 Oct. 17 ^W East?

86 18 31 0

1 *Syriac*

57 *Ceph. typ. sin*

1 *Aquila*

156 *Canal B* Ad 1.

86 19 46 0

86 22 43 0

1 *Ceph.* 3.4.5

34 — 14 — *Sin 2^a*

2 *Pic. austrini*

36 *Ceph. typ.* *Sin 2^a* *Sun. pos: not steady*

86 23 2 0

86 23 2 0

1 *Ceph.*

347 *B. Aquarii*

39 *Ceph. typ.* *Sin 2^a*

Cloudy in S.

86 23 42 0

New Sheet No 2

86 23 46 0

Thick Clouds

1 *Pic.*

0.19 faint

0.38

Still cloudy in S.

86 0 23 0

Thin clouds on sheet

The eclipse was observed Oct. 19th and only

1865 Oct. 19 ^W E.

86 19 37 0

1 *Aquila*

156 *Canal B*

86 19 47 0

86 21 4 0

1 *Syriac* *Cloud*

86 21 20 0

20 13 2 5m 00

Polaris Sin 2^d 3^d were lost clouds

20 13 2 17m 00 *Am.*

Sheet No 1

1865 Oct 20th All EastEC 18^h 12^m 01 AMND hrs Min Air 2^hEC 18^h 18^m 01EC 18^h 30^m 01

2 Lyrae

51 Cephei H sp 2^h

236 Compared 1840 0. 10.20.

EC 18^h 40^m 011 Aquilae observed but no record ^{eye not broken}

New Sheet No 2

EC 19^h 42^m 01

2 Aquilae

3
1 hrs Min Air 2^h 1^aEC 20^h 5^m 01EC 21^h 17^m 01

XXI, 120 2 3 4 5 -

EC 21 21^m 01EC 22^h 42^m 01

1 Cephei

2 Pse Aust

Clouds again

EC 22^h 56^m 01EC 23^h 13^m 01

E +350.5012 Trouble with circuit

E XXIII 71 2 3 4 5 -

C XXIII 82

Clouds

E 347 B Aquarii

39 H Cephei

Clouds

E XXIII 203

Gr 4163

Gr 1845

Gr 1850 last wire last clouds

Andromeda quiet last wire

1 Pegasi

EC 00^h 8^m 01

1865 Oct 23^d Ill West

Sheet No 1

EC 18^h 30^m 0^s
 2 *Lynce*
 51 *Cephei* H up
 EC 18^h 41^m 0^s

AM

New Sheet No 2 EC 19^h 42^m 0^s2 *Aquatae*

B

1 *Jup. Jovis* 2 3 4 5 -
 12 *Cypricorni*

2d

EC 20^h 11^m 0^sEC 21^h 15^m 0^s26 *B. Pegasi*EC 21^h 25^m 0^sEC 21^h 58^m 0^s2 *Aquarii*

XXI 421

XXII 19

1 *H. Lacertae*0 *Aquarii*

Bl 2942

3, 4, 5 -

γ *Aquarii*

XXII 81

3 *Lacertae*

+390 4841

32 *H. Cephei* 2 3 4 5 -

Sr 3804

γ *Aquarii*226 *B. Cephei*E *Pec. Austr*

2, 3, 4, 5 - Trouble with key

XXII 195

13 *Lacertae*69 *Aquarii*2 *Cephei*2 *Pec. Austr*36 *H. Cephei*2 *Pegasi*

+200 5278

next page

1865 Oct 23^d Ill W Continued

Sheet No 2 Continued

314 B Pegasi

AM

+23° 47' 12"

