

KG
11365
225

K.15

40' - 60' 2⁽¹⁵⁾

Lones

May 3 1859 May 14

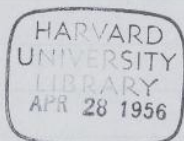
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1859ptae Prof. 225



KG-11365.225

KG 11365.225



1857.

Zone 6

0,50.1,00
11^h

Zone 7

before
Bar.
att th
ext th
E.C

after
Bar.
att th
ext th
E.C

angle of position

May 4th 1859
Bar 30.360
before att th 64
ext th 52
E.C 12^h 16^m 00

Bar 30.349
after att th 64
ext th 48
E.C

angle of position $87^{\circ} 31'$

11^h 54^m 43.9 —
— 48.0

55 13.9 17.9
13/13

56^m 28.0 which wire

56 33.1 36.9

56 ~~42.2~~ ~~42.2~~

11^h 54^m 43.4 —
— 47.8

55 13.7 17.7
213

56^m 28.4

56 31.1

56 ~~42.2~~ ~~42.2~~

56 43.1 - 46.9



None ~~7~~

0°50' - 1°0'

None ~~7~~

0°50' - 1°0'

583 9 12^h 19^m 48.0595 8 44^m 38.4598 ~~7~~ 48^m 25.7604 9 13^h 0^m 44.6624 9 49^m 37.6631 ? 54^m 50.6640 9 14^h 01^m 03.2645 ? 02^m 41.0646 9 03^m 47.2648 8 14^h 07^m 38.3651 ~~7~~ 13^m 17.6652 9 13^m 26.4May 3^dMay 4th

May. Angel.

9 2.03 2^d wire lost9 3.19 1st wire lost

10 2.35?

B.B.

12 9.50

12.11 10.20 2^d wire lost

11 10.30

D

8.3

8.7

9.0

51.2 51.8

56.2 56.1

9 2.00 2^d wire lost9 3.17 ns 1st wire lost

10 7.31 cent

B.B.

12 9.50

12 10.18 ns

11.12 10.29

B

Zone 6

0.50-1.00
11

Zone 7

57^m 20.1 24.1
 57 28.9 32.8
 58^m 6.8 10.6
 22.7 26.9
 36.5 40.5
 52.2 56.3
 B

59^m 17.0 21.0
 36.9 —
 59^m 26.1 —
 0^m 38.4 42.5
 1 13.7 17.7

B
 2^m 58.0 61.9
 4 12.2 16.2
 4 17.4 21.4
 4 53.8 57.8
 B B

5 25.3 29.2
 5 28.2 32.4
 5 31.5 35.7
 6 0.2 3.9 (1.8 5.7)?
 7 1.8 5.7
 7 17.1 21.1
 B

7 17.1 21.1
 7 34.2 —
 7 34.9 39.0
 D

8 52.8 56.9
 9 1.9 5.6
 9 23.0 26.9
 9 53.2 57.2
 10 3.6 7.3 (8.8)

57^m 20.0 24.0
 57^m 28.7 32.6
 58^m — 6.6
 58 22.6 26.4
 58 36.5 40.4
 58 52.0 56.0
 D(BD)

59 16.9 20.8
 D(BD)

12^m 0^m 38.3 42.2
 1 13.3 17.2

B D
 4 12.2 16.1
 4 17.6 21.4
 4 53.7 57.6
 B

5 25.1 29.1
 5 31.1 35.1
 7 ~~17.3~~ 20.8
 7 34.5 38.6 *

D

8^m 52.8 56.7
 9^m 1.7 5.6
 9 22.9 26.8
 9 53.0 —
 10 3.3 7.3
 B

like not observed.

Zone ϕ $0^{\circ}50' - 1^{\circ}00'$ Zone ϕ

11 3.00
 10 10.302
 12.13 6.39
 12 3.30
 10 5.13
 10 ~~4.19~~ (4.47)
 B

11.12 1.21
 12.13 5.18 2^d w. lost.
 D B

13 7.33? 2^d w. lost.
 11 0.10
 12 5.39 at star 5.00 precedes

B
 12 2.00
 9 8.43
 12 3.13 short signal
 12 3.17 Comp. n.f. ~~25"~~ (22")
 B B

12 4.12 blue comp. s.f. 14"
 11.12 ~~5.45~~ OR obs of star no decl.
 12 8.48

12 9.22 ns
 B

12 8.08
 12 1.34 2^d wire lost
 10 1.04 ns

D

12 2.41
 12 1.50 ns

11 5.37
 12 5.31

10.11 8.07 comp. n.f. distant
 it was observed on 2^d wire

9.3

11 2.56 lig. to both wires
 10 10.29 *this is not the*
 12.13 6.38 n.s. 1st wire lost
 12 3.27 *— 1st wire*
 10 5.08
 10 4.43 cert
 8

