KG
11366
v.365

R 114

Feb. 13, 1900 (Tuesday)

7 00 Cloudy

7 30 Cloudy

8 00 Cloudy

Bond 394	a o Dent
8 20 00.0	8 36 425

8 30 Cloudy

9 00 Cloudy still, no chance for any work.

9 45 Clearer now.

Phot T. T. Monocerotis W 6h
9.5 cap used
6 17 +7.2
7 41
1 24

see next page for measurements.

Feb. 13, 1900

T Monocerotis

Above & Right

Plotted
Ledgered

306.8
10 16.6   27.7   30.9
178.2   29.1
207.3   600 − 2.86

357.9   2.87
28.2   30.3
179.1   29.1
208.2   59.4 − 2.88

Below & left.   mean = −2.74
266.1
299.3   33.2
85.2   34.0
119.2   67.2 −2.60

266.2   −2.62
10 25.0   299.4   33.2
41.6   85.6   32.9
10 20.8   118.5   66.1 −2.64
5 − 16.8
15 4.0
5064.628   27.012
5063.082   +1.546
+1.546   25.466

Feb. 13, 1900

Same Again

Left & Below.

265.9

10 28.0 299.9 34.0″

85.7 33.5″

119.2 67.5″ −2.59″

266.8 32.7″ −2.63″

299.5 32.5″

86.6 65.2″ −2.67″

119.1

Above & Right Mean = −2.74″

179.4

208.3 28.9″

357.8 30.3″

28.1 59.2″ −2.89″

177.7 −2.86″

10 37.0 208.4 30.7″

65.0″ 357.4 30.0″ Final Mean = −2.74″

10 32.5″ 27.4 60.7″ −2.84″

5 −16.8″ Position Angle Vernier A. 78.2

15 15.7″ Sprocket Wheel A System −2.5

5064.636″ " " B System −1.5

5063.082

+1.554″

27.012

−25.458

Feb. 13, 1900.

Phot T. R Camelop. W Obs.

14 40 +8 41
8 26
6 14

Comp. Star used in photometric obs. 46 = comp. Star a

Right & Above **Ledgered.**

340.2 ∠ var dis 9.5 inch cap used.

11 13;0 450 64.8

163.2 60.3

223.5 125.1 − 1.08

341.1 − 1.06

44.4 63.3

161.1 64.1

225.2 127.4 − 1.03

Left & Below.

247.1 Mean = − 0.97

318.0 70.9

69.8 64.4

134.2 135.3 − 0.87

248.9 − 0.88

11 20.0 315.7 66.8

33.0 68.6 68.2

11 16.5 136.8 135.0 − 0.88

5 − 16.9

15 59.6 Gr. M. Time

5064.667

Feb 13, 1900

Same Again.

Left & Below.

246.2

11 23.4 316.8 70.6″

68.2 67.2″

135.4 137.8″ − 0.82″

249.1

316.9 67.8″ − 0.85″

69.3 67.1″

136.4 134.9 − 0.88″

Right & Above.

160.2

224.2 64.0″ Mean = −0.92″

340.9 63.8″

44.7 127.8″ − 1.03″

161.9 −1.00

11 28.4 225.9 63.3″

11.8 337.2 66.7″

11 20.9 43.9 130.0″ − 0.98

5−16.9 Final Mean = −0.94

16 9.0 Gr. M. Time:

0064.673″

Position Angle Vernier A = 114.1

Sprocket Wheel B System = −1.5

Sprocket Wheel C System = −0.8

Feb. 13, 1900

Comp of Chronometers

Bond 394	B & Dent
~~4~~ 21 09 00	~~4~~ 21 26 30.0

Set A & Dent.

Bond 394	A & Dent
21 12 00.0	21 07 30.2

Frodsh 1327	Frodsh 3451
19 07 01.0	19 07 33.3
19 08 01.0	19 08 30.3

Feb 14, 1900 Wednesday

Bond 394 F. & Dent.
~~7~~ 6 58 00.0 6. 54 03.3
6 59 00.0 6 55 03.3

Phot T. T. Monocerotis. W Obs

9.5 cap used.

6 17 +7.2
5 17

1 00 Ledgered

L. & A. 11 00 Plotted.

354.3
7 37.4 29.6 35.3+
178.3 29.7+
208.0 65.0+ −2.68+

358.0 −2.72+
27.0 29.0
176.2 33.5
209.7 62.5 −2.77+

R. + Below
264.7 Mean −2.64+
302.1 37.4+
87.0 32.1
119.1 69.5 −2.52+

266.3 −2.56
737.08 299.0 32.7+ 5065.525
64.4 84.9 34.9+ 5063.082
7.32.2 119.8 67.6+ −2.59+ +2.443
5+3.9 = G. M Time 27.012
13 3[illegible] −24.569

Feb. 14, 1900

Same Again.

Right & Below

264.0
7 39.0 299.6 35.6
85.7 32.9
119.6 68.5 – 2.56

267.4 –2.60
299.2 31.8
85.1 34.1
119.2 65.9 – 2.65

Left + Above
176.6 mean = –2.66
209.9 33.3
359.9 32.7
29.6 66.0 – 2.64

–2.~~68~~ 71
177.0
7 48.0 209.3 32.3
87.0 356.2 29.9 ~~30.7~~
7 43.5 26.2 ~~63.5~~ 3 – 2.78
+3.9
62.2
12 47.4 G.M. Time.
5065533
5063082
+2.451
27.012
–24.061

Pos. angle Vernier = 257.7
Sprocket Wheel a System –2.5
" " B " –1.4

Feb 14, 1900

Phot W. o Ceti W obs

2 12 - 3.6
6 06
3 54

Left & Above

Ledgered.

Plotted.

327.9 < var. dis.
8 20.0 49.5 88.6
1479 81.1
2290 162.7 - 0.33

3280 - 0.34
49.8 81.8
1488 80.3
2291 162.1 - 0.34

Right & Below
2374 Mean = 0.38
3187 81.3
6a6 76.6
137.2 157.9 - 0.42

238.0 - 0.42
8 27.0 317.7 79.7
7.0 59.2 78.9
8 20.5 138.1 158.6 - 0.41
5 +3.9
1327.4 Gr. M. Time
5065.560

Feb 14, 1900

Same Again.

Right & Below
239.3
7 30.0 318.2 78.9
61.0 77.7
138.7 156.6 - 0.45

239.0 - .041
318.5 79.5
57.6 81.2
138.8 160.7 - 0.37
Clouds.
Left & Above Mean = -0.36
148.0
230.9 82.9
328.2 83.0
51.2 165.9 - 0.27
Clouds.
148.4 -0.30
8 37.0 228.0 79.6
7.0 327.7 82.4
8 34.5 50.1 162.0 - 034
5 3.9
13 38.4 G.M. Time.
5065.568

/

Feb 14, 1900

Phot T. T. Persei W. Obs.

2 8 +57.2
6 58
4 50

Right & above. Ledgered.
73.0 Plotted.
9 13.0 134.8 <var dis 61.1
253.3 58.9
312.2 120.0 - 1.19

72.5 -1.21
134.0 61.5
253.9 56.6
310.5 118.1 - 1.23

Left & Below
347.5 Mean = -1.36
39.4 51.9
165.6 54.7
220.3 106.6 - 1.50

345.2 -1.50
9 22.0 39.0 53.8
35.0 167.2 52.3
9 17.5 219.5 106.1 - 1.51
5 +3.9
14 21.4 Gr.M. Time.
5065.598

Feb 14, 1900

Same Again.

Left & Below

347.0
9 24.4 38.5 51.5″
165.9 54.4″
220.3 105.9″ −1.51″

~~346.9~~ 165.7 −1.50″
~~39.7~~ 218.0 52.3″
~~166.5~~ 345.1 54.4″
~~21~~ 39.5 106.7 −1.49″

Right & Above Mean = −1.32″

77.7
134.1 62.4″
251.0 63.0″
314.0 125.4″ − 1.08″

72.2 −1.14″
9 34.6 133.7 61.5″
59.0 253.4 58.7″
9 29.5 312.1 120.2″ − 1.19″
5 +3.9 Pos. Angle Vernier A. 147.8
14 33.4 Gr. M. Time Sprocket Wheel C System −4.3
5065.607 " " B " −5.5

Feb. 14, 1900.

Same again.

Observed through some light cloud in last group, espec-ially in latter part of last group.

Phot T. R Camelop W Obs

14 40 +84.1

7 55

6 45

Left t. 0 15

Clouds.

69.0 ∠ var.

1011.0 132.7 63.7

207.8 64.0

315.8 127.7 —

72.2

134.2 62.0

2 . Clouds .

31 . . —

Reject above partial group, impossible to finish group on account of clouds, and the partial group taken was observed through clouds also.

Feb. 14, 1900

Phot W. $\Sigma 16'$ W Obs.

5 : 29 − 5.5
8 39
3 10

Pos ang 115° Dist 1' ± Magns 4.9 − 6.2
Right & Below
71.3 ∠ br. dis.
10 53.0 123.4 52.1
244.4 60.8
310.2 117.9 −1.24

68.3 −1.30
128.2 59.9
251.7 52.6
304.3 112.5 −1.36
Left & Above Mean = −1.34
343.1
33.2 50.1
158.6 60.0
218.6 110.1 −1.42

337.5 −1.37
10 56.1 39.5 62.0
9.4 162.2 52.1
10 54.7 214.3 114.1 −1.32
5 ~~0~~ +3.9
15 58.6 Sr. M. Time.
5060. 666

Feb. 15, 1900 Thursday

Bond 394 A.o Dent
7 06 00.0 7 03 28.0

Phot T. Monocerotis W Obs.

6 17 +7.2
5. 17
1 00
95 cap used. 11 00

Ledgered.
Plotted.

Left & Above
176.3
7 28.0 209.9 33.6
356.8 31.7
28.5 65.3 - 2.67

176.6 -2.66
209.5 32.9
355.4 33.0
28.4 65.9 - 2.65
Right & Below
85.3 mean = -2.58
120.5 35.2
266.1 34.2
300.3 69.4 - 2.53

85.4 -2.57
7 37.0 120.1 34.7
265.1 35.8
7 32.5 300.69 70.5 - 2.49
5 + 2.5
12 35.0 Gr. M. Time

5066.524
5063.082
+3.442
27.012

Feb 15, 1900

Same Again.

Right & Below

86.0
7 41.0 120.3 34.3
266.4 34.0
300.4 68.3 − 2.56

85.7 − 2.54
120.2 34.5
265.9 35.0
300.9 69.5 − 2.52

Left & Above Mean = − 2.5~~8~~

355.1
28.4 33.3
176.2 34.5
20.7 67.8 − 2.58

356.7 − 2.62
7 51.0 30.0 33.3
177.1 32.4
7 46.0 209.5 65.7 − 2.65
5 2.5

12 48.5 Gr M. Time. Pos. Angle Vernier = 258.2
5066.534 27.012 Sprocket Wheel ~~A~~ A System − 2.~~6~~5
5063.082 3.452 B " − 1.~~85~~5
+3.452 − 23.560

Feb 15, 1900

Phot T. R. Camelop W Obs.

14 40 +84.1
6 10
8 30
3 30

Full aperture used on R. Camelop.

Right / comp Star = Comp Star c.

160.8 < var. dis. Ledgered.

8 25.0 225.5 64.7
341.5 62.5
44.0 127.2 − 1.04

Clouds.

162.2 −1.02
50.0 226.8 64.6
339.5 64.3
43.8 128.9 − 1.00

Left. Mean = −0.94

68.4
53.0 137.3 68.9
249.4 67.5
316.9 136.4 − 0.85

68.9 −0.86
8 55.0 136.4 67.3
$18_{2}3.0$ 248.6 67.3
8 45.8 315.9 134.6 − 0.88
5 +2.5
13 48.3 Gr. M. Time.
5066.575

Feb. 15, 1900

Same Again

Left.
67.7
8 59.0 137.4 69.7
249.0 66.9
315.9 136.6 − 0.84

68.3 −0.84
136.5 68.2
249.0 68.0
317.0 136.2 − 0.85

Right. mean = −0.92
339.8
46.6 66.8
161.8 62.1
223.9 128.9 − 1.00

340.0 −1.00
9 07.0 43.4 63.4
160.6 65.6
9 03.0 226.2 129.0 −1.00
5 +2.5 Pos. Angle Vernier A − 113.6
14 5.5 a.m. time Sprocket Wheel: C System −0.8
5066.585* " " B System −1.5

Clouds.

Feb. 10, 1900

Phot. f. Star near R Ursae Min. W Obs

16 34 +72.9
8 20
8 14

3 46

L & B. Comp. star $\overset{\text{comp}}{=}$ star (d)

~~346.4 ∠ comp star dis.~~
1031.0 ~~39.7 53.3~~
~~167.4 52.5~~
~~219.9 105.8 + 1.52~~

~~347.6~~ ~~+1.53~~
~~38.9 51.3~~
~~166.0 53.6~~
~~219.6 104.9 + 1.54~~

R & H. Clouds.

Reject above partial group
Impossible to finish group on account of
clouds.
Stopped by clouds.
Much troubled by clouds through-
out latter part of evening.

Feb 16, 1900 (Friday)

Bond 394	A+Dent
6 46 00.0	6 44 54.5
6 47 00.0	6 45 54.6

6:45 Cloudy
7:00 Cloudy
7:30 Cloudy
Phot T. T Monocerotis W Obs
95 cap used.

6 17 +7.2
6 02
15
11 45

Cloudy
8 00 Cloudy

6 17 +7.2
8 30 Cloudy 6 37
0 20

9 00 Sky thickly cloudy no chance for any work impossible to get T Monocer-otis or any other object

Feb. 19 1900. (Monday)

Comp. of Chronometers

Bond 394	A & Dent 958
6 52 00.0	6 54 49.5
6 53 00.0	6 55 49.5

Phot T. T. Monocerotis BWOb

6 17 +7 2

Above 9.° capsized.

~~L~~A.

355.1

8 15.0 30.5 35.4

176.1 35.8

211.9 71.2 - 2.47

-2.48

356.4

30.8 34.4

176.3 35.9

217.2 70.3 - 2.50

~~R~~ Below mean = -2.34

262.4

302.8 40.4

83.5 39.3

122.8 79.7 - 2.20

262.8 -2.18 5070.353

8 23.0 303.8 41.0 5063.082

8 19.0 82.1 40.3 +7.471

5-2.8 122.4 81.3 - 2.16 27.012

13 16.2 G.M.T. Reject extremely faint and varying clouds -19.541

Feb. 19, 1900
Clearer,
Same Again.

Below
~~R+B~~

Ledgered.
Plotted.

262.2
8 26.0 301.5 39.3
81.9 40.5
122.4 79.8 − 220

263.0 − 220
301.9 38.9
~~81.8~~
82.2 40.5
122.7 79.4 − 221
~~L+A~~ Above
176.3 mean − 2.32
211.8 35.5
355.2 35.7
30.9 71.2 − 247

175.2 − 245
8 37.0 211.0 35.8
354.7 36.5
8 31.5 31.2 72.3 − 243
5 − 28
13 28.7 Gr. M. Time
5070.562
5063.082
+ 7.480
27.012
− 19.532

Feb 19, 1900

Same Again

Above
176.2
8 50.0 212.1 35.9'
354.8 36.3'
30.6 72.2' - 2.45'

170.4 - 2.62'
212.3 36.9'
354.3 36.5'
30.8 73.4' - 2.40'
Below
84.8 Mean = - 2.33'
122.2 37.4'
262.4 39.5'
301.9 76.9' - 2.29'

83.8 - 2.24'
8 59.0 124.0 40.2'
262.3 39.7'
8 54.5 302.0 79.9' - 2.20'
5 - 2.8
13 51.7 G. M. Time.
5070.578
5063 082
+7.496
27.012
-19.516

Feb, 19, 1900.