XXIII 36

• Caphri

XXIII 82

• Draconis

347 B Aquarii

39 H Caphri

EC 23 & 32 mos

New Sheet No 3

EC oh om

• Andromedae

207 Cancri B sp

• Pegasi

0. 19

0. 38

0. 50

0. 56

AZ 326 Ill went out

0. 100 Star faint

0. —

0. 121

0. 131

0. 142

0. 152

AZ 681

0. 174

• Cassiopeae

AZ 799

0. 210

32 Cancri H sp double signal

0. 242

0. 250

0. 258 2 3 4 5

0. 256

AZ 1092

Polaris Air 2^aEC 1st 16 mos

1865 Oct. 24th M West

El 19 58 0

~~Alma~~

Cloudy. Altitude too faint to
obtain than ditto

E Delphinii

74 Draconis An 2^d
El 21 38 0

U 22 8 0

30 Canis M.

~~XXII~~ 81

3 Lacertae

32 H Cephei An 2^d
gr 3804

7 Aquarii

22 B Cephei

El 22 31 0 New Sheet No 2
32 0

E Pictis Austrina 24.5

~~XXII~~ 195

13 Lacertae

69 Aquarii

E Pictis austrina

31 H Cephei

2 Pyrae

+ 20° 52' 78

~~XXIII~~ 4

314 B Pyrae

+ 23° 52' 12

Y Pictis

~~XXIII~~ 36

olephii

+ 35° 50' 12

~~XXIII~~ 71

Penfilus

El 23 18 0

~~XXIII~~ 82

347 B Aquarii

~~XXIII~~ 133

1 Pictis

~~XXIII~~ 153

308 B Aquarii

979 Mayen

over

1865 October 25th. L.W.H. cont.

981 Mayeri

* prot $\times III$ 203

$\times III$ 203

Dr. 3187 Air 2^h

~~Gr 1854~~

309 Cephei B " 1. 2. 3. 5 Lamp went out after 3.

Gr 1850 2. 3. 4. 5 Air 2^h

$\times$ Andromeda

γ Pyra

Glenn in B sp Air 2^h

EC 0 21 0

EC " " " " Air 2^h

32 Lanius H $\times$ 3. 4. 5 $\times$ } Wires intermingled

43 Cephei H Air 2^h

EC 0 53 0

γ Polaris

214 Lanius H } Air 2^h

EC 1 22 0

EC 13 4 0

Polaris H 2. 4. 5 Air 2^h The observation

EC 13 16 0

is just not to be rejected.
The 2nd wire must be however
as it was obs'd through clouds

1865 Oct 25th Ill West

Sheet No 1

EC 18^h 30m 01

AM

$\times$ Lynce

51 Cephei H sp.

EC 18^h 40m 01

EC 19^h 37m 01

γ Aquilae

$\times$ ———

$\times$ ———

$\times$ Mrs Min Art 2 3

XIX 414

XIX 420

$\times$ Mrs Min 5

124 Capricorn

1865 Oct 23th Ill West Continued

Sheet No 1 Continued

EC 21^h 22^m 01

AM

+

26 B Pegasi

EC 21^h 25^m 01EC 21^h 36^m 01

2 Aquarii

~~EC~~ XXII 19

1 H Lacertae

+

Br 2942

1 Aquarii

XXII 81

3 Lacertae

+39° 48' 41"

69 Aquarii

+

1 Cephei

2 Pisc. Austr.

36 H Cephei

+

2 Pegasi

* pre +20° 52' 78"

+20° 52' 78"

XXIII 4

+

EC 23^h 5^m 01

New Sheet No 2

EC 23^h 8^m 01

+23° 47' 12"

XXIII 36

0 Cephei

+35° 50' 12"