11 1.18
 ① ϕ B. B was this star seen the 4th?
 9
 ① was this star seen the 4th?
 11 0.06
 12.13 5.38

B. B

12 1. seen but not observed
 9 8.38
 12 3.11 ns
 ① 12 3.13 Comp n.f. 21"
 B

12 4.09 comp. s.f. 14"
 12 ~~6.47~~ was this star seen the 4th?
 12 8.03 cert 1st wire?

9
 11 1.00

} why not obs. the 4?

12 2.39
 12 1.49
 11 5.31
 12 5.30 2^d wire lost
 10.11 8.01 comp n.f. 25" Angle 540
 B

Zone 6

0,50-1,00

Zone 8

B

11^m 5

8.5

12.8

pen growing out.

12^h B D

12 . 19.9 24.0

12 40.1 44.1

12 — 56.9

B

14 22.4 26.4

14 51.2 55.0

15 2.7 6.7

15

15 53.1 57.0

B B

16 32.1 36.1

16 57.2 61.2

17

Zone C

0°50' - 1°00'

Zone D

B

12 8.00 no. 1st w. lost.
 12.13 9.12?

D B

12.13 6.30 is it nebulous?
 10 0.11
 11 10.56

12 7. seen but not ^{obs} - M. too bright

B. D

12-13 6.25
 10 0.08
 11.12 0.00 seen but

B

11 3.07
 12-13 3.02
 12 5.39
 12 9. Comp. ? no M
 11 10.12

B. D

11 0.14
 11.12 4.08
 9.40 10.12 n.s.

None ~~6~~

0.50' - 1.00'

None ~~8~~

$$\begin{array}{r} 12.19 \\ 14.30 \\ \hline 2.11 \end{array}$$

$$\begin{array}{r} 17^m \quad 0.1 \quad 4.0 \\ 17^m \quad 238 \quad 279 \end{array}$$

B

12h

18 ^m	29.5	33.6	?
19 ^m	33.2	37.0	
19	47.9	51.9	
19	54.8	—	
20	12.7	16.7	
20	—	26.5	

B B

20	48.8	52.4
21	9.3	13.2
21	14.2	18.3

Q

20. 48.6 52.4

22 27.9 31.9

22.	44.6	48.3	9
22	—	51.2	

Q

22^m 44.6 (48.1 where does this belong)

B

23	27.2	31.3
	4.3	8.4
24	25.2	8.4 29.2

B

23 27.3 - 31.2

24 25.0 29.1

B B

25 2.5 6.3

Zone 6

0^h50' - 1^h001.52
12.20
14.12

Zone 8

9.10 10.17 (10.14")
10.11 1.30

B

12 4.40
12.13 9.59
9.10 4.03
12 3.59 2nd w. lost.
9.10 8.55
12 7.54 1st w. lost.

B B

10 10.21
12 6.28 blueish
12.13 4.50 no

D

13 6.39?
11 5.16
dec. in?
11.12 10.03
12 5.33 1st wire lost.

D

11 7.18 1st w. doubt?
12 9.19
12 4.30

B

12 8.39

9. 10.12
10.11 1.27

B

seen but not observed

12 seen but " "
10.9 4.00 Cat star
10 8.49

10 10.09 cent
seen
A star 4.20 but not obs
4.10

star?

11 10.00
12 5.23 R lost
B

11 7.13
12-12 9. lost
12 4.25

D. B

12 8. B 9 +

Zone 6

0,50' - 1,00'

Zone 7

25. 35.8 33.8

(25 35.7 39.5)

BB

DB

27 20.9 24.8

27 20.8 24.7

D

B

27 56.0 60.0

27 55.9 —

28 00.6 4.4

28 00.2 4.2

28 5.3 —

28 38.9 42.6

28 38.8 42.8

28 52.2 56.3

28 52.1 56.1

BB

DB

29 53.9 57.9

30 14.4 18.3

30. 14.4 18.3

D

B

30 57.4 —

31 20.0 24.0

32 46.2 which wire?