Same Again

Below
83.3
9 03.0 122.1 38.8*
263.2 39.3*
302.5 78.1* − 2.20*

84.2 −2.22*
123.8 39.6*
262.2 40.5*
302.7 80.1* − 2.19*
Above
353.8 Mean = −2.32
30.9 37.1*
174.4 38.5*
212.9 73.6* − 2.33*

~~354.2~~ −2.43*
9 17.0 ~~32.4~~ ~~38.2~~
~~174.3~~ ~~37.4~~
9 10.0 ~~211.7~~ ~~75.6~~ − ~~2.33~~
5 − 2.8 355.2
14 07.2 28.6 33.4*
5070.588* 176.6 35.8* − 2.53*
5063.082 212.4 69.2
+7.506*
27.012
−19.506*

Feb. 19, 1900
Pos. Angle Vernier A = 78°.4
Sprocket wheel A Spr. -2.5
" " B " -1.4

Sky somewhat hazy
Star (g) near R Ursae Min.

Phot T. 16 34 +72.9 W Obs.
8 08
8 34
3 26

R & A. Compared with comp star d.
252.3
9090 313.3 d dis. Ledgered.
73.5 60.0
133.2 59.7
119.7 +1.20
253.5
+1.24
311.1 57.6
73.6 58.9
132.15 116.5 +1.27
Left + Below mean +1.29
164.0
222.3 58.0
345.6 56.0
41.6 114.0 +1.33
163.5
+1.34
10 06.0 221.0 57.5
12 5.0 345.0 55.2
10 62.5 5070.624
5 -3.0 40.2 112.7 +1.36
14 59.5 Gr. M. Time.

Feb. 19, 1900

Same Again.

Left & Below
163.9
10 08.0 222.0 58.1′
345.9 54.3′
40.2 112.4′ + 1.36′

164.6 +1.36′
221.1 56.5′
345.1 55.9′
41.0 112.4′ + 1.36′
Right & Above
73.5 mean = +1.29′
132.5 59.0′
254.6 58.0′
312.6 117.0′ + 1.26′

74.0 +1.22′
10 14.0 134.0 60.0′
253.8 60.1′
10 11.0 313.9 120.1′ + 1.19′
5 -3.0
15 8.0′ Gr. M. Time Sk. Wheel A System -1.5
5 07 0.630′ " " 13 " -0.4
Position Angle = 200.6 A Vernier.

Feb. 19, 1900

phot. R Ursae Minoris. W Obs

Left. Ledgered.
Plotted.

163.8 ∠comp star dis
10 40.0 220.4
344.8 54.6
40.9 56.1
110.7 + 1.40
164.4
219.9 55.5 +1.42
346.2 53.0
39.2 108.5 + 1.45
Right.
75.0 Mean = +1.43
129.8 53.8
254.8 55.0
309.8 108.8 + 1.45

73.5 +1.44
10 46.6 129.7 56.2
206.4 53.2
10 43.3 309.6 109.4 + 1.43
5 - 3.0
15 40.3 Gr. M. Time.
5070.653
5

Feb. 19, 1900.

Same Again.

Right.
76.0
10 48.0 130.4 54.4
255.3 55.2
310.5 109.6 +143

74.0 +138
130.9 56.9
253.7 56.8
310.5 113.7 +133

Left.
346.1 Mean = +1.39
40.8 54.7
166.1 54.3
~~218.3~~ 109.0 + 144
220.4

346.2 +140
10 53.0 46.7 54.5
101.0 164.5 57.7
10 50.5 222.2 112.2 +137
5 - 3.0
15 47.5 Gr. M. Time.
5070.658

Position Angle Vernier A. = 309.1
Sprocket Wheel. ~~A~~ C System. = -4.8
" " B System = -5.5

Feb 20, 1900 (Tuesday)

comp of Chron.

Bond 394 A. & Dent.

6 55 00.0 6.59 17.5

6 56 00.0 7 00 17.5

Phot. T. T. Monocerotis W Obs

Object glass ~~diaphragm~~ reduced to 9.5 in.

6 17 + 7.2

5 42

0 35

11 25

Above

173.2

7 40.0 213.4 40.2^{+}

354.5 30.8^{+}

30.3 76.0^{+} − 2.32^{+}

Ledgered.

Plotted.

175.3 − 2.36^{+}

211.3 36.0^{+}

352.9 37.7^{+}

30.6 73.7^{+} − 2.39^{+}

Below

83.9 mean = − 2.28^{+}

124.3 40.4^{+}

263.2 38.9^{+}

302.1 79.3^{+} − 2.22^{+}

84.0 − 2.19^{+}

7 52.0 122.5 38.5^{+}

261.0 42.8^{+} 5071.529^{+}

7 46.0 303.8 81.3^{+} − 2.16^{+} 5063.082^{+}

5 − 4.3

1241.7 arm time. + 8.447^{+}

27.012

− 18.565

Feb. 20, 1900

Same Again.

Below

	82.3		
7 56.0	123.3	41.0	
	262.7	39.5	
	302.2	80.5	-2.18
	84.5		-2.18
	124.5	40.0	
	261.2	40.6	
	301.8	80.6	-2.18

Above.

mean = -2.26

	352.8		
	31.5	38.7	
	174.8	37.0	
	211.8	75.7	-2.32
	354.1		-2.34
8 09.0	31.0	36.9	
1250	175.2	37.6	
8 2.5	212.8	74.5	-2.36
5 -43			

12 58.2 G.M.Time.

5071.540
5063.082
+8.458
27.012
-18.554

Pos. Angle. Vernier A. = 78.1
Sprocket Wheel A System = -2.5
" " B " = -1.5

Feb. 20, 1900

Phot. V. W. o Ceti W Obs

2 12 - 3.6
6 40
4 28

R. & Below Ledgered.
236.8 < var dis. Plotted.
8 32.6 321.5 84.7
56.6 86.0
142.6 170.7 - 0.17

238.4 - 0.19
321.5 83.1
56.3 85.8
142.1 168.9 - 0.21

L. & Above
145.9 Mean = 0.20
231.7 85.8
326.8 84.8
51.6 170.6 - 0.18

148.2 - 0.20
8 40.0 232.2 84.0
72.6 327.2 84.6
8 36.3 51.8 168.6 - 0.22
5 - 4.3
(8 32 0) Gr. M. Time.
~~5071.564~~ ~~27.082~~ 5071.564
~~5063.082~~ ~~8.482~~
~~+8.482~~ ~~-18.530~~

Feb. 20, 1900

Same Again

L. Above
147.6
8 43.0 231.6 84.0
327.2 86.4
51.6 168.4 − 0.22

146.9 − 0.19
232.0 85.1
325.3 86.7
52.0 171.8 − 0.16
R & Below
56.7 mean − 0.18
142.6 85.9
236.3 85.9
322.2 171.8 − 0.16

57.8 − 0.17
8 51.0 142.1 84.3
9 40 237.2 86.2
8 47.0 323.4 170.5 − 0.18
5 − 43 Region Low
13 42.7 G.r.M. Time.
5071.572

Feb. 20, 1900

Phot. T. R Camelop WOG2

14 40 +84.1

7 25

R. Above 7 15 Plotted.

339.0 ∠ vardie 4 45 Ledgered.

9 28.6 44.0 65.0

161.8 62.4

224.2 127.4 -1.03

340.2 -1.00*

43.7 63.5

158.2 68.5

226.7 130.0 -0.98

R. Below

246.0 Mean = -0.86*

319.9 73.0

67.8 70.2

138.0 143.5 -0.70

249.0 -0.72*

9 37.4 317.8 68.8

66.0 66.6 72.4

9 33.0 139.0 141.2 -0.75

5 4.4

14 28.6* Gr. M. Time

5071.603*

Feb 2, 1900,

Same Again

L & Below
246.3
9 41.0 318.9 72.6
68.7 67.3
136.0 139.9 - 0.78

248.9 -0.76
319.0 70.1
67.8 71.8
139.6 141.9 - 0.74

R & Above Mean = -0.80
159.0
228.4 69.4
338.1 66.5
44.6 135.9 - 0.86

158.7 -0.85
9 50.0 228.6 69.9
9.1.0 339.0 66.8
9 40.5 45.8 136.7 - 0.84
5 -4.4
14 41.1 Gr. M. time Pos. Angle Vernier A 114.1
5071.612 Sprocket Wheel B System - 1.5
" " C " - 0.~~4~~8

Feb. 20, 1900

Circum Polar Variables.

R. Cassiopeiae. W Obs.
32 25 +49.7 ✓
23 52
8 33 Posted.

10 20 W 1 var, var 2 X
Region low but obs. thought to be good sky pretty clear.

R. Urs. Maj.
10 32 +69.3 ✓
8 40
1 52
10 08 Posted.

10 32 t 1 var, var 3 u. Est. 12.~~7~~ 6

S Monocerotis W Obs
6 33 +10.0
8 55
2 22

Feb. 21, 1900 - (Wednesday)

7 00 Cloudy

7 30 Cloudy

8 00 Clearer   T. Monocerotis

Phot. T.   9° cap used   W 0b.

6 ·17   + 7.2

6 .17

0   00

Above.

175.1

8 08.0 213.6   38.5

353.9   36.3

30.2   74.8

174.6

213.8   39.2

352.0

3. Clouds.

Below

Stopped by clouds Reject.

Impossible to finish group.

8 45 Much troubled by clouds

also in few settings ~~actually~~

actually taken

Feb. 23, 1900. (Friday)

7 15 Cloudy.

7 30 "
8 0 "

Phot T. T Monocerotis W Ob

6 17 +7 2
7 00
0 43

8 30 Clearer

Ledgered

Above 95 cap used. Plotted.

351.8
8 49.4 32.8 41.0
172.4 40.5
212.9 81.5 — 2.15

352.8 — 2.17
31.7 38.9
173.1 41.2
214.8 80.1 — 2.19

Below Mean — 2.08
260.8
305.7 44.9
81.5 43.7
120.2 88.6 — 1.95

260.2
8 57.4 303.8 42.6 — 1.99 5074.573
8 53.4 82.2 42.2 5063.082
5-8.8 124.4 85.8 — 2.03 + 11.491
13 44.6 Grm Time 27.812
— 15.521

Feb. 23, 1900

Same Again.

Right Below
262.2.
9 00.0 305.2 43.0
81.6 42.6
124.2 85.6 − 2.03

261.3 −2.02
304.4 43.1
81.5 43.0
124.5 86.1 − 2.02
Left & Above
172.1 mean = −2.08
214.1 42.0
353.5 39.6
33.1 81.6 − 2.15
Clouds.
172.9 −2.14
9 16.0 214.5 42.6
9 08.0 352.7 Clouds 39.5
5 −8.8 32.2 82.1 − 2.13
13 59.2 p.m. Clouds

5074583 Position Angle Vernier A = 78.2°
5063082 Sprocket Wheel A System − 2.5
+11.501 " " B " − 2.5
27.012 Stopped by clouds impossible to
−15.511 continue

Feb. 23, 1900

Bond 394	A & Dent 9.58
10 05 00	10 13 44.8
10 06 00	10 14 44.8

10 25 Clearer again.

Comp star g for R Urs. Min W Obs

Phot T. 16 34 +72.9

8 54

Comp star used - d 7 40

~~Above et Right.~~ 4 20

~~234.0 ∠ d dis~~

10 44.0 ~~310.8~~

~~7. Clouds thick.~~

Stopped by clouds impossible to finish group

10 53 Reject.

~~Below + Left.~~

Feb. 26, 1900 (Monday)

Bond 394	a + Dent 958
8 35 00.0	8 47 45.8
8 36 00.0	8 48 46.0

7 00 to Busy with astronomical telegram.
9 00 Phot T. T. Monocerotis W Obs.
95 cap used.

6 17 +7.2
8 47
Z 30

Doma frozen, cannon-balls imbedded in ice: had to chop out ice, liberate balls; dome even then moved with greatest difficulty and slowness.

See next page for meas of T. Monocerotis

Feb. 26, 1900.

T Monocerotis

Right & Above.

350.5

10 24.0 36.4 40.9

171.0 40.0

271.0 83.9 −2.03

351.6

32.5 40.9 −2.04

172.0 44.0

216.0 84.9 −2.05

Left & Below

258.9 −1.98

306.7 45.8

80.7 44.4

125.2 90.2 −1.91

261.0 −1.92

10 34.4 305.2 44.2

58.4 80.0 45.6

10 29.2 125.6 89.8 −1.92

5-12.8

15 16.4 G.M. Time.

5077.

5063 082

Reject.

Observer very much frustrated and used up in connection with extreme difficulty of moving dome on account of ice. No, moisture.

Feb. 26, 1900

Same Again.

Left & Below

258.2

Ledgered.

10 36.0   306.3   48.1   Plotted.

79.7   45.6

125.3   93.7 − 1.82

260.4   −1.83

305.6   45.2

79.0   47.5

126.5   92.7 − 1.84

Right & Above

170.5   Mean = −1.92

215.8   45.3

350.9   43.3

34.2   88.6 − 1.93

171.9   −2.00

10 47.4   216.6   42.7

83.4   351.0   41.9

10 41.7   32.9   84.6 − 2.06

5 12.8

15 28.9 Gr. M. Time.

5077.645

5063.082

+14.563

27.012

−12.449

Feb. 26, 1900

Same Again.

Right & Above

170.4

10 54.4 215.2 44.8

349.9 44.1

34.0 88.9 — 1.94

171.4

215.0 43.6 −1.94

349.9 45.3

35.2 88.9 −1.94

Left & Below

178.2

126.0 45.8 mean = −1.90

260.3 45.4

300.7 91.2 −1.88

80.0 −1.86

11 01.6 125.6 45.6

116.0 260.0 46.9

10 58.0 306.9 92.5 −1.85

5 −12.8

10 45.2 Gr. M. Time.

5077.656

5063.082

+14.574

27.012

−12.438

Feb. 26, 1900

Same Again

Left & Below

77.8

11 11.8 126.4 48.6

257.6 48.6

306.2 97.2 - 1.73

7

79.5 -1.77

125.5 46.0

259.3 47.9

307.2 93.9 - 181

Mean = -1.80

Right & Above

349.4

36.1 46.7

170.9 44.9

215.8 91.6 -1.87

349.0 -1.84

11 17.4 35.6 46.6

9.2 169.4 47.1

11 14.6 ~~215.9~~ 93.7 - 182

5 -12.8 216.5

16 01.8 Gr. M. Time.