XXIII 71

XXIII 82

1¹/₂ Draconis sp

347 B Aquarii

39 H Cephei

2¹/₂ in dome

2 Hydromedae

1 Pegasi

EC 0^h 7^m 01EC 0^h 42^m 01

0.210

32 Canal H pre

full

Next page

1865 Oct 25th Ill West Continued

Sheet No 2 Con

O. 242

O. 250 .3.4.5-

O 255

O 256

AZ 1092

Polaris Air 2^hEC 1^h 16^m 011865 Oct 26th Ill West

C 19 36 0

1 Aquilae

156 faint Bsp Air 2^h 5^h star faint. Cloudy

13 Aquila

1 Uranus Minor Air 2^h 11^m 12. Cloudy

C 20 22 0

1865 Oct 29th Ill West

Sheet No 1

CC 13^h 5^m 01Polaris Air 2^hEC 13^h 16^m 01

AM

1865 Oct 30th Ill WestEC 18^h 30^m 01

2 Lyrae

236 (faint) 18^h 37^m 01 10. 20.5EC 18^h 37^m 01EC 19^h 10^m 01

5 Draconis

EC 19^h 13^m 01EC 19^h 38^m 01

1 Aquilae

156 faint B sp

13 Aquila

1 Uranus Minor Air 2^h 11^m 12 1 2 3

XIX. 414 2 3 4 5-

XIX 420

1 Uranus Minor 5^h 11^m 12

next page

1865 Oct 30th All West Continued

Sheet No 1 (Continued)

XX 29

AM

12 Capricorni

22

Y Cygni

11 Capricorni

EC 20^h 24^m 01EC 21^h 12^m 01

+ 11 B Pegasi reject 1st wire

Clouds

EC 21^h 19^m 01EC 21^h 58^m 01

2 Aquarii

XX 11, 19 m

Pr 2942

Y Aquarii

XX 11, 81

3 Lacertae

+ 39° 48' 41"

32 H Cephei 23 45-

EC 22^h 30^m 01

New Sheet No 2

EC 22^h 35^m 01

13 Lacertae

1 Cephei

2 Psc. Austr.

2 Pegasi

Clouds

EC 22^h 59^m 01EC 23^h 59^m 01

2 Andromedae

207 Camel B

Y Pegasi

0.50

0.56

EC on 18^m 01

Seeing too bad to observe more

610 obs in Oct

1865 Nov 14th W. J. H. Schurwante.

19 31 0

γ Aquilae

156 Gaul B. sp. Air 2^a

19 47 0

19 51 0

α Ursae minoris Air 2^a

δ Capricorni

δ Cephei

γ Lepus 2.3.4.5 reject 2.

π Capricorni

20 23 0

22 5 0

Bradley 2942.

γ Aquarii

226 Capellus 13

ϵ Pleiades

22 51 0

New Sheet No. 12

22 53 0

+20° 52' 8"

+23.4712

X+III 36

0 Cephei

+35° 50' 12"

Gr. 4163

Bz 3187 Air 2^a

Gr 1845 sp Air 2^a

" 1851 sp Air 2^a

α Andromedae

6000 un B. sp. Air 2^a

0.91

0.100

0.109

0.122

0.131

0.142

0.156

B. C. H.

AZ 799

0.210

34 small Bp. proc. } wires indicated Air 2^h
 folly

43 Sep. 14.

Air 2^h

0.258

4 Primum

27 1992

Polair Air 2^h

4 Leti

214 small Bp. Air 2^h

4 Primum

1 25 0

Green Sheet No. 3

1 55 0

2 Aristi

2 5 0

1865 Nov 5th NW.

El 13 3 0

Polair ep 1.2 Air 2^h

" 13 16 0

1865 Nov. 6th NW

El 13 3 0

Polair 3, 4, 5 Air 2^h

2 Virgins

Alt

236 Comp. 13^h 19^m 0^s, 10, 20.

EC 18 21^m 0^s

1865 Nov. 7th NW

El 19 37 0

4 Aquila

3

2 Capricorni

El 20 18 0

El 0 4^h 19^m 0^s Seeing too bad to go on

Sheet No 2

1865 Nov 7th Ill WestEC 13^h 4^m 0^s

AMW

Polaris Air 2^hEC 13^h 16^m 0^s1865 Nov. 9th Ill West

EC 21 43 0

16 Pegasi

24 48 0

EC 22 6 0

4 Aquarii

Y —

+ 39° 48' 41"

7 Aquarii

226 B Cephæi

α Piscis austrini

α Pegasi

+ 23° 47' 12"

EC 23 11 0

62

1865 Nov 10th Ill WestEC 13^h 4^m 0^s

AMW

Polaris

EC 13^h 17^m 0^s1865 Nov 11th Ill West

EC

γ Aquilæ

AMW

2 —

"