31 19.9 23.8
long B

BB

32 20.6 24.7

33 20.6 24.4

26.6 30.7

33 26.9 30.4 ?

3 — 38.3

D

DB

34 45.5 49.5

34 45.3 49.3

35 8.9 13.0

35 8.3 12.7

33.8 37.9

35 33.6 37.7

None ~~B~~

0°50' - 1°00'

None ~~D~~11. 4.19 in an elongated nebula.
a star 10.11 nebulous

11 4.14

Nebula H. IV. 5
~~Star~~

B B

D. B

11. 8.05

11 8.00

D

B

12. 2.33

12 2.28 ~~Swim lost~~

10.11 10.22

10. 10.18

12. 0.58 2^d w. lost.

See but not ob

9.10 10.38

10 10.34

11 sign to 2^d w. none to 1st

11 8.08

11 8.01

B.D.

D. B

12.13 10.28?

11 6.29 double comp. *

11 6.24 has no comp.
to be verified

D

B

13 7.35 in a faint nebula by 2^d w. lost9 9.37
B B9 9.33
long. B~~D~~

12 4.18

12 4.18

11.12 9.17 ~~no~~

11 9.07

12 lost 1st w. lost.

Was this seen?

D

D. B

12.13 4.23

12 4.20

12 4.01

12 3.59

10 5.57 double comp. 30" af. *
revs.10 5.31 cent Double?
revs.

Zone 6

0° 50' - 1° 00'
12

Zone 7

B

B2 B

36 0.7 4.9
 37 3.2 7.1
 37 8.0 11.6
 37 34.6 38.7
 37 50.0 to h w.?

new

37 7.4 11.5
 37 34.6 38.5

B

B

38 8.8 12.8
 38 49.9 53.9
 39 — 35.3
 39 38.7 (42.7)

38 8.5 12.5
 38 49.8 53.8
 39 31.1 35.1
 39 38.6 42.7

BB

D

40 20.7 24.4
 40 49.9 53.8

40 20.8 —
 40 49.7 53.6

S

B

41 49.1 53.0
 41 57.0 54.9
 42 34.7 38.2
 42 — 42.8

41 48.9 to h w.? 1st w.?
 41 50.7 55.9
 42 34.5 38.4
 42 — 42.7

B2 B3

B2

42 57.2 55.3
 44 25.9 29.8
 44 38.6 42.6

D

45 14.7 18.6
 45 52.7 56.5
 46 23.1 27.1

44 25.7 29.7
 44 38.3 42.3
 45 14.4 18.3
 45 52.7 56.5
 46 23.1 27.1

Cat Star

None ~~6~~

0.50' - 1.00'

None ~~7~~

B

13 0.58 2^d w. dubbf.?
 12 3.08
 12 0.05 ns
 11.12 5.485
 12 - 0.08? Ar?

B

10 3.58
 11 4.29
 10.11 3.40 1st w. lost.
 12 4.57 2^d w. lost.
 notes.

BB

12 10.28
 12 10.23

D

11 1.13
 12 1.30 ns
 11 8.21 2^d w. lost.?
 11.12 6.25
 1

BDB

12.13 lost
 11.12 6.40
 8 1.14

Cat star

D Telescope moved by wind

9.10 9.55
 12 0.35
 10 2.40

B. D. B

12 0.01
 11.12 5.40

B

11 3.54
 11 4.24
 11.10 3.51 cent
 12 4.48 cent

D

12 10.19² m.s 2^d w. lost
 12 10.20

B

11 1.09
 12 1.25 ns
 11 8.17
 11 5.21 cent 1st w. lost

B.D

was it seen here?

11.12 6.36 Small blue 40" s.f.
 8 1.10

B

9.10 9.46 cent
 12 0.30
 10 2.36

6

12

7

~~47 03.1 7.4~~
~~27.7 31.4~~
 16.7 20.2 ?
 59.3 63.3 ?