5077.668

5063.082

-14.586

27.012

-12.426

Feb. 26, 1900

position Angle Ver A. 78.3
Sprocket Wheel A 840 .. – 25
" " B .. – 15

Feb 27, 1900 (Tuesday)

Bond 394 a o Dent
6 59 00.0 7 13 08.5
7 00 00.0 7 14 08.5
Phot. T. T Monocerotis . W Obs
9.5 cap used.
6 17 +7.2
5 57
~~Right~~ Above 0 20 Ledgered.
170.4
7 34.0 216.2 45.8x Plotted
352.1 40.2x
32.3 86.0x - 2.02x

172.0 -1.97x
214.3 42.3x
349.4 47.3x
36.7 89.6x - 1.92x
Left & Below Mean = -1.84x
77.3
127.9 50.6x
268.9 47.9x
306.8 98.5x - 1.69x

79.5 -1.71x
7 43.4 126.8 47.3x
77.4x 258.1 49.8x 5078.517x
7 38.7x 307.9 97.1x - 1.73x 5063.082
5 -141
12 246 Gr M Time +15.435x
27.012
-11.577+

Feb. 27, 1900

Same Again.

Left & Below
78.2
7 46.0 127.1 48.9
259.2 46.6
305.8 95.5 −1.77

−1.76

79.6
126.1 46.5
257.6 49.5
307.1 96.0 − 1.76

Right & Above Mean = −1.84
379.6
34.9 45.3
170.1 44.6
214.7 89.9 − 1.92

350.4 −1.91
7 57.0 35.1 44.7
103.0 170.1 45.7
7 51.5 219.8 90.4 − 1.90
5 14.1
12 37.4 Gr. M. Time
5078.526 27.012
5063.082 15.444
15.444 −11.568

Feb 27, 1900

Same Again

Right+Above

249.0

8 08.0 355^{-} 46.5^{+}

169.5^{-} 45.1^{+}

214.6 91.6^{+} — 1.87^{+}

349.7 −1.86^{-}

34.6 44.9^{+}

169.2 47.3^{+}

216.5 92.2^{+} −1.86^{+}

Left+Below Mean −1.80^{+}

256.6

307.6 51.0^{+}

78.2 47.6^{+}

125.8 98.6^{+} — 1.69

259.4 −1.73^{+}

8 16.0 305.5 46.1^{+}

24.0^{+} 78.4 49.2^{+}

8 12.0^{+} 127.6 95.3^{+} — 1.77

5 −14.1 Final Mean: −1.83^{+}

12 57.9^{+} Sr. M. Time. Pos Ang. Ver A — — = 56.3^{+}

5078.540^{+} Sprocket wheel A says = 2.5

5063.082 " " B " = 1.5

+15.458^{+}

227.012

−11.554^{+}

Feb. 27, 1900

Phot. ~~R~~ W   ο Ceti.   W Obs.

2 12 − 3.6
6 07
4 42

Right + Below
232.2 Wendell
8 34.0 324.4   92.2
51.6   93.9
145.5   186.1
173.9   + 0.11

235.3
322.6   87.3   + 0.04
54.6   91.6
146.2   178.9   − 0.02

Left + Above
146.0   Mean = − 0.02
232.6   86.6
326.2   87.2
53.4   173.8   −0.12

146.3   −0.08
8 40.0   234.5   88.2
325.2   89.4
8 37.0   54.6   177.6   −0.05
5 − 14.2
13 22.8 Gr. M. Time.
5078.558

Ledgered.

Plotted.

Feb. 27, 1900

Same Again

Left & Above

145.9

8 41.6 231.9 86.0

323.9 87.3

53.2 173.3 − 0.13

146.5 −0.10

233.1 86.6

324.8 89.3

54.1 175.9 − 0.08

Right

57.2 Mean = −0.06

143.5 89.3

235.5 87.4

322.9 176.7 − 0.06

55.8 −0.03

8 48.2 145.7 89.9

89.8 233.9 89.9

8 44.9 323.8 179.8 −0.00

5 −14.2 ~~Fi~~

13 30.7 Final Mean = −004

5078.563 Region low; observation a little difficult, but considered good.

Feb. 27, 1900.

phoFT T. Persei W Obs.

2 8 +57.2

763

8 45

Above Ledgered.

253.6 (vardio. Plotted

9 34.0 312.3 58.7

76.0 55.4

131.4 114.1 - 1.32

254.7 -1.31

309.4 54.7

73.4 60.3

133.7 115.0 - .30

Below

163.5 Mean = -1.37

221.9 58.4

345.4 ~~33~~

38.8 53.4

111.8 -1.38

166.7

9 42.8 [illegible], 218.8 52.1 -1.43

76.8 345.8 55.4

9 38.4 ~~42.0~~ 107.5 -1.48

5-14.3 41.2

14 24.1 Gr. M. Time.

5078.600

Feb 27, 1900

Same Again

Below
163.4
9478 : 222.0 58.6+
346.4 53.0+
39.4 111.6+ - 1.38+

166.0 -1.40+
219.9 53.9-
344.3 56.3+
40.6 110.2+ 1.41+

Above
252.7
311.4 58.7-
74.3 56.5+
130.8 115.2 - 1.30+

Mean -1.33+

254.1 -1.26
9 59.2 312.6 58.5-
1070 73.2 60.1
9 535+ 1~~32.9~~ 118.6 - 122+
3.3
5 -143
1439.2 × Gr M Time
5078.610+

Final Mean = -1.35+

Pos Angle Vernier A = 1479
Sprocket Wheel & System -4.5
" " B " -5.5

Feb. 27, 1900

Phot T. R Cameleop. W Obs

14 40 +84.1

8 53

Right & Above 5 47

6 13

Ledgered

Plotted

3362

1029.0 468 < var dis. 70.6

156.7 72.3

229.0 142.9 -0.72

334.7 -0.71

46.9 72.2

157.4 71.4

228.8 143.6 -0.70

Left & Below

247.3

320.0 72.7 Mean = -0.62

63.2 79.1

142.8 151.8 -0.54

243.9 -0.54

10 348 323.8 79.9

638. 65.0 72.5

10 31.9 137.5 152.4 - 0.53

5 - 14.3

15 17.6 Gr. M Time

5078.637

Feb. 27, 1900

Same Again.

L & B.
246.5
10 36.4 321.9 75.4
62.8 79.8
141.8 155.2 -0.47

-0.48
244.6
322.4 77.8
63.4 76.1
139.5 153.9 -0.50
R & A
157.0 Mean = -0.56
229.0 72.0
334.5 72.5
47.0 144.5 -0.68

-0.65
155.7
10 42.6 230.8 75.1
79.0 335.0 72.5
10 39.5 47.5 147.6 -0.62 Final Mean = -0.59
5 -14.4 Pos. Angle Ver. A = 114.0
15 25.1 Gr. M. Time. Sprocketwheel B System -1.5
5078.642 " " C " -0.8

Feb. 27, 1900

Comp Star (g) near R Urs. Min.

Phot W Obs

16 34 + 72.9
9 20

7 14
4 46

Above Comp star used = comp. star d
73.9 ∠d dis.

10 50.6 132.4 58.5 Ledgered.
203.0 59.0
312.0 117.5 +1.25

73.8 +1.26
131.5 57.7
251.8 58.7
310.5 116.4 +1.27

Below
344.0 Mean = +1.30
40.0 56.0
164.5 58.1
222.6 114.1 +1.32

345.8 +1.35
11 03.0 41.3 55.5
1~~1~~8.6 164.7 56.3
10 59.3 ~~22~~ 111.8 +1.38 5078.606
5-14.4 221.0 ~~5063.082~~
15 44.9 Gr. M. Time.

Feb. 27 1900

+ Same Again.

Below
344.4
1105.2 39.3 54.9
164.5 56.6
221.1 111.5 +1.38

+1.36
344.3
39.9 55.6
164.5 58.4
222.9 114.0 +1.33

Above
253.8 Mean = +1.34
311.2 57.4
764.4 55.5
129.9 112.9 +1.33

254.2 +1.32
11 11.0 311.8 57.6
16.2 73.8 58.2
11 08.1 132.0 115.8 +129
5-14.4
10 53.7
5078.662

Final Mean = +1.32

Pos Angle Vernier A 199.5
Sprocket Wheel A System -1.5
" " B " -0.4

March 2, 1900 (Friday)

Set A. & Dent.

Bond 39k   A & Dent.
6 50 00.0   6 45 15.5
6 51 00.0   6 46 15.5

Phot. W.   o Ceti   W Obs.

2 12 - 3.6
6 16
4 04

R & B.

236.6 <vardis   Plotted.
730.6   323.8   87.2$^+$
55.0   89.0$^+$ Ledgered.
144.0   176.2$^+$ -0.07$^+$

230.3   -0.05$^+$
324.6   89.3$^+$
56.6   89.0$^+$
145.6   178.3$^+$ -0.03$^+$

L & A.   mean = -0.06$^+$
146.7
233.1   86.4$^+$
323.0   91.8$^+$
54.8   178.2$^+$ -0.03$^+$

147.3   -0.07$^+$
738.4   232.2   84.9$^+$
9.0   324.9   89.5$^+$
734.5   54.4   174.4$^+$ 0.11$^+$
504.7
1239.2   5081.527

March 2, 1900

Same Again

L & A.
1463
7 42.0 — 231.7 — 85.4
324.9 — 87.7
52.6 — 173.1 — -0.13
Clouds.
145.2 Clouds — -0.11
233.5 — 88.3
326.3 — 87.0
53.3 — 175.3 — -0.09

R & B — Mean = -0.10
55.6
142.8 — 87.2
235.8 — 87.0
322.8 — 174.2 — -0.11

566 — -0.08
8 56.0 — 143.6 — 87.0
11 8.0 — 233.2 — 89.8
7 49.0 — 323.0 — 178.8 — -0.06 — Final Mean = -0.08
5 + 4.7
12 53.7 G.M.T.
5081.537

Region low, stormed sun clear air flowing vigorously image very unsteady obs. made through some cloud especially last group

March 2, 1900.

Phot. T. T. Monocerotis W Obs
9.5 cap used.
6 17 47.2
7 10
0 53

Cloudy Plotted.
R&A. Ledgered
348.4
8 46.6 348.8 Clouds 46.4
169.0 47.2
216.2 93.6 − 1.82

349.7 −1.82
346 44.9
169.8 48.8
218.6 93.7 − 1.82
L+B
257.3 Mean = −1.75
307.8 50.5
80.4 47.5
127.9 98.0 −1.71

257.2 −1.68
8 59.6 306.0 48.8
106.2 78.9 51.1
8 53.1 130.0 99.9 −1.66 5081.082
0 +4.7 27.012 5063.082
13 57.8 Gr. M. Time. 18.500 18.500
−8.512

March 2, 1900

Same Again.

L & B

256.8

9 05.0 306.8 50.0

80.2 47.3

127.6 97.3 - 1.72^x^

257.1 -1.67^x^

306.7 49.6

77.9 Clouds. 51.8

129.7 101.4 - 1.62^x^

R & A. Mean = 1.72^x^

169.7

217.5 47.8

348.6 46.6

35.2 94.4 - 1.80^x^

169.3 -1.78^x^

9 18.4 217.0 47.7

23.4 348.8 47.8

9 11.7 36.6 95.5 -1.77^x^ Mean = 1.74^x^

5 4.7

9 14 16.4 Gr. M. Time. Pos. Angle Vernier A 798

5041.594^x^ Sprocket Wheel A System -25

5063.082 " B " -15

+18.512^x^

27.012

-8.500^x^

March 2, 1900

Phot T. R Ursae Min. W Obs,

16 34 +7 29

8 44

7 50

4 10

R&A. Ledgered

256.7 comparison stars

10 14.0 310.8 54.1 Plotted

77.7 59.5

131.2 113.6 + 1.34

251.4 +1.25

313.5 62.1

72.5 59.4

131.9 Clouds, 121.5 + 1.16

L+B.

166.4 Mean=+1.28

222.3 Clouds 55.9

342.2 60.6

42.8 116.5 + 1.27

163.7 +1.30

10 26.0 222.9 59.2

40.0 340.0 55.2

10 20.0 40.2 114.4 + 1.32

5 47

15 24.7

5081.642

March 2, 1900

Same Again

L+B
165.4
10 30.0 222.0 56.6
345.1 57.3
42.4 1139 + 1.33

164.1 + 1.36
221.2 57.1
346.5 53.5
40.0 110.6 + 1.40
R+B
73.8 Mean = + 1.30
131.5 57.7
252.4 59.9
312.3 117.6 + 1.25

72.0 + 1.23
10 37.0 132.7 60.7
7.0 254.4 58.5
10 33.5 312.9 119.2 + 1.21
5 + 4.7
15 38.2 Gr.M.Time. Final Mean = + 1.29

5081.651

March 2, 1900

Star g comp. with star d

Phot T. W Obs

Above Ledgered.

252.6 $\angle^{d}_{f}$ dis

1041.8 314.1 61.5

74.9 58.9

133.0 120.4 + 1.18

252.6 +1.18

311.7 59.1

71.8 62.1

133.9 121.2 + 1.17

Below Mean = + 1.27

166.4

220.1 53.7

345.8 54.3

40.1 108.0 + 1.46

163.3 + 1.36

10 47.0 223.5 60.2

8.8 345.1 56.4

10 44.4 41.5 116.6 + 1.27

5 + 4.7 Pos Angle 224 Ver A.

10 49.1 Gr. M. Time. Sprocket Wheel A System 1.5

5081.659 " " B " .05

March 3, 1900 Saturday

Comp. of Chronometers

Bond 394 — A4 Dent.

6 59 00.0 — 6 55 44.0

T. Monocerotis.

Phot. T. 6 17 +7.2 W Obs

6 23

0 06

9.5 cap. used.

Right & Above

Ledgered.

Plotted.

347.2

7 22 4 — 35.1 — 47.9

170.5 — 45.7

216.2 — 93.6 — 1.82

349.9 — −1.81

33.4 — 43.5

168.4 — 51.0

219.4 — 94.5 — 1.80

Left & Below

255.5 — Mean −1.72

310.8 — 55.3

80.7 — 46.5

127.2 — 101.8 — 1.61

260.0 — −1.64

7 30.0 — 306.8 — 46.8 — 5082.520

52.4 — 77.0 — 53.0 — 5063.082

7 26.2

5 +3.3 — 130.0 — 99.8 — 1.66 — +19.438

12 29.5 G.M. Time. — 27.012

March 3, 1900

Same Again

Left & Below

255.7

7 32.8 309.8 54.1

80.9 46.1

127.0 100.2 − 1.65

258.4 −1.65

305.8 47.4

77.3 52.9

130.2 100.3 − 1.60

Right & Above Mean = −1.74

170.2

217.8 47.6

350.11 46.1

36.1 93.7 − 1.82

169.8 −1.82

7 42.8 216.9 47.1

75.6 348.7 46.6

7 37.8 35.3 93.7 − 1.82

5 + 3.3

Final Mean = −1.73

12 41.1 Gr. M. Time. Pos. Angle. Vernier A. 79.6

5082.528 Sprocket Wheel A System −2.5

5063082 " " B " −1.5

+19.446

27.012

−7.566

March 3, 1900

Selection of standards in (W Obs) region of S Orionis

5 24 − 4.8
7 20
1 5.6

~~37~~
~~52~~
~~54~~
5

(37) = 10.9
(42) = 11.1
52 = 11.5
54 = 11.6
57 = 11.7
55 = 11.7
53 = 11.5
46 = 11.3

Nos and mags given above are those on Hagens chart.

Selection of standards in region of U Puppis
W. Obs

7 56
8 27
0 31

~~7 54~~
~~8 32~~
~~0 24~~
11 36

−13.0

March 3, 1900

U Puppis (continued)

~~{61} = 11.3~~ 61 = 11.3

(51) = 11.0

65 = 11.5

68 = 11.3

star preceding variable 4 secs & 0.5' north of it. = No 81 mag 12.0

69 = 11.6

star following variable 5 secs & 5'.2 north of it. = 74 mag 11.9

Phot T. R Ursae Min.