B —

EC 19^h 49^m 0^sEC 20^h 36^m 0^s

74 Draconis 2 3 4 5 —

EC 20^h 38^m 0^sEC 20^h 58^m 0^s

61 Cygni puc

EC 21^h 21^m 0^s

Sheet No 1

1865 November 11th All West (Continued)

Shut No 1 (Conting) EC 21^h 16^m 00
 XXI .120
 EC 21^h 19^m 00

AM

New Shut No 2 EC 22^h 00^m 00
 2 Pige Aucts
 2 Pegasus
 + +35 5712
 + XXIII 71
 + XXIII 82
 h Draconis sp
 + 347 B Aquarii

39 H Cephei us

XXIII 133 2345 -

XXIII 153

368 B Aquarii

979 Mercury

981 Mercury

XXIII 203

Gr 4163

Br 3187 faint

Gr 1845 sp. 4.

Gr 1850 sp 1, 2.

y Pegasus

0.19 faint

Circuit had trouble in Great dome no person
 there turned it off and it went well Thust 24°

W 0.50

W 0.56

Haze ~~Northward~~ entirely obscured
 EC ok 23^m 00

1865 November 13th

New Set of 11 wires put in by A. Clark jr

1865 Nov 15th - M.W.

EC 20 32 0
 x Cygni 11 w
 20 110 0

EC 20 46 0
 32 Vulpes 11 w
 61 Cygni pr } 11 w.
 full }
 7 Cygni 11 w.
 EC 21 13 0

EC 23 3 0 Clouds.
 7 Picium 11 w.

EC 23 21 0

EC 0 4 0

7 Regani 11 w.
 12 Leti 11 w.

B — 11 w.

7 Cypripis 5 w.

43 Cephei 4 5 W. Sir 2^a but f. at 4 and 5

Etracium 11 W.

Polaris w. 3 some trouble at 1.2 with battery

EC 13 11 0

New Sheet No. 2

Polaris 4.5. Sir 2^a

EC 13 21 0

1865 Nov 16th - M.W.

Sheet No. 1

EC 20th 58m 00

A.M.

61 Cygni pr
 full

7 —

XXI 120 5 w. out

119 Cephei B 5 w. out

EC 21th 28m 00

EC 21th 56m 00

2 Aquarii

EC 22th 00m 00

1865 Nov. 15th SUN. cont.

EC 22 6 0

M.S. begins

δ Aquarii
γ Aquarii

$\frac{1}{2}$ *Polaris australis*
 39 *Cephei* H

5.6.7.8.

AM

XXIII .133

fin W

EC 23^h 36^m 0

New Sheet No 2

EC 23^h 58^m 00*α Andromedae**γ Pegasi*EC 0^h 8^m 00EC 1^h 5^m 00*Polaris* Air 2^d 5 wires*δ Ceti*EC 1^h 19^m 00EC 13^h 5^m 00*Polaris* Air 2^d 5 wiresEC 13^h 17^m 001865 Nov 17th M. East

Sheet No 1

EC 20 38^m 00

AM

β Cygni free
 foll

EC 21^h 4^m 00EC 21^h 16^m 00

XXI 120

EC 21 20^m 00EC 22^h 48^m 00*δ Pict. Austr**δ Pegasi*EC 22^h 54^m 00

1865 Nov 17th Ill East (continued)

Sheet No 1 Continued EC 23^h 25^m 0^s
 39 Cephei H 4 5 6 reject 4th wire clouds
 XXIII .133
 clouds
 EC 0^h 3^m 0^s
 EC 1^h 5^m 0^s
 Polaris no 5 wires Air 2nd
 EC & Cite 5 wires
 EC 1^h 14^m 0^s
 EC 13^h 5^m 0^s
 Polaris. sp Air 2nd
 & Virginis
 236 Compared 13 20 0. 10 20
 EC 13 21 0^s

1865 Nov 18th Ill East

EC 19 37 0
 4 Aquila 11^m
 & — 7^m

1865 Nov. 24th

EC 23 8 0 Cloudy
 & Perseus
 L — 1-10 rej 10.