48. 24.8 28.8

48 38.0 42.0

BB

49 33.0 37.0

49. 34.0 38.0

50. 52.3 56.5

51 30.5 34.2

51 47.3 51.3

52. 57.2 63.3

53. 39.2 43.2

52 47.4 51.4

52 12.6 16.6

BB

55 32.6 36.6

55 43.0 47.0

BB

56 26.5 —

57 12.1 16.2

19.4 23.4

31.0 35.1

58 14.3 18.3

20.6 —

58 23.9 27.6

42.5 46.8

BB

19.3 13.1

23.6 27.7

BB

2 42.0 45.9

2 53.7 63.7

3 18.8 22.8

3 28.9 32.8

BB

negative

47 02.9 —

47 27.5 31.3

BB

48 24.9 28.8

48 38.1 42.0

BB

49 32.8 36.9

49 33.8 37.7

BB

50 52.4 56.3

51 30.8 34.6

51 47.1 51.1

BB

52 59.1 63.0

53 39.1 43.0

54 12.6 16.5

BB

55 32.6 —

55 42.8 47.0

BB

56 — 30.0

57 12.2 16.0

58 19.2 23.1

BB

58 14.1 18.2

58 20.8 —

58 23.7 27.7

58 42.9 46.9

BB

13^h 09.0 — 13.0

23.5 27.3

BB

2 41.9 45.8

2 59.7 63.8

3 28.6 32.2

BB

6

13 $\frac{2.29}{\cancel{B.B.}}$ rubs.
B.B.

13 0.08?

12,13 4.05

13 lost in D

13 1.13 12 2.30

13 3.33 12 2.19 *no star ab. 15th*

B

12 5.24

12 9.00

12. B 7.30

12

B

~~12 7.30~~
~~11 8.45~~

11. 0.11

12 3. ?

B.B.

12 6.10

12

B.B.

12 2nd lost. 2nd w. lost.

12 9.10

12 6.30

10.40

12 9.

12 35

dec. of a star lost

B.B.

11. 29

12 0.05

Vacancy Lots for a minute

12 7.04 numerous small stars

12 5.05

12,13 6.07

13 6.18

B

7

13 6.21 cert Sig. tabs. 2 w

11,12 4.00

B

13 1.10

13 3.31

B.B.

12 2.27

12 2.05 cert

12 B.B.

11,12 5.20

12-13 9.00

12-11 7.25

13 3.13 Com 15 mag on J. 16"

11 - 0.13
why not observed here?

12 8.41

B.B.

12 6.10 2 w. lost

12 9.00 cert

B

13 7.14 1st w. lost
why not obs. here?

11 10.39

B.B. a star here?

12 9.50 sig. to each w. in

12 8.30 2 w. lost } sig. in

3.34 ms

(wrong place)

11 10.10

B.B.

12-11 1.25

12 0.02

B

12 7.04

12 5.02

seen

13 6.16

B

where is?
cat. star 004

6

5^m 29.2 33.2
41.8 45.6
B

6 — 8.3
6 14.3 18.2 →

6 59.0 63.0
7 11.9 15.9
B

7.8 47.4 51.3
7.9 35.5 59.1

10 36. 11.5

10 — 16.3

10 39.0 43.0

10 53.0 56.9

B B

11. 47.9 52.0

this star not obs

13 18.4 22.3

13 58.2 62.2

14. 8.6 12.4

14 40.4 44.3 →

15 22.0 24.1

B B

16 2.3 6.8

27.4 31.4

17 2.2 6.0

17 13.1 16.8

17 18.7 —

B B

18 29.9 33.7

1 (59.5) 63.4

19 12.6 16.4

13

7

5^m 29.4 33.3

5 41.6 45.4

6 3.9 8.2
B

6 58.9 62.9

7 11.9 15.8

B

9. 55.0 59.0

10 7.1 11.0

10 12.2 16.1

10 38.7 42.8

10 52.7 56.6

B B

11 47.8 51.8

12 30.1 34.0

13 18.1 22.1

B

13 58.1 62.1

14 08.2 12.2

14 17.9 22.0

14 40.0 43.8

15 20.0 24.0

B B

16 27.3 31.2

17 1.8 5.9

17 23.6 —

B

18 59.1 63.3

19 12.3 16.1

B

6

7

11.12 6 ...

Dec.?

B

12 1.29

12

12 8.00

11 4.35

12 3.02

B B

12.13 0.51

12.13 2.36

B for a minute

Dec. * double

1st from last.
1st wire last

12 2.11

B B

star not obs.

11.12 5.17

13 5.20

11.12 5.17 *

13 5.20

B

11.12 4.49

12. +

why not obs. here?

12 8.00

12 10.45?

B B

12 6.20 as

12 6.10

12 6.10

12 8.10

10 9. — 2nd wire last as

B. D

12.13 5.50

12 5.26

1st wire last

12 0.50

B B

Date for a minute

11 6.37

12 2.10 m.s

1.