16 34 +7249 W Obs.

9 18

7 16

4 4.4

see next page for measurements

March 3, 1900

R Ursae Minoris.

Left & Below — Ledgered / Plotted.

1667 < comp star dis.
~~10~~ ~~2[illegible].0~~ 219.3 52.6
10 23.0 343.9 58.6
42.5 111.2 + 1.39
~~16~~

163.0 +1.32
223.8 60.8
344.8 56.4
41.2 117.2 + 1.23

Right & Above Mean = +1.25

73.5
131.2 57.7
252.9 61.1
314.0 118.8 + 1.22

71.6 +1.18
10 29.4 133.0 61.4
12.4 253.5 60.6
10 26.2 314.1 122.0 + 1.15
5 +3.3
15 29.5 Gr. M. Time.
5082.66

March 3, 1900

Same Again.

Right & Above

73.1
10 31.6 130.7 57.6
254.5 58.5
313.0 116.1 +1.28

70.5 +1.28
130.8 60.3
254.8 55.9
310.7 116.2 +1.28

Left & Below mean +1.30

345.7
39.4 53.7
164.0 58.9
222.9 112.6 +1.36

342.6 +1.32
1038.0 42.3 59.7
9.6 165.7 56.0
10 34.8 2217 115.7 + ~~1.2~~ 1.29
5 +3.3
15 38.1
5082.651

Pos Angle Vernier 311.0
Sprocket Wheel C = 4.7
B = 55

Posted to here

March 3, 1900

Phot T. R Camelop. W Ob.

1.4 410 +84.1
9 53
4 47
7 13

Plotted.
Ledgered

L+B.
243.8 ∠ var dis. (comp star = star c
10 57.6 322.8 79.0
63.1 80.8
143.9 159.8 − 038

242.0 ~~788~~
323.4 81.4 −0.38
62.7 78.7
141.4 160.1 − 0 38
R&A.
155.8 mean = − 046
228.4 72.6
334.0 76.9
50.9 149.5 − 0.58

154.0 − 054
10 56.0 232.5 78.5
7.6 334.3 75.7
10 53.8 50.0 154.2 − 049
5 +3.3 Pos. Ang = 1136
15 57.1 Gr M Time S pr Wheel B Sys − 15
5082.665 " C Sys − 08

March 5, 1900 (Monday)

Bond 39	At Dent
6 51 00.0	6 50 31.0
6 52 00.0	6 51 31.0

Phot T. T Monocerotis W Obs

9.5 cap used.

6 17 +7.2
6 30
0 13

Ledgered
Plotted

Right & Above

169.6 < var dis

720.6 218.8 49.2

351.4 42.0

33.4 91.2 − 1.88

−1.86

171.0

214.6 43.6

347.1 48.9

36.0 92.6 − 1.85

Left & Below

76.5

128.9 52.4

259.4 47.8

307.2 100.2 − 1.65

Mean = −1.78

−1.69

81.1

7 35.2 126.4 45.3 5084522

7 30.4 255.2 57.9 5063082

5 40.5 307.1 97.2 − 1.73 +21.440

27.012

12 30.9 Gr. m. Time [illegible]572

March 5, 1900

Same Again.

Left & Below

77.8

7 38.6 128.8 51.0

258.8 47.0

305.8 98.0 # -171

80.6 -1.68

129.0 48.4

256.9 51.9

308.8 100.3 - 1.65

Right & Ab

349.8 Mean = -1.78

34.5 44.7

169.7 47.3

217.0 92.0 - 1.86

349.3 -1.87

7 49.0 34.6 45.3

87.6 169.1 45.8

7 43.8 214.9 ~~91.6~~ - 1.88

5+0.5 91.1

12 44.3 Gr. M. Time. Final Mean = -1.78

5084.531 Sprocket Wheel A - 2.3

5063.082 B - 1.5

+21.449

27.012 Pos. Angle Vernier 179.6

5.563

March 5, 1900

Phot W. T. Cassiopeiae W Ok

0 17 +55.2 0 19 +55.9

7 37 7 27

7 20 7 1.2

0 19 +55.9

7 45

7 26 comp star = comp star e

L & A

~~306.8~~ < ~~comp~~ var star

~~8 47.2~~ ~~64.2~~

63.1 < comp star dis.

126.1 < 63.0 Ledgered.

8 50.0 240.7 clouds 61.7

302.4 124.7 + 1.09

63.7 +1.08

125.2 61.5

239.3 Clouds 64.1

303.4 125.6 + 1.07

R + B

334.1 clouds Mean = + 1.06

34.7 60.6

151.2 65.8

217.0 126.4 + 1.05

331.9

9 01.0 37.1 65.2 +1.03 5084. 581

8 55.5 155.2 63.3

5 +0.5 218.5 128.5 + 1.01

13 56.0 Gr. M. Time

March 5, 1900
T Cassiopeiae
Region rather low, sky hazy
stars dim, impossible to take
a second group

Above group one half weight
PhOT. S X Monocerotis W6b.
9.5 inch eyepiece used
6 33 +10.0
8 33 Ledger-ed.
L & A 2 00
83.5 ∠ var dis
9 38.0 121.9 36.4$^+$ comp star = DM 9° 1344 (8.1)
265.4 34.2$^+$
299.6 70.6$^+$ - 2.49$^+$
85.0
119.7 34.7$^+$ ~~Mean~~ -2.49$^+$
265.2 35.9$^+$
301.1 70.6$^+$ -2.49$^+$
R + B
355.6 Mean -2.50$^+$
29.4 33.8$^+$
176.1 35.4$^+$
211.5 69.2$^+$ -2.53$^+$
9 45.0 354.5
83.0 29.4 34.9$^+$ -2.50$^+$
9 41.5 174.4 36.3$^+$
5 +0.5 210.9 71.2$^+$ - 2.47$^+$
14 42.0 Gr. m. Time.
5084.612$^+$

March 5, 1900

Same Again

Clouds

R + B

355.0

9 47.0 29.3 34.3

177.0 34.7

211.7 69.0 — 2.54

354.6 — 2.50

30.0 35.4

175.1 36.0

211.1 71.4 — 2.46

L + above

264.7 mean = — 2.48

300.4 35.7

85.5 35.7

121.2 71.4 — 2.46

264.9 — 2.46

9 52.6 300.2 35.3

99.6 84.4 35.9

9 49.8 120.3 71.2 — 2.47 Final mean = — 2.49

5 40.5

Poz. Angle Ver. A 168.2

14 50.3 Sprocket wheel A System 6.2

5084.61A " " B " — 5.5

C " — 4.8

March 7, 1900

X Herculis W Obs

15 58 +47.6
9 18

6 40
5 20

the star 47°2292 (8.1) is probably star wanted for a comp. star.

10 30 Stopped by clouds. impossible to do anything further

Chron Frod 345 ran down. so I set it and obtained the following comp. (L.C.)

Frodsh 1327	Frodsh 3451
20 18 01.0	20 17 55.5
20 19 01.0	20 18 55.5

March 7, 1900 (Wednesday)

Bond 394
6 43 00
6 44 00

A & Dent.
6 45 19.8
6 46 19.8

T. Monocerotis.

Phot T. 6 17 +7.2 WGk.
6 17
0 00

Plotted

Rt & Above 9.5 cap used, Ledgered

173.5
7 14.0 214.6 41.1
355.3 36.7
32.0 77.8 − 2.26

173.7 38.4 −2.22
212.1 42.5
351.1 80.9 − 2.17
33.6

Left & Below

Mean = − 2.13

79.4
124.2 44.8
261.7 40.7
302.4 85.5 − 2.04

83.0 −2.04

7 22.4 122.5 39.5 5086.511
7 18.2 259.1 45.7 5063.082
5 − 2.3 304.8 85.2 − 2.05 + 23.429
12 15.9 Mean Time − 27.012
− 3.583

March 7, 1900

Same Again

Left & Below

81.1

7 25.6 124.9 43.8

261.2 41.8

303.0 - 85.6 = 2.03

82.4 -2.02

124.5 42.1

259.6 44.3

303.9 86.4 - 2.01

Right & Above Mean = - 2.08

352.6

32.9 40.3

170.4 42.5

212.9 82.8 - 2.11

352.0 - 2.13

7 35.4 32.7 40.5

61.0 172.0 41.0

7 30.5 213.0 81.5 - 2.13

5 - 23

12 28.2 S. M Time

5086.579 27.012

5063.082 23.437

+23.437 -3.575

March 7, 1900

Same Again

Rt. & Above

351.8
7 43.2 32.0 40.2*
172.7 41.0*
213.7 81.2* - 2.16*

352.0 -2.19*
32.1 40.1*
173.4 39.1*
212.5 79.2* - 2.22

Left & Below.

260.2 mean = - 2.10
304.3 44.1*
81.9 42.0*
123.9 86.1* - 2.02*

261.9 -2.02*
7 51.6 303.4 41.5*
94.8 81.1 44.2*
7 47.4 125.3 85.7* - 2.03
5 - 23
12 45.4 G. m. Time Position Angle Vernier A. = 79.6
5086.531 Sprocket Wheel A System - 25
5063.082 " " B " - 1.5
+23.449
27.012
-3.563

March 7, 1900

Same Again

~~Left~~ & Below IV

261.0
7 55.0 303.3 42.3
81.8 41.8
123.6 84.1 — 2.08

260.7 -2.04
304.4 43.7
82.0 42.8
124.8 86.5 — 2.01

Right & Above ~~Means~~ — 2.09
172.7
214.5 41.8
351.5 40.5
32.0 82.3 — 2.13

172.4 -2.14
8 03.0 213.8 41.4
352.0 40.0
7 59.0 32.0 81.4 — 2.15

5 + 2.3
12 56.7 Gr. m. time.
5086.540
5063.082
+23.458
27.012
-3.554

See previous page for pos Angle and sprocket wheel readings.

March 7, 1900.

Troubled somewhat by moonlight in measurements of T. Monocerotis.

Phot W. T. Cassiopeiae W Obs

0 19 50.9
7 32

Right + Below 7 1 3

153.6 comp star dis.

8 34.6 214.6 61.0* Comp star = Comp star e

334.7 62.2*

36.9 123.2* + 1.12* Ledgerwood.

154.6 62.6* +1.12*

217.2 60.1*

334.9 122.7* + 1.13*

35.0

Left + Above

64.1 mean = + 1.11

124.2 60.6*

241.6 64.8*

306.4 124.9* + 1.09*

63.4 + 1.10*

8 42.6 127.0 63.6*

244.6 60.4*

8 38.6 305.0 124.0* + 1.11*

5 - 24'

13 35.2' Gr M Time

5086.566*

March 7, 1900

Same Again.

Left Above

647

8 45.4 124.7 60.0

242.6 63.8

306.4 123.8 + 1.11

63.9 + 1.15

124.4 60.5

244.5 59.6

304.1 120.1 + 1.19.

Right + Below Mean = + 1.12

336.0

34.7 58.7

152.1 64.2

216.3 122.9 + 1.13

333.0 + 1.08

8 53.2 37.5 64.5

98.6 154.3 62.5

8 49.3 216.8 127.0 + 1.04

5 - 3.2

13 46.1 Gr M Time

5086.574

Cap 90 inches accidently used on γ Cassiopeiae.

March 7, 1900

Phot. S Monocerotis W Obs.

6 33 +10:0
8 18
1 45

7 ~~9.5~~ inch cap used on S Monocerotis

Left & Above — Ledgered

85.0 var dis.

9 16.0 . 120.5 — 35.5
265.8 — 34.3
299.1 — 69.8 - 2.51

84.8 — -2.51
171.4 — 36.6
265.6 — 33.4
299.0 — 70.0 - 2.51

Right & Below

355.4 — Mean = -2.60
29.3 — 33.9
177.0 — 32.3
209.3 — 66.2+ 2.64

357.2 — -2.68
9 24.0 — 27.5 — 30.3+
9 20.0+ — 176.0 — 33.5+
5-2.4 — 209.5 — 63.8+ - 2.72
14 17.6+ G.M. Time
5086.596+

~~March 6~~ 7, 1900

Same Again

Right & Below

305.8

9 27.0 28.1 32.3

175.4 33.8

209.2 66.1 - 2.64

356.5 -2.68

28.3 31.8

176.1 32.2

208.3 64.0 - 2.71

Left & Above Mean = -2.58

265.2

299.6 34.4

85.9 36.2

122.1 70.6 - 2.49

264.6 -2.48

9 37.0 299.7 35.1

85.5 35.9

9 32.0 121.4 71.0 - 2.47

5 -2.4

14 29.6 Gr. M. time

5086.604

Final Mean = -2.59

Pos. Angle Vernier A. 168.2

[illegible] a System -6.2

B " -3.5

C " -4.8

March 7, 1900.

X Herculis. W Obs.

15 58 +47.6

9 02

6 56

5 .04

T. Monocerotis Resumed.

Phot T. 9 5 cap used W Obs.

6 17 +7.2

9 27

Right & Above 3 10

Plotted

Ledgered

172.3

10 10.0 212.3 40.0

353.0 38.8

318 78.8 − 2.23

173.7 −2.22

212.1 38.4

351.4 40.9

323 79.3 − 2.22

Left & Below.