Sheet No 1

1865 Nov 27th Ill East

EC 1^h 5^m 0^s AM
 Polaris 6. 7. 8 } clouds
 & Perseus
 236 Compared 1 28 0 10 20
 EC 1^h 28^m 0^s

Sheet No 2

EC 13^h 2^m 0^s
 Polaris Air 2nd 5 wires
 & Virginis
 EC 13^h 20^m 0^s
 EC 14^h 7^m 0^s
 & Bootis
 EC 14^h 12^m 0^s

1865 Nov 28th All East

Shut No 1

EC 20^h 32^m 00 AM
 & Cygni
 EC

EC 21^h 14^m 00
 1 Draconis H sp Air 2^h (5 mins)

EC 21^h 19^m 00

EC 21^h 56^m 00

& Aquarii

EC 22^h 1^m 00

EC 0^h 59^m 00

3 Andromedae
 Polaris 5 mins Air 2^h } correct
 bad

* 1^h 22^m 19^s

I 110.

EC 1^h 32^m 00

EC 1^h 56^m 00

& Arctus

EC 2^h 3^m 00

1865 Dec 1st All East

New Shut No 1

EC 21^h 56^m 00 AM

& Aquarii

EC 22^h 1^m 00

EC 22^h 24^m 00

✓ Gr 3804 5 mins

γ Aquarii

XX 1.195 5 mins

& the North

& Regasi

EC 23^h 0^m 00

EC 23^h 58^m 00

& Andromedae

γ Regasi

next page

1865 Dec 1st All East (Continued)

Sheet No 1 Continued

0.19 5 wires

0.38

0.50 Reject middle wire (student ^{observer} batting)

0.56

AZ 326 5 wires

0.100 "

0 — "

0.122 "

0.131 "

0.142 "

0.152 "

0.174 "

4 Cassiopea "

AZ 799 "

0.210

32 Canellth price } lamp went out
Soll } 1st bet

0.242

0.250

0.258 4.5 rej

0.265

some stars observed here not recorded?

Chengs and students reject the one with broken wires

Polaris Az 2a 5 wires

EC 1^h 17^m 01 cloudsEC 1^h 57^m 012 Arctus signal in place of 9th wire

67 Ceti

EC 2^h 13^m 01

New Sheet

EC 2^h 18^m 01

32 Ceti

Gr 527

EC 2^h 31^m 01

1865 Dec 2. McEart

E 22 49 a
 2 Pheii ambrosii Jw.
 2 Pagan
 4 Percium
 4 ———

202 lamul B up 5.6.7.8 } Au 26
 39 Epleu 14. 5 wire
 11 "

E 23 36 0

1865 Dec 2d EC set back .1^m1865 Dec. 5th McEart

E 23 55 a
 2 Audoumdae 11 wings
 4 Puri 7 "
 0.19 7 "
 0.38 7 "
 0.56 7 "
 27 326 7 "
 0.100 7 "
 Pheii 11 "

Leaving not good

E a 39 0

1865 Dec 6th McE.

E 20 31 a
 2 Epleu 11w
 " 20 39 0

E 21 20 a
 21 a
 3 Aquarii 11w
 21 15 0

E 23 43 0
 4.4163 Jw.
 309 Epleu B di 2. 5w.
 2 Epleu 11w.
 2 Audoum. 5w.
 4 Pagan 11w.
 5 Epleu B di 2. 5w. Aug 26

1865 Dec 6th M. Eastmont,

12 Ceti

El 0 25 0

El 0 52 0

Etiscium 11 Wires

B Andromedae 11 W.

Polaris Alt 26.5 W.

21 Uranus Bp Alt 29 SW

4 Picium 11 W

El 1 26 0

1865 Dec 8th M. E.

El 21 35 0

Regai 11 W.