12 1.27

12 Not seen

12 4.31

12 2.59

B

12 decl.?

12 (5.31) Double-comp. m.f 40"

1.54 m.s

11 7.10 m.s

11.12 1.37

11 2.06

B B

11.12 5.11 Cert

13 B obs.

13 3.10 obs.

13 5.18

D

11 4.44

12 10.30

11.12 0.10

14.12 7.58

11.12 10.42

B. D

star?

13 6.06

13 6.05

12 9.43

12 9.43

B

star?

12-13 5.23

12 0.49

B

6

7

13^L20^m 13.3 17.3

20. 33.7 37.5

21 05.0 8.9

21 01.3

22 ~~05.3~~ —

22 — 5.3

22 33.1 37.0

13

23 10.9 14.9

23

25 26.4 30.7

25 42.9 47.0

26 13.1 17.0

26

26 50.9 54.7

26 58.9 62.9

27 06.3 10.3

27 34.7 38.5

27 13

27 57.9 62.1

28 35.9 39.9

29 23.9 28.0

29 13

29 52.2-56.3

30 10.2 - 14.3

30 48.1 52.0

30 59.3 63.2

31 23.6 27.6

31 ~~40.0 44.3~~ 44.3

31 13

31 13

34 40.5 —

35 42.0 45.9

35 44.6 48.6

35 58.3 62.2

36 29.9 33.9

36 13 13

2 13.6 17.6
nothing low?

20 33.8 - 37.8

21 5.2 9.2 21.42.9-46.8

22 01.4 5.4

22 33.3 37.2

23 18.3 15.0

25 26.8 30.6

25 43.0 47.0

26 13.2 17.2

26 57.0 54.9

26 59.1 63.0

27 06.3 10.3

27 34.6 38.6

27 13 13

27 58.2 62.0

28 36.0 40.0

28 24.1 28.1

29 13

29 52.9 56.6

30 10.7 14.6

30 18.0 52.2

30 48.2 52.2

30 59.3 63.3

31 23.8 27.8

31 40.5 44.4

32 13 13

32 12.4 16.3

32 40.7 44.7

35 40.6 —

35 42.2 45.3

35 45.0 48.9

35 58.8 62.6

36 20.0 34.0

36 13 13

which wiring battery
goes out

6

12. 4.00
9.10 10.30 * wrong10. 10.47
~~Star 9.10?~~
D12. 8.05 *
8.9 1.0013 5.19
B12 3.24
DB12 5.30
~~11. 11~~ —10.11 3.18
B

11 0.00

12 - 0.08

11 2.50
*

B B

12 7.58

11 8.37

11 6.49

12 0.41

B

12 10.10

12 5.40

12 6.57

12 5.05

10 8.09

10 9.38

B B

7.34

1 8.58

5.09?

6.08?

11 5.47 *12.6.38
12.9.30
3.13
2^d w. lost.

Examine this region

7

12 3.57 comp. n.f. blues
Star 9.10?10 10.43 cert X } which comes
9.10 10.40 cert } first seen
2.0312 7.10 cert 2^d win lost
8.9 6.58 1st win lost
13 5.18 cert
B12 3.20
~~B B~~12 5.27
12 2.08 cert11.10 3.13
D