81.4 Mean = −2.15

123.2 41.8

264.0 42.0

303.0 83.8 − 2.98

81.6 −2.08

10 24.0 122.5 40.9 27.012 5086.637

10 19.5 262.0 42.8 23.555 5063.082

5 −2.5 303.8 83.7 − −2.09 −3.457 +23.555

15

March 7, 1900

Same again

VI

Left + Below

81.6
10 27.0 124.4 42.8
262.8 41.6
304.4 84.4 — 2.07

82.2 — 2.09
123.3 41.1
263.0 41.9
304.9 83.0 — 2.11

Right + Above mean = — 2.16

352.5
32.7 40.2
173.6 38.3
211.9 78.5 — 2.24

353.0 — 2.24
10 36.4 32.1 39.1
63.4 172.9 39.5
10 31.7 212.4 78.6 — 2.24
5 — 2.5
15 29.2 Gr. M. Time

5086.640 27.012
5063.082 23.563
+ 23.563 — 3.449

March 7, 1900

VIII

Rt. & Above

353.1
1042.0 32.5 40.4
172.3 39.9
212.2 80.3 -2.19

-2.22

~~35~~
353.0
32.8 39.8
173.6 39.0
212.6 78.1 - 2.26

~~Left~~ & Below mean = -2.1~~7~~6

263.0
303.2 40.2
81.3 42.0
123.3 82.2 - 2.13

261.4 -2.12
10 51.0 303.3 41.9
81.6 41.9
1046.5 123.~~9~~5 83.8 - 2.09
5 25 Pos. Angle vernier A 259.6
1544.0 Sprocket Wheel A System - 2.5
" " B " - 1.5

6086.656 27.012
8063.082 23574
23.574 -3.438

March 8, 1900 (Thursday)

Bond 394 a & Dust
6 5 0 00.0 6 5 3 49 0
6 5 1 000 6 5 4 49 0
Phot T. T. monocerotis WOk.
95 cap used.
6 17 +7.2
6 27
Rt & Above 0 10

175.7 Ledgered.
7 22.0 211.6 35.9+
355.9 32.2 Plotted.
28.1 68.1 − 2.57+

176.3 −2.58+
209.2 32.9+
355.2 34.6+
29.8 67.5 − 2.59+

~~Left~~ & Below

85.3 Mean − 2.48
121.7 36.4+
264.0 37.3+
301.3 73.7 — 2.39+

85.0 − 2 38+
7 32.0 121.3 36.3 5087.516+
7 27.0+ 263.1 37.6+ 5063.082
5 − 3.8+ 300.7 73.9 − 2.38+ + 24 434+
12 23.2+ Gr. M. Time 27.012+

March 8, 1900

Same Again

Left & Below

846
7 34.4 121.0 36.4+
263.6 36.7+
300.3 73.1+ — 2.41+

85.5
121.2 35.7+ 2.40+
263.2 37.8+
301.0 73.0+ — 2.39+

Right & Above Mean = -2.48+

355.8
28.3 32.5+
174.8 30.9+
210.7 68.4+ — 2.56+

2.56+

355.7
7 43.0 28.3 32.6+
77.4 175.3 35.5+
7 38.7+ 210.8 68.1+ — 2.57+
5 -3.8

12 34.9+ Gr M Time
5087.524+
5063.082

+24.442+
27.012

-2.570+

March 8, 1900

Same Again III

Right + Above

355.0

7 53.0 29.8 34.8

176.0 34.4

210.4 69.2 - 2.53

355.4 -2.56

28.9 33.5

175.9 34.3

210.2 67.8 - 2.58

Left + Below Mean = -2.48

263.8

301.4 37.6

84.8 35.7

120.5 73.3 - 2.40

265.3 2.40

8 02.0 301.0 35.7

115.0 83.4 37.8

7 57.5 121.2 73.5 - 2.39

5 - 3.8

Final Mean = 2.48

12 53.7 Gr. M. Time Position Angle Vernier A = 259.6

5087.537 Sprocket Wheel A System - 2.5

5063.082 " " B " - 1.5

+24455

27.012

-2.557

March 8, 1900

Phot. T. δ Monocerotis W Obs.

6 33 +10.0
7 36
1 03
7 inch cap

Left & Above

Ledgered

85.5
8 27.0 121.6 36.1^{x}
265.2 34.3^{x}
299.5 70.4^{x} -2.49^{+}

86.0 -2.49^{+}
121.2 35.2^{x}
264.2 35.4^{x}
299.6 70.6^{x} -2.49^{+}

Right & Below

355.4 Mean $= -2.50^{+}$
30.0 34.6
175.0 36.2
211.2 70.8 -2.48^{+}

354.9 -2.52^{+}
8 34.0 29.5 34.6
8 61.0 175.8 33.8
8 30.5 209.6 68.4 -2.56^{+}
5 - 3.9
1326.6 Gr. M. Time

5087.560
~~5063082~~
~~24478~~

~~27.012~~
~~24.478~~
2.534

March 8, 1900

Same Again.

Right & Below
355.6

8 36.0 30.7 35.1x
175.2 34.8x
210.0 69.9x - 2.51x

355.2 - 2.51x
30.6 35.4x
175.3 34.5x
209.8 69.9x - 2.51x

Left & ~~Below~~ above Mean = -2.49
265.7
301.1 35.4x
85.9 35.7x
121.6 71.1x - 2.47x

264.4 - 2.47
8 47.0 299.7 35.3x
830 85.2 35.7x
8 41.5x 120.9 71.0x - 2.47x
5 - 3.9
13 37.6x Green. time

Final Mean = -2.50x

Position Angle Ver A. 168.2
5087.568x

Sprocket Wheel A System - 6.2
" B " - 5.5
" C " - 4.7

March 8, 1900

Phot T. T. Persei W Obs.

2 8 +57.2
8 12
6 4

Ledgered.
Plotted.

Above
253.4 var dis
9 05.4 311.0 57.6
72.9 59.0
131.9 116.6 −1.27

253.4 −1.28
311.0 57.6
72.9 58.0
130.9 115.6 −1.29

Below Mean = −1.40
166.6
219.2 52.6
346.4 57.0
37.4 103.6 −1.57

166.7 −1.52
9 13.2 219.6 52.9
18.6 345.4 54.5
9 09.3 39.9 107.4 −1.48
5 −3.9
1405.4 G.M. Time. 5087.587

March 8, 1900

Same Again.

Below
166.6
9 15.4 219.5 52.9x
345.3 55.4x
40.7 108.3x - 146x

166.4 -1.46x
270.0 53.6x
345.4 54.4x
39.8 108.0x - 1.46x

Above Mean = -1.37x
72.8
131.0 58.2x
253.4 57.9x
311.3 116.1x -1.28x

73.8 -1.28x
9 22.8 137.9 58.1x
38.2 253.5 57.4x
9 19.1x 310.9 115.5x -1.29x
5 -3.9 Final Mean = -1.38x
14 15.2x Gr. M. Time Pos Angle Vernier A. 149.9
5 08 7.594x Sprocket wheel B System -.35
" " C " -.44

March 8, 1900

Obs slightly difficult on account of rather bright moonlight somewhat low alt and faintness of comp star

Phot T. ~~X~~ Herculis W Obs.

15 58 +47.6
8 .50
7 08
4 52

7 inch cap used.

Rt & Above

349.0 < var. dis. comp Star = DM+47°2292 (8.1)

9 40.4 35.9 46.9x
169.2 48.7x Ledgered.
205.9 95.6x - 1.77✓

347.1 1.77✓
37.4 50.3x
171.1 44.7x
215.8 95.0 - 1.78x

Left & Below mean = -1.74

259.2
307.9 48.7x
79.5 48.7x
128.2 97.4x - 1.72x

258.2 -1.72x
9 50.4 306.3 48.1x
78.4 49.8✓ 1.71+
9 45.4 128.2 97.9✓
5 -3.9
14 41.5 5087612x

March 8, 1900

~~Rt. & Above~~
~~349.0~~ war dis
~~9 40.4~~

Left & Below
258.6
9 52.2 307.5 48.9*
78.4 48.0*
126.4 96.9* − 1.73*

258.0 −1.71*
307.9 49.9*
78.2 48.9*
127.1 98.8* − 1.69*

Right & Above
170.4 Mean = −1.78*
215.6 45.2*
349.1 47.5*
36.6 92.7* 1.84*

9 59.0 170.2 −1.86*
215.8 45.6*
9 11.2 350.0 45.6*
5 55.6
5 −3.9 35.6 91.2 − 1.88* Final Mean = −1.76
14 51.7 Gr. M. Time Pos. Angle 171.7 Ver A
−5087.619 Sprocket Wheel a System −7.5
" " B " −6.4

March 8, 1906

T. Monocerotis Resumed

Phot. T. 6 17 + 7.2 W Obs.
9 27
3 10

9.5 cap. used.

Right & Above

IV

175.6
10/34 210.2 34.6*
355.2 33.6*
28.8 68.2* - 2.57*

Ledgered.

Plotted.

175.9 -2.60*
208.9 33.0*
355.4 33.7*
29.1 66.7* - 2.62*

Left & Below

Mean = -2.55*

85.5
120.0 34.5*
265.6 35.5*
301.7 70.0* - 2.51*

-2.50*

85.6 35.2*
10 21.0 120.8 35.4*
34.4* 265.5 70.6* - 2.49*
10 17.2* 300.9
5 -4 0
15 13.2 Gr. M. time

5087.634 27.012
5063.082 24.552
+24.552 - 2.460

March 8, 1900

Same Again

Left & Below

~~VI~~

V

848

10 23.0 120.7 35.9ˣ

265.2 35.2ˣ

300.4 71.1 - 2.47ˣ

80.7 -2.48ˣ

120.4 34.7ˣ

264.7 36.2ˣ

300.9 79.9ˣ - 2.48

Right & Above

Mean = -2.55ˣ

355.6

28.2 32.6ˣ

176.1 33.7ˣ

209.8 66.3ˣ - 2.63ˣ

355.4 -2.62ˣ

10 29.0 28.6 33.2ˣ

176.1 33.6ˣ

209.7 66.8 - 2.61ˣ

10 26.0ˣ

5 - 40

15 22.0ˣ Gr M time

5087.640ˣ

5063.082

+24.558ˣ

27.012

-2.454ˣ

March 8, 1900

Same Again

Right & Above VI

355.2

10 34.0 31.0 35.8 ×

175.8 33.9 ×

209.7 69.7 × −2.52 ×

355.6 −2.56 ✓

29.4 33.8 ×

176.2 33.7 ✓

209.9 67.5 × −2.59 ×

Left & Below

265.6 Mean = −2.54 ✓

300.6 35.0 ×

85.6 34.0 ✓

119.6 69.0 × −2.54 ×

265.6 −2.52 ✓

10 41.0 300.6 35.0 ×

750 84.5 35.5 × ✓

10 38.5 × ~~120.6~~ 70.5 × −2.49 ✓

5 −4.0 120.0 Final Mean = −2.55 ×

15 34.5 × Gr. M. time Pos Angle Vernier A = 259.8

5087.649 × Sprocket wheel A System −2.5

5063.082 " " B " −1.5

+24.567 ×

27.012

−2.445 ×

March 9, 1900 (Friday)

Comp. of Chronometers.

Bond 39K   H. H. Dent

6 45 00.0   6 50 15.0

6 46 00.0 T. Inconvenient 6 51 15.0

9.5 Cap used.

6 17 +7 2

6 42

0 25

Clouds.

Right ~~&~~ Above.   Ledgered.

178.6 Clouds.   Plotted.

305 x

7 26.0 209.1

358.0   29.2 x

27.2   59.7 x −2.87 *

Clouds

178.1   −2.86 *

207.6   29.5 x

356.6   30.4 x

27.0   59.9 + −2.86 *

Left & Below   Mean −2.79 *

266.4 Clouds

298.9   32.0 x

88.8   31.0 x

119.8   63.3 −2.74 +

265.4   −2.72

7 44.0 x 298.2   32.8   5088.521 *

7 35.0 + 87.5   31.3   5063.082

5 −5.2 + 118.8   64.1 −2.71 +   +25.439 *

12 29.8 + Gr. M. Time   27.012

−1.573 *

March 9, 1900

Same Again

Left & Below

266.8

~~700.6~~ 805.0 → 298.9 clouds   32.1×

87.5   31.9×

119.4   64.0× − 2.71×

266.8

298.8   32.0×

87.4   32.3×

119.7   64.3 − 2.70×

− 2.70×

Right & Above

177.8

Reject! new start; impossible of time.

Posted to
this date

March 9, 1900

Same Again

Clouds
Right & Above
~~357.3~~
9 11.8 ~~27.0 29.7~~
~~177.1 30.3~~
~~207.4 60.0 286~~
Clouds
~~357.3~~
9 20.2 ~~26.2 28.9~~
~~177.8~~
~~21 -2.~~

Reject, impossible to
~~Left + Below~~ finish group.

The full group on this star
was taken through some
southern scudd; but great
10 00 care was exercised and settings
were made through thin places
and gaps; so that group is
considered group.

March 10, 1900 (Saturday)

Bond 394 H & Dent
6 41 0.0 6 47 42.0
6 42 00.0 6 48 42.0

9 5 cap used on
W Obs. T. Monocerotis. Phot T.

6 17 +7.2
6 27
0 10

~~L~~ Right & Above · Ledgered.
178.6 Plotted.
7 15.0 209.5 30.9ˣ
359.7 26.6ˣ
26.3 57.5ˣ -2.96

179.9 -2.95
206.4 26.5ˣ
356.4 31.4ˣ
27.8 57.9 - 2.94

Left & Below Mean = -2.88ˣ
86.9
118.9 32.0ˣ
267.6 29.8ˣ
297.4 61.8ˣ -2.79

88.5 -2.81
7 25.0 117.2 28.7ˣ 5089.509ˣ
7 20.0 266.1 32.2ˣ 5063.082
5 - 6.7 298.3 60.9ˣ -2.83 +26.427ˣ
12 13.3ˣ G. M. Time 27.012
-0.585

March 10, 1900

Same Again.

Left & Below

87.2
7 27.4 119.6 32.4
268.0 28.4
296.4 60.8 − 2.83

88.7 −2.83
117.6 28.9
266.7 31.9
298.6 60.8 −2.83

Right & Above mean = −2.89

357.6
27.3 29.7
178.8 27.5
206.3 57.2 − 2.97

358.9 −2.95
7 38.0 26.3 27.4
6 54 177.5 30.7
7 32.7 208.2 58.1 − 2.93
5 −6.7

12 26.0 G.M. Time.

5089.518
5063.082
+26.436
27.012
−0.576

March 10, 1900
Same Again.
III

Right & Above
358.0
7 46.0 26.0 28.0
178.8 27.5
206.3 55.5 - ~~3~~.04

359.3 -~~3~~.01
25.7 26.4
178.2 30.6
208.8 57.0 -2.98

Left Below Mean = -2.90
266.9
299.0 32.1
88.4 29.4
117.8 61.5 - 2.80

267.8 -2.80
7 06.0 298.4 30.6
7 51.0 87.1 31.0
5 -6.7 118.4 61.6 -2.80
12 46.3 Gr. M. Time Final Mean = 289
5089.531 Position Angle Vernier A = 260.4
5063.082 Sprocket wheel A System -2.5
+26.449 " " B " -1.5
27.012
= 0.563

March 10, 1900

Phot T. S Monocerotis W Ok.

7 inch cap used.

		6 33 + 10.0	
		7 28	
	Lt Above	0 55	
	85.2		Ledgered
8 09.4	119.9	34.7$^{\times}$	
	263.5	36.7$^{\times}$	
	300.2	71.4$^{\times}$	−2.46$^{\times}$
	84.1		−2.43$^{\times}$
	122.5	38.4$^{\times}$	
	264.5	34.8$^{\times}$	
	299.3	73.2$^{\times}$	−2.40$^{\times}$
	R. & Below		mean −2.52
	355.0		
	29.7	34.7$^{\times}$	
	176.7	31.4$^{\times}$	
	208.1	66.1$^{\times}$	−2.60$^{\times}$
	356.4		−2.61^{+}
8 18.6	29.4	33.0$^{\times}$	
28.0	175.1	34.8	
8 14.0$^{\times}$	209.9	67.8	−2.58^{+}
5 − 6.7			
13 07.3^{+}	Gr M Time		
5089.547^{+}			

March 19, 1900

Same Again

R & Below

354.4

8 22.5 29.6 35.2+

177.7 31.4+

209.1 66.6+ -2.62+

356.4 -2.62+

28.7 32.3+

175.6 34.3+

209.9 66.6+ -2.62+

~~R~~ Left & Above Mean = -2.57+

265.7

299.4 33.7+

86.0 35.3+

121.3 69.0+ -2.54+

265.1 -2.52+

8 30.5 300.0 34.9+

8 26.5+ 85.2 35.6+

5 -6.7 120.8 70.5+ -2.49+

13 19.8+ Gr M Time

5 089.556+

March 10, 1900

Same Again

III

L♁ Above
265.3
8 36.0 299.3 34.0
85.8 35.5
121.3 69.5 -2.52

265.8 -2.52
300.0 34.2
85.8 35.1
120.9 69.3 -2.58

R♁ Below Mean = -2.56
176.1
210.3 34.2
356.7 32.8
29.5 67.0 -2.61

175.8 -2.59
8 43.0 209.5 33.7
8 39.5 355.1 34.5
5 -6.7 29.6 68.2 -2.57
13 32.8 G.M. Time Final Mean = 2.55
5089.565 Position Angle Vernier A = 349.3
Sprocket wheel A System = ~~344.0~~ -6.2
" " B " = -5.5
" " C " = -4.8

March 10, 1900

Phot T. ~~R Ursae Minoris~~. W Ob.