16 Regai 11 "

22 (?) 0

New Sheet No. 2

El 23 29 0

1 Picium 11 W.

5 Sculptoris 11 W.

309 Cephei B 5 W Alt 26

2 Ceti 11 W.

2 Andromedae 11 W.

4 Regai 11 W

6 Uranus Bp SW Alt 26

El 0 16 0

1865 Dec 11th M. E. (C has been stopped)

1 Picium 7 W

El 23 34 0

309 Cephei B SW Alt 26

2 Ceti 7 W.

2 Andromedae 7

4 Regai 7

El 0 8 0 observations not good

as atmosphere is very damp. I think

the polar star was well obs'd

1865 Dec. 14th 26 E

17 Ceti 21 0 W45.

1 Ceti Mrs. R. H. Bond
26 2 39 0

Did not clear till after the course of observation
was in hand ^{fairly} complete. L. C. had.

1865 Dec 21st Ill East

EC 22nd 49m 0s

2 Pega Austr 5 wires

2 Pegasi 5 wires

217 Compared 19th 19m 0^s 10^s 20^s

~~Notes, stars of low degree as shown in the diagram to be observed till the moon is in sight~~

39 H Cephei 5 wires Air 26

XXIII 133 8 9 10 11

XXIII 153 5

368 B Aquarii 5

979 Magari 5

981 Magari 5

Gr 1845 sp 5

Gr 1856 st 5

2 Andromedae 5 wires

1 Pegasi 5 wires

EC 0th 7m 0s

EC 1st 4m 0s

Polaris

EC 1st 19m 0s * 5 6 7 8 } Circuit broken at 4th

EC 13th 4m 0s

Polaris reject 1st and 2^d wires Air 26

2 Virginis

217 Compared 13th 20m 0s 10s (2nd)

EC 13th 21m 0s

1865 Dec 22^d Ill East

EC

2 Pisc Austrini 5 wins

AM

EC 22^h 59^m 01

2 Pegasi (5 wins + 1 fall 5)

EC 22 57 01

EC 23 19 01

1 Draconis 5 wins

39 H Cygni 5 wins Air 2^d

EC 23 30 01

Sheet no 2

EC 23 37 01

981 Magari 5 wins

Gr 41 63 "

Gr 18 45 "

Gr 18 50 5, 6, 7, 8.

1 Pegasi

EC 0 7^m 01EC 1^h 4^m 01

Polaris 5 wins

Air 2^dAR 1^h 18^m 11^s AR 2 67° 11.5'

22 19 67 52

I 110

AR 1 31 11

5 wins

I 145

AR 1 39 14 (this star of spec was obs)

I 175 7 wins

I 200

I 243

2 Arctis

EC 2^h 1^m 01EC 13^h 4^m 01Polaris 5 wins Air 2^dEC 13 20^m 01

1865 Dec 23^d All East

New Sheet No 1

AM

& Rise Austr
 EC 22^h 51 m os
 & Pegasi

EC 22^h 59 m os

EC 23 24 m os

39 Cephei H 5 wires

XXIII 133 5.67.8

XXIII 153 5 wires

779 Mayori 5 —

781 — 5 —

Gr 1845 5-6.78

Gr 1857 5 wires

& Arcturidae

y Pegasi

EC 0^h 7 m osEC 1^h 4 m osSolaris 5 wires Air 2^aM 1 22^h 19^s

I 110

M 1 27^h 31^s

Clouds

M 1 31^h 11^s1st & 2^d ~~but~~ only

& Arctus

EC 2^h 6 m os

Cloudy again

Examine this

1865 Dec 25th All East

New Sheet No 1

EC 1^h 57 m os

& Arctus

6 Persei 9 wires ill faint at last one
 All went out no oil

II 52

II 73 5 wires

85 Arctus B

30 Ceti H

II 122

next page

1865 Dec 25th All East Continued

Sheet No 1 Continued II 148

A.M. Observer

γ Ceti

II 195-

47 Cephei H 5 wires

73 Eridani

α Ceti

W II 1054

48 Apsis H 5 wires

1 Camel H 5 wires

III 32

σ Persei 7 wires

γ Tauri 5 wires

9 Camel H 5

γ 73v 5

62 Mrs Min Bsp 7.8

EC 4h our os

EC 13h 4m os

Solaris, sp 5 wires in 2a

L Virginis

EC 13h 19m os

EC 14h 6m os

L Bootis

217 Compared 13h 11m os 105 20s

EC 14h 12m os

1865 Dec 27th All East

New Sheet No 1

EC 23h 12m os

L Aquarii Miss Bond

XIII 153

979 Aquarii All faint

L Andromedae

γ Pegasi

0 38

0 56

AZ 326

0 91

5 wires

"

"

"

next page

1866 Jan 4th Ill East (Continued)EC 13^h 5^m 0^s

A.M.