11 - 0.05

12 - 0.12

12 1.49 cert

11 7.30
B. D

12 7.50 cert

11 8.45 cert

11 6.45

12 0.38

DB

12 10.00

12 5.37

12 Star? 6.48

12 5.00

9.10 8.05

12 9.31

12 Star?12 7.30 2^d win lost

12 6.30

12 5.11

12 6.64

10 4.42
B B

7

3.0 - 2.2

6.7 10.9

47.4 51.3

07.4 11.2

15.1 19.0

20.0 23.9

52.1 56.1

B B

39 44.2 48.2

40 00.4 4.3

36.2 40.2

42.1 46.1

41.5.3 9.2

42. 29.0 33.0

43 10.7 14.4

48 17.2 21.0

45 18.4 22.2

46 17.2 17.3

46 27.1 31.0

46. 58.6 63.4

47 25.6 29.5

48 15.8 19.6

48 450.0 54.1

49 21.6 —

37.5 41.5

50. 49.9 53.9

51 43.1 47.2

52 12.0 15.8

53 0.5 4.5

52 19.8 23.8

30.1 34.0

54.9 58.9

13^h37^m ~~6.8~~ 2.8 6.837^m 10.8 —37^m 47.1 51.138^m 07.2 11.2

38 14.9 18.9

38 19.8 23.8

38 52.1 56.1

B B

39 44.1 48.0

40 00.4 04.4

40 36.1 39.9

40 41.9 45.8

41 05.0 08.7

B

41 45.4 49.5

42 28.8 32.6

42 30.2 34.3

43 10.4 14.4

43 17.0 20.9

B B

45 18.1 22.1

46 13.1 16.9

46 26.8 30.7

B

46 54.4 63.5

47 25.6 29.3

48 15.5 19.4

48 49.9 53.9

49 21.4 25.2

49 37.4 41.4

B B

50 50.0 53.9 51^m 42.9 46.9

52 11.8 15.7

53 0.2 4.1

53 19.7 23.6

53 — 29.9

53 54.8 58.7

(11. 5.47) *
*

10.11 2.21

10.23 *

12 5.47 *

11. 3.50 *

11. 2.28

B B

11.12 7.50

11 7.13

11 10.09

11 4.41

12 9.30 double (does this star belong here
or does it correspond to
the one marked A with
an error of 1"?)

Star?

12. 2.05

Star?

12 5.46

11.12 4.18

B

12 6.10

12 2.11 double?

B B

12.13 6.13

12.7.05

12 9.27

102 10.39 2^d w. lost.

10 2.31

B for a min.

12.13 6.09

12 9.03

11 8.09

12 4.09

11 5.29

12 6.19?

12 3.55 double?

11 2.006

11 3.42 2^d w. lost

12 2.18

11 10.28

11 4.44

11.10 2.46

10 2.23 Telescope moving

B B

11 7.47

11 7.09

11 10.05

11 4.39

12 9.29

A 12 10.43

12 2.00 L

12 2.40

12 5.40

12 3.11 cent

B. D

12-13 2.57

12 6.05

12 2.06 double?

B

12-13 6.10 Double Comp. 15 mag. m. 23

11 4.17 *

12 7.00

12 9.20

12 10.39

10 2.28

B D

12 6.02

12 9.00

11 8.05

12 4.04

11 5.24

12 6.28, 2^d w. lost

12 3.49 double?

6

54. 4.5 -7.2
 54. 25.3 29.3
 51.0 55.0

55. 24.2 28.0
 56 7.7 11.6
 57 (7.0) 14.0, 16.0 18.0
 20.0 21.9 25.8
 57 29.7
 45.2 45.2
 BD

58. 50.2 54.3
 0^m 0^m 15.2
 23.3 27.3
 1^m 58.9 62.9
 3.3 7.3

2^m 6.0 — 6.00
 7.9 (9.0?) —
 2. 57.1 55.0
 3 7.9 11.9
 3 14.0 —
 B

3 47.3 57.2
 4 14.6 18.5
 5 39.1 43.3
 5 50.0 53.3
 6 24.3 28.2
 B

6- 31.0 35.0
 47.9 52.0
 (56.0)

7 5.3 9.1

13

7

54^m 25.4 29.2
 54^m 51.0 55.0

55^m 20.0 23.9 27.9
 30.0
 56^m 7.4 11.4
 57 13.9 17.8
 16.0 19.8
~~17.8~~ 21.7
 25.2 25.9 25.0 49.0

B

58 44.6 48.4

58 50.1 54.2

59 42.0 45.9

14 0^m 23.2 27.1

1^m 3.1 7.4

BD

2. (8.9 12.9)

2 57.1 55.1

3 7.9 11.9
 14.0 —

3 47.2 57.2

4 14.5 18.4

5 39.1 42.8

5 (43.1 46.6)

5 49.9 0

6 21.2 25.2

B 28.0 30.7

— 34.9

47.5 51.5

(55.3)

0^m :
 7.2 5.1 — 8.9

B

12. 1.41

10. 5.03 x

12. 30.8

11. 9.32

11. 5.26

11. 3.55 ns

11. 4.38 ns

11. 1.53.

H - 0.02

B B

11.12. 5.40

Two stars passed.

11. 7.50? 2^d w. lost.

11.12 1.15

9.10 2.29 Comp fol. 18" ns

12 2.53. ~~4B~~12.13 ~~2.53~~ 3.07. 1st w.l.12.13 1.00 2^d w.l.