R Camelopardi.

14 40 +84.1
8 30
6 10.
R + Above 5 50

329.4 ∠ var. dia

9 17.6 55.4 86.0+
150.5 81.9+
235.4 167.9+ − 0.23+

Plotted.

Ledgered.

331.0 −0.24+
52.8 81.8+
151.2 85.3+
236.5 167.1+ − 0.24+

L + Below Mean − −0.20+

~~328.4~~ wrong image dis 239.8
~~59.2~~ ~~90.8~~ 327.4 87.6+
~~144.7~~ ~~95.5~~ 60.4 82.6+
~~240.2~~ ~~186.3~~ 143.0 170.2+ − 0.19+
~~1?37~~

240.0 −0.16+
~~9 23.8~~ ~~323.7~~ ~~83.7~~ 240.4
9 28.0 ~~149.8~~ 322.6 82.2+
45.6+ ~~263.~~ 57.8 90.4+
9 22.8+ 148.2 172.6+ − 0.14+
5 −6.8
14 16.0+ Gr. M. Time.
5089.594+

March 10, 1900

Same Again

L + Below

239.0
9 29.0 328.3 89.3*
62.4 80.0*
142.4 169.3* − 0.20*

243.3 − 0.18*
323.4 80.1*
57.2 91.8*
149.0 171.9* − 0.15*

R + Above Mean = − 0.21*

149.1
235.3 86.2*
332.2 80.6*
52.8 166.8* − 0.25*

151.8 − 0.24*
9 35.0 332.0 80.2*
640 330.4 80.4*
9 32.0 50.8 165.6* − 0.26* Final = − 0.20
5 = 6.8
14 25 2 Gr M Time. Position Angle Vernier a. 115.7
5089.601* Sprocket Wheel B System −1.5
" C " −08

March 10, 1900

Phot T. X Herculis W Oks

15 38 +47.6
9 02

6 56
5 0x

R above 9 1/2 cap used.

170.5 Ledgered

9 47.0 217.2 < varclis.
349.0 46.7*
35.8 46.8*
93.5* - 1.82*

169.6 -1.84*
21.4.3 44.7*
348.4 47.6*
36.0 92.3* - 1.85*

L Below

78.6 Mean = -1.76*
128.2 49.6*
256.6 51.1*
307.7 100.7* -1.64*

78.3 -1.69*
9 52.6 125.3 47.0*
99.6 258.1 49.7*
9 49.8 3078 96.7* -174*
5 - 6.8

14 43.0* G M Time

5089613*

March 10, 1900

Same Again

~~L & Above~~ Below

770
9 55.0 128.9 57.9
258.4 50.3
308.7 108.2 — 1.60

79.8 -1.64
126.7 46.9
255.6 57.7
307.3 98.6 — 1.69

Right + Above Mean = -1.75
349.0
36.1 47.1
170.6 43.5
214.1 90.6 — 1.90

351.1 -1.86
10 01.0 35.5 44.4
1160 108.3 49.2
9 58.0
5 -6.8 217.5 93.6 — 1.82 Final Mean = -1.76
14 51:29 s. m. time Position Angle Ver. a. 172.1
Sprocket wheel A System -7.5
5089.619 " " B " -6.5

March 10, 1900

Phot. T. Monocerotis W Ok.

95 cap used

6 17 × 7.2

9 33

3 14

IV

Rt above

Plotted.

Ledgered.

179.8

10 19.0 207.4 27.6

307.4 28.0

26.4 55.6 − 3.03

178.8 − 2.99

207.1 28.3

357.4 29.4

26.8 57.7 − 2.95

Lt Below

mean = 2.85

86.5

120.7 34.2

267.3 31.3

298.6 65.5 − 2.66

87.0 − 2.71

10 27.0 178.2 31.2

10 23.0 267.5 31.1

5 −6.8 298.9 62.6 − 2.76

105 16.2 Gr. M. time

5089.636

0063.082

+26.554

27.012

March 10, 1900

Same Again V

L & Below

86.2
10 30.0 119.4 33.2
269.2 28.8
298.0 62.0 — 2.79

87.2 -2.80
117.2 30.0
267.4 31.2
298.6 61.2 — 281

R & above Mean = -2.88

358.5
26.9 28.4
178.4 28.6
207.0 57.0 -298

358.5 -297
10.36.0 27.1 28.8
10 33.0 179.2 28.8
5 -6.8 208.0 57.4 -296
15 26.2 Gr M Time
5089.643
5063.082
+26.561
-27.012
-0.451

March 10, 1900

Same

L & Below

358.8

10 40.2 26.0 27.2

179.2 28.1

207.3 55.3 −3.01

358.6 −3.03

26.4 27.8

179.2 28.1

207.3 55.9 −302

R & Above mean = −292

268.3

299.0 30.7

88.0 30.2

118.2 60.9 −2.83

267.8 282

10 50.0 298.4 30.6

10 45.0 86.8 31.0

5−6.8 117.8 61.6 −2.80

15 38.2 Gr M Time

Final mean = −2.88

5089.651

Position Angle Ver. a = 260.4

5063.082

Sprocket wheel a System = −25

+26.569

" " β " = −15

27.012

−0.443

March 10, 1900

Observations on the three last preceeding groups on T. Monocerotis a little difficult on account to bright moon-light and somewhat low altitude moon also not far distant.

Very much care exercised how-
11 00 ever in settings, and result
considered good.

March 11, 1900 (Sunday)

Bond 376 — a [illegible]

6 45 00.0 — 6 53 18.0

6 46 00.0 — 6 5~~4~~ 13.0

Phot. T. T. Monocerotis W Obs.

9.5 cap used

6 17 +7.2

6 30

0 1 3

Plotted.

Ledgered.

Right & above

177.5

7 17.0 208.9 31.4

358.4 28.3

26.6 59.7 −2.87

179.2 −2.86

207.6 28.4

356.5 31.9

28.4 60.3 −2.85

Left & Below mean = −2.81

86.6

119.7 33.1

267.7 29.4

297.1 62.5 −2.77

87.9 −2.76

7 29.0 118.0 30.1 5090.510

4 23.0 266.0 33.0 5090.094

5 −8.2 299.0 63.1 −2.74 +0.416

12 14.8 Gr. M. Time. 27.012

−26.596

Posted to here

March 11, 1900
Same Again.

Left & Below
868
7 340 118.6 31.8
267.5 30.5
298.0 62.3 - 2.77

887 -2.80
117.6 28.9
266.4 32.0
298.4 60.9 - 2.83

Right & Above Mean = -2.82
356.5
27.6 31.1
178.0 29.4
207.4 60.0 - 2.84

358.1 -2.84
7 44.0 27.4 29.3
7 39.0 176.8 31.6 Final Mean = -2.82
5 -8.2 208.4 60.9 -2.83
12 30.8 Gr. M. Time Position Angle Vernier A = 80.4
5090.522 Sprocket Wheel A System -2.5
5090.094 " " B " -1.5
+0.428
27.012
-26.584

March 12, 1900 (Monday)

Bond 394 at Dent
6 50 00 6 59 36.6
6 51 00 7 00 36.6

T. Monacerotis
Phot T. 9" caprised. W Ch
6 17 +7 2
7 07

Right & above 3 0 Ledgered
178.2 Plotted
7 54.0 209.2 31.0 Posted
357.6 30.6
28.2 61.6 −2.80

177.6 −2.78
208.7 31.1
356.5 31.6
28.1 62.7 −2.76
Left & Below
86.6 Mean −2.73
118.6 32.0
266.6 32.9
299.5 64.9 −2.68

86.5 −2.68
8 05.2 119.4 32.9 5091.535
11 9.2 267.1 32.4 5090.094
7 59.6 299.5 65.3 −2.67 +1.441
5 −9.6 27.012
12 50.0 G M Time −25.571

March 12, 1900

Same Again

~~Left~~ & Below

86.3
8 10.6 118.8 32.5x
267.2 31.7x
298.9 64.2x -2.71x

86.4 -2.68+
118.5 32.1x
266.2 34.1x
300.3 66.2x -2.64+

Mean = -2.74+

Right & above

178.8
209.6 30.8x
357.2 30.3x
271.5 61.1+ -2.82+

177.9 -2.79+
8 19.4 208.2 30.3+
30.0+ 356.3 32.5+
8 15.0+ 281.8 62.8 -2.76+ Mean Final = 2.74+
5 -9.6 Position Angle Ver. a = 80.3
13 05.4+ Gr. m. Time Sprockit wheel a System = -25
" " B " = -15

5091.065x 27.012+
5090.094 1.451
+1.451+ 25.561+

March 12, 1900

Experiments with new photometer
= Photometer X.

W Obs

Posted

	13.2	+0.4	+0.5
	13.3	+0.5	+0.6
	13.7	+0.9	+1.0
	13.5	+0.7	+0.8
	12.9	+0.1	+0.2
	11.9	-0.9	-0.8
	12.3	-0.5	-0.4
	11.8	-1.0	-0.9
11 00	12.3	-0.5	-0.4
	12.6	-0.2	-0.1
	11.9	-0.9	-0.8
	29.40	~~11/6.6~~	+3.1
	~~12.85~~	~~+4.4~~	+3.4
	12.67	11/6.6	11/6.5
		0.6	0.6

March ~~14~~ 13, 1900 (Tuesday)

Bova 394 α & Dent
6 50 00 7 01 038
6 51 00 93 cap used, 7 02 038
Phot T. T. Monocerotis W Ob
6 17 +7.2
6 57
0 40

~~Right~~ & Above
177.9
7 38.6 208.7 30.8+
358.2 28.9+
27.1 59.7+ 2.87+

-2.86 x
178.2 29.7+
209.9 30.3+
357.1 60.0+ -2.86+ x
27.4
~~Left~~ & Below Mean 2.74
813.9 34.4+
120.3 32.1+
267.0 66.5+ -2.62
299.1

-2.62
817.9
7 48.0 119.4 32.5±
7 43.3+ 266.0 34.3+ 5092.
5 -11.1 300.3 66.8+ -2.61 5090.094
12 32.2+ S.M. Time Reject above group 2.4 obs very difficult

and uncertain on account of clouds

March 1~~8~~3, 1900

Same Again.

~~Left & Below~~ Plotted.
86.6 Ledgered.
7 53.4 120.7 34.1 x
266.1 31.7 x Posted.
297.8 65.8 x − 2.65

86.1 − 2.62 x
119.5 33.4 x
266.3 34.2 x
300.5 67.6 x − 2.59 x

Right & Above Mean = − 2.67 x
356.6
29.7 33.1 x
177.6 30.8 x
208.4 63.9 x − 2. 72

357.3 − 2.72
8 04.6 28.4 31.1 x
118.0 x 176.1 32.9 x
7 59.0 x 209.0 64.0 x − 2.71
5 11.1
12 47.9 x Gr M Time.
5092.533 x + 27.012 x
5090.094 + 2.439
+ 2.439 x 26.573 x

March 13, 1900

Eros Again

~~III~~

Right & Above

3568

8 10.6 27.2 30.4

177.7 30.9

208.6 61.3 -2.81

3577.6 -2.80

28.9 31.3

177.9 30.9

208.8 62.2 -2.78

Left & Below

2661 Mean = -2.70

299.4 33.3

86.6 33.3

119.9 66.6 -2.62

2666.2 -2.60

8 20.0 299.9 33.7

8 15.0 86.11 34.1

5 -11.1 120.2 67.8 -2.38

13 3.9 G. M. Time

5092.544

5090.094

+2.450

27.012

-24.562

March 13, 1900

Same A Gain IV

Left & Below

265.3

8 28.6 299.6 34.3ˣ

86.4 32.9ˣ

119.3 67.2ˣ -2.60ˣ

266.7 -2.60ˣ

299.5 32.8ˣ

85.4 34.1ˣ

119.5 66.9ˣ -2.61⁺

Right & Above

177.0 Mean = -2.67ˣ

209.1 32.1ˣ

357.5 31.1ˣ

28.6 63.2ˣ -2.74

178.1 -2.74

8 38.6 208.6 30.5ˣ

8 33.6 356.8 32.9ˣ

5 11.1 29.7 63.4ˣ -2.73 Final Mean = -2.68

13 225 ½ M Turn Position Angle Vernier a = 80.6

5092 558 Sprocket Wheel A System = -2.5

5090 094 " B " = -1.5

+2.464

27.012

-24.548

March 13, 1900
7 in cap used on
Phot T. S Monocerotis, W Ok
6 3 3 +10.0
8 2 3
1 5 0

Left & Above
85.9
9 06.0 171.2 35.3
262.9 38.2
301.1 73.5 -2.39

85.5 -2.46
120.2 34.7
266.4 34.7
301.1 69.4 -2.53

Right & Below
354.8 Mean = -2.50
30.4 35.6
176.0 33.1
209.1 68.7 -2.53

~~359~~.9
9 15.0 29.1 34.2
9 21.0 10.5 176.2 34.9
5 11.1 211.1 69.1 -2.54
13 59.4 Gr M Time
5092.583
5091.932
+0.651

March 31, 1900

Same Again

R & Below

354.6
9 18.0 31.5 36.9 x
176.1 33.1 x
209.2 70.0 x -2.51 x

355.8 -2.54 x
29.7 33.9 x
175.8 34.6 x
210.4 68.5 x -2.56 +

L & Above Mean = -2.52 x

266.2
299.1 33.9 x
85.3 36.4 x
121.7 69.3 x -2.53 x

264.2 -2.50 x
9 28.0 301.5 37.3 x
86.2 33.8 x
9 23.0 x 120.0 71.1 x -2.47 x
5 = 11
14 11.9 + Gr M Time Final Mean = -2.51

5092.592 + Position Angle Ver a. 168.6
5091.932 + Sprocket Wheel a System -6.2
+0.660 + " " B " -5.5
" " C " -4.7

March 18, 1900

R Ursae Minoris

Phot. 16 34 +72.9 WOk

9 14

7 20

4 40

Left

160.3 Comp. stars

10 00.0 225.6 65.3x

338.8 67.4x

46.2 132.7x + 0.92

Plotted.

Ledgered,

Posted

160.5 + 0.94

225.6 65.1x

338.9 65.3x

44.2 130.4x + 0.97

Right.

69.1

mean = 0.96

131 3.3 64.2x

250.6 65.7x

316.3 129.9x +0.98

69.8 +0.98

10 10.0 132.9 63.1x

10 05.0 247.9 67.4x

5 11.1 315.3 130.5 +0.97

14 53.9 Gr. M. Time

5092.621

March 13, 1900

Right. Same again.

68.4
10 13.4 135.3 66.9
251.6 63.6
315.2 130.0 +0.97

69.8 +0.98
134.3 64.5
249.8 65.6
315.4 130.1 +0.98

Left
338.8 mean = +098
44.6 65.8
158.9 68.2
227.1 134.0 +0.90

341.8 +0.99
10 22.6 44.7 62.9
36.0 161.1 62.1
10 18.0 223.2 125.0 +1.08
5 -11.1 Final mean = +0.97
15 6.9 Gr. M time. Pos Angle Ver. A. = 311.8
5092.630 Sprocket Wheel B System = 5.5
" , C " -4.8

March 13, 1900
9.5 cap used on
X Herculis
Pliot T. 15 5.8 + 47.6 W Obs.
10 08
5 50
6 10

Ledgered.
Plotted.
Posted.