Potaris 5W Air 2^d sometimes better than Zee
& Venus 5W with high NW windEC 13^h 19^m 0^sEC 14^h 8^m 0^s

& Boottis

EC 14^h 11^m 0^s1866 Jan. 5th

EC 0 4 0

4 Pegasi

2 Picorum

1 3 2

1866 Jan 10th

EC 1 55 0

& Arctis

EC 2 4 0

EC 2 40 0

41 Arctis

47 Cephei 14 5W.

& let

3 Persei

EC 3 1 0

EC 3 18 0

323 Cephei 13.

EC 3 28 0

1866 Jan 11th

EC 2 3 54 0

7 Pegasi

EC 0 10 0

3 mib Band?
9 10 11 Cloud

Jan^y
1866 Dec 17th Ill East

EC 0 36 0	1 C 13
~~3 C 0~~	~~4 5 6 7 8~~
EC 0 41 0	4 5 6 7 8
43 Cephei H	11 wires
44 —	
EC 1 34 0	5 6 7 8
→ d Urs. Min	11 wires
50 Caprip.	4 5 6 7 8
d Draconis	
EC 2 10 0	
EC 2 32.0	
41 Arctis	2 wires
2 Eridani	lost
~~2 C 0~~	
8 Arctis	
3 Eridani	
EC 3 28 0	

EC 4 ^h 11 ^m 0 ^s	AM. Observer
d Tauri	5 th
2 —	
EC 4 ^h 30 ^m 0 ^s	"
EC 5 4 ^m 0 ^s	"
2 Aurigae	"
B Orionis	"
EC 5 14 ^m 0 ^s	"
EC 6 12 ^m 0 ^s	"
d Geminorum	"
51 Cephei H	4 & 5 reject 5 th clouds
EC 6 31 0	41?

Clouds too thick
Northward for
the Polar Stars

1866 Jan. 18th Ill. EastEC 0^h 52^m 0^s

SCB.

B Andromada 11 wires

Polaris 5678

+ Ceti 11 wires

η Piscium 1,5678

57 Andromada

ν Piscium

τ Ceti

x Ceti ?

11 wires

B Arctis

11 wires

57 Capriopa

11 wires

x Arctis

10 11

Battery gave out

Quorum wire obs 26
 some of these stars

EC 3 30 0
 report η Tauri 7.4.5 has obs. as eye piece not moist

ζ Persei: Air 2^aγ Eridani: Air 2^afor 750: 5H: Air 2^a full at before 5th wire.

EC 3 59 0

EC 5 0 0

by candle 13

Wappa V. 670 Nebula of Orion NW.

C Orionis probably - 5W

x Columbae

EC 5 53 0

EC 5 39 0

1861 Feb. 5th Mr. West

El. 5 1 0
 Co Aurigae 11th Secay My bar.
 = Oriole 11th
 El 5 14 0

— El tripped on Sunday. —

1866 Feb. 20th Mr. West

El. 5 51 0

Failure of into

El. 6 1 0

Sumas min on Fr 4.5.6.7

Singing last wire only. 11

of Geminorum - some confusion

with circuit

of Geminorum

Nov. 5.5.7.9 }
 fully 4.6.8 }

El 7 25 0

$+15^{\circ}26' + 8^{\circ}74' + 40^{\circ}34' + 20^{\circ}25' 34018$

Stillne ab illustrisimo Bodis observatum

51 April

Stellaris unius

Stellaris unius

Line of stars within 10° of the pole to the 7th
magnitude inclusive and within 15° to the 6th

.6
2.02

2.62

4.26

4.80

5.58

8.4

25.7

25 ± 1.05