10. 6.30

11.12 6.38

12. 5.00 ns 2^d w.l.

B

10.11 4.59

11. 7.28

10. 10.28 2^d w.?12 9.49 2^d w.?

12 9.50

B

12

12 9.12

11. 6.08

12 5.49

11 7.18 2^d w.l.

11.12 10 —

10. B

12 1.40

10 4.58

B

12.13 3.07

11 9.28

12.11 5.20

11 3.40 east

11 4.30 2^d w. lost

11 — 0.08

B

11.12 10.00

11 5.34

11.12 10.50

12

1.48

9.10 2.50 east

B B

12.13 3.00

12 0.53

10 6.28

11.12 6.33

4. — 2^d w. lost n.s.

10.11 4.53

11 7.23

10 10.23

12 9.30 east

12 9.49

B

10.50

11 9.09 ns

6.01

12 5.41

11 7.13

11.12 10.57

B

Examining here

6

14

7

7 38.8 42.7

7 44.1 48.1

8

8. 50.2 54.2

51.1 55.1

58.7 —

9 13.0 17.0

54.3 58.4

10 6.0 9.0

10 520.2 24.1

7 38.4 42.4

7 — 45.0

7 44.1 48.0

8

8. 549.7 54.7

50.6 ~~54.7~~

1 58.1 —

9 12.8 16.5

9 54.5 58.2

10 5.8 9.9

10 20.4 23.9

10^u 24.3 28.0

13

11^u 07.2 11.3

11 51.9 56.1

12 14.3 18.3

12.4.0 whw?
12.380°

— 37

7.0 8.1

13 17.6 21.7

13^u 30.3 30.4

no data

10.11. 4.52

12

12 8.19 m.s.

9

12. 2.30

10 5.52

12 4.52 2^d w. lost.

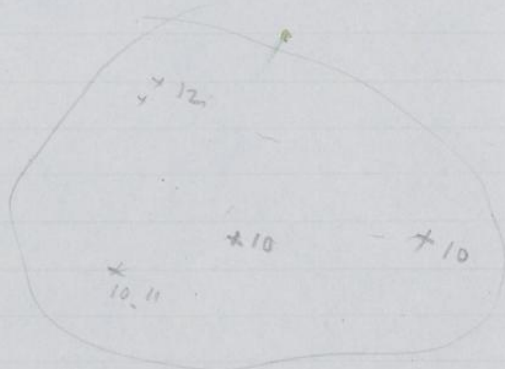
14 4.29 ✕

12 4.10

12 4.19

examine ✓

examine ✓



10. 4.48

12 9.33 1st win lost

12 8.14 m.s.

8

11 2.25-

10.11 5.46 2nd win lost

12 4.45-

12 4.34

12 4.05-

0.48 Bright one of 10 mag. *horse and*

0.00 215

0.47

B

12 4.40

12 6.55-

12 1.11

12 5.26

13 0.57 { 1st win lost m.s. Sample

- 0.00 { comp s.p. 14"

12 - 0.03

12 3.29

13th May 1859

EC 12^h 57^m 00

* Bar 30112
alt th 66
eq th 52

11.12 ~~4.12~~
6.40 ms

~~11.12~~ ~~4.13~~
17 6.40 ms
8.50

Q

11 4.13
12 6.87 cent
12 8.49 cent
12 9.18 2 min 9

B

12 8.08 cent
12 1.43
10 1.04

14^{th} May
 68 12.57 m° $\angle$ 52.0
 Bar 30.230
 alt th. 63. $\frac{1}{2}$
 evet th.

May 14

12 4^h 0712 6^h 39 ns

13 bright moonlight

12 8^h 03 1st win lost~~Star~~ Star reaching 9 + seen but not obs0^h 59 long sig.

May 23 Fine clear night.

3 B
 12 3.18 Count 15 mag 22" list.
 12 4.14
 12 6.44 m3
 B 8
 8.11 m.3. lost
 D. B
 12 8.05
 9 1.03
 12 2.43 list + 12 mag.
 12 1.53
 11 5.86
 B

29 material line

46	9.4.12.14.31	12.0-14.4	May 23	14.0
50	2.18 th	4.43-11.54	May 23	14.0
50	3	11.54-14.1	May 23	14.0
60		6.27	May 23	14.0
7			May 23	14.0

V

N

Should near the 2 xx in the left hind foot
of the great bear

* *

H 5

+
+

+ H 17