Right above
169.2 [illegible]
10 43.5 216.9 47.7x
349.3 47.9x
37.2 95.6x – 1.77x

~~169.1~~ 170.3 –1.82x
215.4 45.1x
349.9 47.1x
37.0 92.2x – 1.86x

Left Below
77.4 Mean = 1.76
128.5 51.1x
257.6 50.6x
308.2 101.7x – 1.61x

77.2 1.60+
10 58.0 129.3
1013+ 258.1 50.5+
10 50.8 308.6 102.6 – 1.59+
5 –11.2
15 39.6 Gr M Time

5092653+
5092000
14.653+

March 13

Same Again.

Left to Below

78.6

11 00.0 ~~+28.8~~ 50.4ˣ

25. ..

30. , —

7 .

12 .

25 . .

30 . , —

Right to Above Stopped by clouds

Position angle Vera = 35 26
Sprocket Wheel A System = 7 5
" , B " = -6.5

Pos. an Reading is all right but clouds came somewhat sudden-ly preventing images being set in exact coincidence for sprocket

1100 wheel reading although they are very closely so.

March 14, 1900 (Wednesday)
~~Set A + Dunt~~

Bond 39 c   a + Dunt
6 49 00   6 40 31.0
6 50 00   6 41 31.0
Phot W.   o Ceti   W Ob
2 12   -3.6
6 46
4 34

Ledgered.
Plotted.
Posted.

R & B
232.4 Lvar dis
7 01.4 316.8   84.4 +
47.4   94.2 +
141.6   178.6 + - 0.03 +

230.5   - 0.06 +
320.2   89.7 +
51.1   86.0 +
137.1   175.7 + - 0.08 +

L & a.   mean = + 0.01 +
137.4
228.1   90.7 +
314.1   97.0 +
51.1   187.7 +
172.3 + + 0.14 +

137.6   + 0.08 +
7 08.4 229.4   91.8 +   509 +
9.8 + 321.1   88.0 +   509 3.55 +
7 49 + 49.6   180.3 + + 0.01 +
5 + 8.5 +   179.7 +
12 13.4 + Gr. M. Time

March 14, 1900

Same Again

L & a

137.7
7 10.4 229.7 92.0
319.2 89.8
49.0 181.8 +0.03
178.2

140.2 − 0.01
229.2 89.0
321.5 88.4
49.9 177.4 − 0.05

R & B. Mean = − 0.02
48.7
137.9 89.2
231.2 89.6
320.8 178.8 − 0.02

48.4 − 0.03
7 17.6 138.5 90.1
8.0 230.7 87.8
7 14.0 318.5 177.9 − 0.04
5 + 8.5
12 22.5

5098.556

Final Mean = 0.00

Mar. 14, 1900

Phot X experimented with, but light could not be obtained, filament seemed to be broken

7 in cap used on

Phot T. δ Monocerotis MOb

6 33 — 6 33 + 10 0

9 13 — 8 33

Σ 46 — Σ 00

L & a.

264.5 — Ledgered.

9 25.0 — 300.6 — 36.1^{x} — Plotted.

85.3 — 37.4^{x} — Posted.

122.7 — 73.5^{x} — -2.39^{+}

262.9

301.1 — 38.2^{x} — -2.42^{+}

86.6 — 33.6^{x}

120.2 — 71.8^{x} — -2.45^{+}

R & Below

174.8 — ^{x} mean -2.47^{+}

211.4 — 36.6

355.5 — 32.8^{x}

28.3 — 69.4^{x} — $-.2.53^{+}$

9 31.6 — ~~176.8~~ 5.1

56.6 — 211.7 — 36.0^{x} — -2.52^{+} — 5093.609^{x}

9 28.3^{+} — 355.5 — 33.8^{x} — 5091.932

5 + 8.5 — 29.3 — 69.8 — -2.51^{+} — $+1.677^{x}$

14 36.8^{+} Gr M Time.

March 14, 1900
Same Again.

R & Below
177.1
9 37.0 210.1 33.0
354.9 36.1
31.0 69.1 − 2.54

175.1 −2.54
210.2 35.1
355.0 34.2
29.2 69.3 −2.53

Left & Above Mean = −2.52
85.8
121.3 35.5
265.1 34.8
299.9 70.3 − 2.50

85.3 − 2.50
9 43.0 120.0 34.7
9 40.0 264.8 35.7
5 + 8.5 300.5 70.4 − 2.49
14 48.5 Gr. M. Time
5093.617
5091.932
+1.685

March 14, 1900

Same Again
~~III~~

Left Above
86.0
9 49.0 121.2 35.2x
266.2 34.0x
300.2 69.2x -2.53x

86.2 -2.56x
120.2 34.0x
266.3 33.3x
299.6 67.3x - 2.60x

Rt Below Mean = -2.58+
354.6
29.1 34.5x
177.6 31.3x
208.9 65.8x - 2.65x

355.4 = 2.60x
9 55.0 28.5 33.1x
10 4.0 175.4 36.0x
9 52.0 211.4 69.1x - 2.54+
5 48.5
15 0.5 Gr M Time.
5093.626+
5091.932
1.694+

March 14, 1900

Same Again.

IV

Right & Below

354.8

10 00.0 30.2 35.4*

178.7 30.9*

209.6 66.3* - 2.63*

354.1 - 2.58*

28.1 34.0*

176.0 35.2*

211.2 69.2* - 2.53*

Left & above Mean = -2.55*

265.8

299.3 33.5*

85.1 36.2*

121.3 69.7* - 2.52*

264.0 -2.52*

10 07.2 300.6 36.6*

10 03.6* 86.2 32.8*

5 48.5 119.0 69.4* - 2.53*

15 12.1* Gr. M. Time. ~~Final Mean~~ = -2.53*

5093.633* Position angle read = 168.8

5091.932 Sprocket wheel A System = -6.2

+1.701* " " B " = -6.5

" " C " = -4.8

March 14, 1900
9.5 in cap used on
Phot T. X Herculis W06
15 3 8 +47.6
10 1 8
5 40
R. Dalere 6 20

Ledgered
Plotted
Posted.

169.5 L vardis
10 31.0 218.4 48.9x
348.5 47.5x
360 96.4x 1.75x

169.7 -1.75
216.9 47.2x
346.8 49.2x
360 96.4x -1.75

Lt Below
75.8 mean = -1.68x
128.4 52.6x
257.2 50.8x
308.0 103.4x -1.57x

77.3 -1.60x
10 39.0 128.1 50.8x
10 35.0 258.2 50.5x
5 48.5 308.7 101.3x -1.62x
15 43.5 Gr. M. Time
5093.656+
5078.000
+15.656+

March 14, 1900
Same Again

Left & Below
78.4
10 42.0 128.2 49.8
258.0 51.2
309.2 101.0 −1.63

78.0 −1.62
128.7 50.7
257.9 51.4
309.3 102.1 −1.61

Right & Above
348.1 Mean = −1.68
37.9 49.8
168.7 48.4
217.1 98.2 −1.70

349.9 −1.73
10 51.0 37.2 47.3
930 169.4 48.6
10 46.5 218.0 95.9 −1.76
5 +8.5
15 55.0 Final Mean = −1.68
Position Angle Ver. a. = 172.4
5093.663 Sprocket wheel a System = −7.5
5078.000 " " B " = −6.5
+15.663

March 16, 1900 (Friday)

Bond 39.4 a & Dent
6 43 00.0 6 37 16.5
6 44 00.0 6 38 16.5
6 45 00.0 6 39 16.5
Phot W.T. o Ceti W Obs.
2 12 −3.6
6 52
4 40
abandoned for to-night.
Phot T. T Monocerotis W Obs.
9.5 cap used. 6 17 +72
Right & above 6 57
354.6 0 40
7 08.0 30.2 35.6x Plotted.
176.8 31.3x Ledgered
208.1 66.9x −2.61x Posted
357.4 −2.65x
28.1 30.7x
175.6 34.0x −2.69x
209.6 64.7x
261.3 Left & Below Mean = 2.46x
304.0 42.7x
85.1 36.0x
121.1 78.7x −2.23
264.6 5095.513x
7 18.0 300.3 35.7x −2.27 5090.094x
7 13.0x 83.2 40.4 +5.419x
5 +57 27.012x
12 18.7 123.6 76.1x −2.31x

March 16, 1900
Same Again

Left & Below
261.6
7 21.0 304.0 42.4^x
85.5 36.4^x
121.9 78.8^x − 2.23^x

264.2 — 2.29^x
300.0 35.8^x
84.5 39.1^x
123.6 74.9^x − 2.30^x
Right & Above Mean = − 2.46
175.5
211.1 35.6^x
356.8 31.0^x
27.8 66.6^x − 2.62^x
176.9 − 2.64^x
7 29.0 209.7 32.8^x
7 25.0^x 355.3 32.6
5 +0.7^x 27.~~8~~9 65.4^x − 2.6~~7~~6^x
12 30.7 Gr. M. Time Final Mean = −2.46^x
5095.522^x Position Angle per a − 80.8
5090.094 Sprocket Wheel a System 2.5
+5.428^x " " B " −1.5
27.012^x
−21.584^x

March 1~~9~~6 1900.

Phot W. T Cassiopeiae W Ok.

0 19 +55.9

7 42

7 23

Right & Below

Ledgered

Posted.

337.9 ∠ comp. star dis.

8 02.0 39.1 61.2x

156.9 63.5x

220.4 124.7x +1.09x

337.3 +1.12x

39.8 62.5x

158.3 60.1x

218.4 122.6x +1.14x

Left & above

250.1 Mean = +1.14x

308.3 58.2x

67.7 62.2x

129.9 120.4x +1.18x

246.6 +1.15x

8 10.6 309.9 63.3x

8 6.3x 68.0 60.2x

5 5.7 128.2 123.5 +1.12x

13 12.0x Gr. M. Time.

5095.550x

March 16, 1900

Same Again

Left & Above

	248.4		
8 13.0	308.8	60.4^{x}	
	65.9	64.3^{x}	
	130 2	124.7^{x}	+1.09^{x}
	247.0		+1.12^{x}
	309.5	62.5^{x}	
	68.2	59.6^{x}	
	127.8	122.1^{x}	+1.14^{x}

Right & Below Mean = +1.14^{x}

	160.6		
	218.0	59.4^{x}	
	337.4	62.0^{x}	
	39.4	119.4^{x}	+1.21^{x}
	158.1		+1.16^{x}
8 20.4	270.0	61.9^{x}	
33.4^{x}	337.8	61.4^{x}	
8 16.7^{x}	39.2	123.3^{x}	+1.12^{x}
5 + 5 7^{x}			
13 22.4^{x} Gr M Time			
5095.507			

Final Mean = +1.14

March 16, 1900

Phot T. δ Monocerotis W Ob

7 inch cap used.

6 33 6 38 +10.0
8 45 8 28
2 12 1 55

Left & Above

Plotted
Ledgered
Posted

85.3 (radius
8 51.0 121.8 36.5×
265.4 33.1×
298.5 69.6× −2.52×

86.4 −2.51×
120.0 33.6×
263.8 36.6×
300.4 70.2× −2.50×

Right & Below

Mean = −2.64×

356.2
29.0 32.8×
177.9 29.6×
207.5 62.4× −2.77×

358.2 −2.78×
8 58.4 27.4 29.2×
9.4× 176.3 32.9×
8 54.7× 209.2 62.1× −2.78×
5 +5.7×
14 00.4× Gr M Time
5095.583×
5095.375
0.208×

March 16, 1900

Same Again

Right & Below

356.0

9 02.0 — 29.9 — 33.9*

178.5 — 29.8*

208.3 — 63.7* — -2.73*

358.1 — -2.72*

27.3 — 29.2*

175.3 — 34.7*

210.0 — 63.9* — -2.72*

Left & Above — Mean = -2.58*

264.9

299.6 — 34.7*

85.3 — 37.5*

122.8 — 72.2* — -2.43*

263.2° — -2.44*

9 11.0 — 300.1 — 37.1*

13.0* — 86.8 — 34.2*

9 6.5 — 121.0 — 71.3* — -2.46*

5 5.7*

14 12.2* Gr M Time

5095:592*

5095:375*

+0.217*

~~Final Mean~~ = -2

March 16, 1900

Same Again III

Left & Above

265.7
9 15.2 300.0 34.3
85.2 36.9
122.1 71.2 - 2.47

264.1 -2.50
300.4 36.3
86.9 33.1
120.0 69.4 - 2.53

Right & Below
#7.
2 Mean = - 2.5~~8~~6

355.4
29.8
34.4
177.5 32.4
~~9 .2~~ 209.9 66.8 - 2.61
355.9
-2.6~~4~~3
9 25.2 28.4 32.5
9 20.2 176.4 33.~~0~~2
5 + 5.7 209.~~6~~4 65.7 - 2.6~~4~~5 Final Mean = 2.59
14 25.9 G. M. Time
5095.601
5095.375
0.226

Pos. angle per a = 350.6
Sprocket Wheel a System = -6.2
" " B " -5.5
" " C " -4.8

March 16, 1900

Phot R. M. P. 4×1 W O la

3 31 +628
9 48

6 17

Right
1565 < var. dis. ~~Ledgered~~
957.4 214.64 57.9^{x}
3338 60.8^{x} ~~Plotted~~
34.6 118.7^{+} −1.22^{+} Posted

1570 1.23^{x}
213.6 56.6^{x}
3348 61.3^{+}
36.1 117.9^{+} −1.24^{x}
Left
60.6 Mean = −1.24
128.70 62.4^{x}
249.0 53.5^{-x}
302.5 115.9^{+} − 1.28^{x}

67.3 −124^{x}
10 04.0 123.3 56.0^{x}
121.4 243.3 63.3^{x}
10 00.7^{x} 306.6 119.3^{+} − 121^{+}
5 +5.7
15 6.4 Gr M time.
5095.629^{x}

March 16, 1900
Same Again.

Left
63.6
10 06.0 126.7 63.1
247.0 55.9
302.9 119.0 −1.21

67.7 −1.22
122.6 54.9
243.5 63.4
306.9 118.3 −1.23

Right Mean = −1.23
333.6
36.7 63.1
157.5 55.5
213.0 118.6 −1.22

337.5 −1.24
10 12.6 33.5 56.0
18.6 155.5 60.6
10 9.3 216.1 116.6 −1.27
5 5.7
12 15.0 Gr M time Final Mean = −1.24
5095.630

March 16, 1900

Phot T. X Herculis W Obs.

15 58 +47.6

~~Per = 2.6d~~
8

Abandoned.

Phot T. Y Bootis W Obs.

14 9 +20.0
10 25
3 44
8 1 86

March 16, 1900

Same Again

Dis of Jup IV
Phot R of

W. Obsr
Colson Recorder

Compared with sat. on same side
> Sat. I

Ledgered

March 16, 1900

17 17 17
+5 3
17 22 20

17 53
+5 +3
22 56

18 39
+5 +3
23 42

19 02
5 +3
24 05

19 40
5 +3
24 43

20 05
5 3
25 08

17	17	00		55.2	
		12	76.7	131.9	1
		22	80.6	53.0	
		35	78.6	133.6	
		42		52.3	
		48	81.4	133.7	
		55	81.1	52.0	2
	18	07	81.2	133.1	
		32		54.6	
		36	76.4	131.0	
		41	80.8	56.0	3
		46	78.6	1~~5~~36.8	
		53		~~0~~54 ~~134~~.0	
	19	00	80.8	134.8	
		04	79.8	56.0	4
		10	80.3	135.8	
		14		52.8	
		~~19~~		56.0	
		38		55.2	
		44	79.2	133.2	5
		50	81.9	51.9	
		55	80.6	13~~8~~3.8	
		59		55.8	
	20	02	77.2	133.0	
		08	81.1	52.0	6
		12	79.2	133.1	
		16		52.0	

March 16. 1900

20 24x		21	85.0x	137.0	
+5 +3		25	82.8x	52.0	7
25 27x		34	82.9x	134.8	
		38		52.0	
20 46x		43	79.9x	131.9	
5 + 3x		48	82.8x	52.9	8
25 49x		54	81.4x	135.7	
21 08x	21	00		53.0	
5 3x		05	82.9x	135.9	
26 11x		10	83.9x	55.1	9
		15	83.4x	~~15~~ 139.0	
21 29x		21		55.7	
5 3		26	76.3x	132.0	
26 32x		31	77.1x	56.9	10
		37	76.7x	134.0	
		~~43~~		~~52.0~~	
22 00x		48		56.6	
5 3		57	75.6x	132.2	11
27 03x	22	03	75.1x	56.9 ~~[illegible]~~	
		10	75.4x	132.0	
27 20x		17		56.9	
28x		25		130.8	F
34x		31		60.2 ~~1218~~	
39x		36		127.2	
44x		41		63.0	
49x		46		128.0	
56x		53		61.8	
28 01x		58		128.0	
05	23	02		62.8	

March 16. 1900

28	12		09	124.2
	17		14	65.8
	22		19	120.8
	27		24	66.7
	32		29	120.8
	37		34	65.0
	45		42	120.9
	51		48	69.0
	57		54	118.0
29	01		58	71.0
	05	24	02	118.0
	13		10	74.5
	19		16	116.8
	25		22	75.9
	31		28	115.0
	36		33	75.0
	44		41	111.2
	52		49	79.5
	59		56	106.2
30	08	25 ~~24~~	06	80.9
	20		18	104.2

Not seen later
Limit of Visibility

26 06	17	25	46		86.0
5+2			54	19.0	105.5
31 08		26	12	18.5	86.5
			31	19.0	105.0

March 16. 1900

Seeing not overgood but still pretty fair most of the time, Daylight coming + pretty strong toward end of Eclipse

A. + Δ 9√8.
17 √6 √9.3
√7 √9.4

B 394.
18 2 0.0
3 0.0

Chronometer corr = + 5^m 3 secs to 17.25 and 5^m 2 sec from 17.25 to end.

March 17, 1900 (Saturday)

Bond 396 — A & Dent
6 55 00.0 — 6 50 37.5
6 56 00.0 — 6 51 37.6
Phot W. — o Ceti. — W Ob.
2 12 — -3.6
7 05
R & B — 4 53
49.2 Lnardis — Plotted
715.0 138.5 — 89.3 × — Ledgered,
230.0 — 90.7 × — Posted
320.7 — 180.0 × — 0.06 ×

49.1 — +0.05
143.3 — 94.2 ×
230.15 — 91.0 ×
321.5 — 185.2 ×
L & A — 174.8 × — +0.10 ×
323.0 — Mean = 0.00 ×
48.5 — 85.5 ×
144.2 — 87.9 ×
232.1 — 173.4 × — -0.13 ×

323.1 — -0.06 ×
7 23.4 — 49.5 — 86.4 ×
7 19.2 × — 143.3 — 94.0 ×
5 + 6.4 — 287.3 — 180.4 ×
12 23.6 × G. M. Time — 179.6 × — +0.01 ×
5096.077 × Impossible to obtain another group; region low

March 17, 1900

Phot T. T. Monocerotis W.O.

9.5 cap used

6 17 + 7.2
7 37
R & above 1 20

Plotted.
Ledgered
Posted

351,8
7 51.5 31,8 40.0*
1760 33.2*
209,2 73.2* −2.40*

355,3
28,8 33.5* −2.43*
174,1 37.9*
212,0 71.4* −2.46*

Left & Below
262,8 Mean = −2.38*
303,8 41,0*
84.7 35,9*
120.6 76.9* −2.29*

Clouds
266,6 −2.32*
8 11.0 304,2 35.6*
122.6* 83,5− 39.6*
8 01.2* 128,1 75.2* −2.34*
5 4.4*
13 5.6* Gr. M. Time
5096.546
5090.094
+6.452

March 17, 1900

Same again.

Left & Below

262.2
8 14.0   303.3   41.1×
85.7   35.3×
121.0   76.4×   -2.30×

264.8   -2.31×
300.6   35.8×
83.0   40.1×
123.1   75.9×   -2.32×

Right & Above   Mean = 2.40×

176.3
212.1   35.8××
356.2   33.6××
29.8   69.4×   -2.53×

176.1   -2.56×
8 22.4   210.5   34.4×
36.4   354.5   36.3×
8 18.2×   30.8   70.7×   -2.48×
57.44×   Final Mean = -2.39×
13 22.6× Gr. M. Time. Position Angle per a = 81.6
5096.558×   Sprocket Wheel. a System -2.5
5090.094   β "   " -1.5
+6.464×

March 17, 1900

Phot T. T Persei W Ob

2 8 +5772

8 38

6 30

Above

71.4 Lavar. dis

8 48.4 133.7 62.3*

253.5 55.4*

308.9 117.7* = -1.24* Posted

Plotted.

Ledgered.

749 -1.27*

133.2 58.3*

253.2 5~~7~~6.8*

310.0 115.1* -1.30*

Below

345.0 Mean = -1.38*

40.6 55.6*

167.9 51.3*

219.2 106.9* -1.49*

347.2 1.50*

8 58.0 37.3 50.1*

106.4* 164.3 55.6*

8 53.2* 219.9 105.7* -1.52*

5 +4.4

13 57.6* G. M. Lewis.

5096.582

March 17, 1900

Same Again.

Below

346.5

9 00.6 39.4 52.9 ××

166.7 52.4 ×

219.1 105.3 × −1.53 ×

346.6 −1.52 ×

38.7 52.1 ×

165.4 53.6 ×

219.0 105.7 × −1.52 ×

Above Mean = −1.39 ×

232.5

312.3 59.8 ×

76.0 56.3 ×

131.3 116.1 × −1.28 ×

253.9 −1.26 ×

9 07.4 311.4 57.5 ×

8.0 × 73.9 60.1 ×

9 4.0 131.0 117.6 × −1.25 × Final Mean = −1.38 ×

5 +4.4

14 8.4 Gr. m. time

5096.589 ×

Position angle Vega = 151.6

Sprocket wheel α System = −.45

β = −.53

March 17, 1900

Phot T. δ Monocerotis W.M.h.
7 inch cap.
6 33 + 10.0
9 53
3 20

L & above
265.6
~~10~~ 58.0 298.9 33.3
9 87.5 33.6
121.1 66.9 - 2.61

Plotted
Ledgered
Posted

265.7 -2.59
298.8 33.1
86.5 35.0
121.5 68.1 - 2.57

R & B.
175.6 Mean = -2.58
211.1 35.5
355.4 33.0
28.4 68.5 -2.56

175.9 -2.56
10 05.0 210.0 34.1
10 01.5 355.5 34.1
5 44.4 29.6 68.2 -2.54
15 0 59 Sid. time

5096.629
5095.375
+1.254

March 17, 1900

Same Again

R + B
175.6
1007.0 211.7 36.1
355.6 34.4
30.6 70.5 −2.49

−2.48

175.5
210.3 34.8
354.8 36.7
31.5 71.5 −.2.46
L + a
85.4 Mean = −2.52
122.0 36.6
266.3 33.3
299.6 69.9 = −2.51

−2.56
87.2
10 13.6 119.3 32.1
20.6 264.7 35.1
10 10.3 299.8 67.2 −2.60
5 + 4.4
15 14.7 Gr M Time.
5096.635
5095.375
+1.260

March 17, 1900.

Same Again III

L+A
85.4
10 17.0 121.1 35.7 ~~39.7~~
265.8 33.3
299.1 69.0 - 2.54

86.2 -2.54
119.7 33.5
265.3 35.7
301.0 69.2 -2.53

R+B Mean = -2.52
354.8
31.3 36.5
176.2 33.2
209.4 69.7 - 2.52

355.3 - -2.50
10·22.6 29.4 34.1
~~39.6~~ 174.8 36.4
10 19.8 211.4 70.5 2.49 Final Mean = -2.54
5 + 4.4 Troubled somewhat by clouds
15 24.2 Gr. M. Time Poz. ang. Vera = 350.4
5096642 Spurbet Whole = -62
5095375 " " B = -55
+1.267 " C = -48

March 17, 1900

Phot. T. Y ~~#~~ Bootis W Obs.

14 9 +20.0
9.5 cap used. 10 34
3 35
L & above 8 25

664 comp. star dist. =
0 42 00 141.4 7~~8~~7.0*
241.8 81.1
322.9 158.1 + 0.45

Ledgered
Posted.

64.4 + (+0.44)
43 30 143.5 79.1
244.5 76.5
321.0 155.6 + 0.47
R + Below
335.5
46 00 51.0 75.5
155.2 78.0
233.2 153.5 + 0.51

330.~~6~~4 +0.52
10 47 10 50.9 75.5
18 40 106.0 76.2
10 44 40 232.~~4~~2 151.7 +0.54
5 + 4 33
15 49 13 Gr. M time

mean +0.48

5096.6591

March 17, 1900

Same Again

R & Below

335.3

10 49. 15 50.2 74.9^{x}

156.4 73.6^{x}

230.0 148.5^{x} + 0.60^{x}

+

335.2 (+0.60^{x})

50 45 501.2 75.0^{x}

156.1 73.8^{x}

229.9 148.8^{x} + 0.60^{x}

L & Above

244.6

52 45 321.9 77.3^{x}

63.6 86.0^{x}

143.6 137.3^{x} + 0.43^{x}

243.4 + +0.46^{x}

5 4 00 321.5 78.1^{x}

20 6 45 64.8 76.6^{x}

10 51 41 141.4 154.7^{x} + 0.48^{x} Mean + 0.53^{x}

5 + 4 35 Final Mean = +0.50^{x}

15 36 16 Gr. M. Time, Pos Angle Var a 247.9

5096.6640 Sprocket Wheel a = -2.5

B = -1.5

March 20, 1900 ~~Tu~~ (Tuesday)

Bond 394 a & Dent.
6 51 00.0 6 49 07.5
6 52 00.0 6 50 51.5
Phot T. T. Monocerotis. W. Obs.
9.5 Cap. used
617 +7.2
724
107

R & a.

Ledgered
Plotted.

178.0
7 22.0 216.3 42.3
305.9 35.2
311.1 77.5 − 2.27

175.4 −2.28
212.5 37.1
353.2 40.1
33.3 77.2 −2.28

L & Below

82.5 Mean = −2.19
123.7 43.2
262.6 38.7
301.3 81.9 −2.14

83.3 −2.10
7 30.6 123.7 40.4 5099.519
526 260.9 44.2 5090994
7 26.3 305.4 84.6 −2.06 9.425
5 +1.1
12 27 4 Gr. M. Time.

March 20, 1900

Lt Below

83.4

7 34.0 125.1 41.7^{+}

263.4 40.0^{+}

303.4 81.7^{+} −2.14^{+}

83.6 −2.12^{+}

123.8 40.2^{+}

261.8 42.7^{+}

304.0 82.9^{+} −2.11^{+}

Right & Below

352.3 Mean = −2.20^{+}

32.1 39.8^{+}

174.8 37.6^{+}

212.4 77.4^{+} −2.27^{+}

353.9 −2.28^{+}

7 43.4 30.7 36.8^{+}

7 77.4^{+} 173.5 40.0^{+}

7 38.7^{+} 213.5 76.8^{+} −2.29^{+}

5 +1.1 Final Mean = −2.20

12 39.8 Gr. M. time. Position Angle Ver a = 82.2

5099.528^{d}

5090.094

9.434^{+}

Sprocket Wheel a −2.5

B −1.5

March 20, 1900

Circumpolar Variables
R Cassiopeiae W. Ob.

23 5-2 23 6-2 +49.7
32, 2 3~~Z~~ 7
8 20 ~~15 45~~
8 15

L. Post. Plotted.

8 08 = 3 var, var 1 v Est 12.7
in large telescope
high power used.

Phot. W # Nova Aurigae W Obs.
5 23 +32.0
8 23
Above + R. 3 00
77.7
8 28.0 113.6 35.9
258.4 37.6 ~~Ledgered~~ ~~Plotted~~.
296.0 73.5 +2.39
76.0
113.3 37.3 +2.31
256.6 41.6
298.2 78.9 +2.23
Below + L. mean = +2.40
350.3
22.3 32.0
168.2 38.8
207.0 75.8 +2.68 5099.565
8 36.0 349.7 +2.50
64.0 24.1 34.4
8 32.0 169.0 35.5 -2.37
5 41.0 204.5 69.9
13 [illegible]

March 20, 1900.

Same Again

Below & L

347.7
8 39.0 24.4 36.7
167.7 36.1
203.8 72.8 +2.42

349.8 +2.44
24.0 34.2
167.9 36.9
204.8 71.1 +2.47

Above & R. mean = +2.43
258.5
294.0 30.5
77.8 37.3
115.1 72.8 +2.42

258.2 +2.42
8 48.0 294.2 36.0
87.0 78.3 36.3
8 43.5 114.6 72.3 +2.43
5 +1.0 m.T. Final Mean = +2.42
13 44.539 Spectrum apparently monochromatic but
5099.572 very faint

March 20, 1900

~~R Lyncis~~. W Obs

U Puppis.

7 56 128 7 56 -13.0
9 13 9 16
1 17 1 10

Num. 3 Mag. 2.7
94 12.7
Clouds 89 12.3
96 12.7
95 12.7
98 12.9
88 12.3

No. 98 = about the same brightness as no. 95.

No 94 (12.7) is about the same brightness as No 74 (11.9)

Phot. T. U Cephei. W Obs.

0 50 +81.1
10 16
9 20

Clouds

See following pages for measurements.

Posted

March 20, 1900

U Cephei I

Ledgered

Left & Above

158.2
10 10 55 228.3 < var dis 72.1×
334.8 79.0×
53.8 149.1× − 0.59×

157.1 − 0.62×
10 13 10 230.4 73.3×
336.0 73.2×
49.2 146.5× − 0.64×

Right & Below

Clouds thick
63.5 stars gone Mean = − 0.48×
10 18 15 142.5 79.6×
243.2 82.6×
325.8 161.6× − 0.35×
clouds

59.7 − 0.33×
10 21 45 147.8 88.1×
6.4 05× 246.2 75.6×
10 16 01× 321.8 163.7× − 0.31×
5 0 − 58
15 15 03 G.M.T. Stopped by clouds
5099.6354×
5097.1696×
+2.4658 (Hartwigs Eph.)

5099.6354×
5099.4984
+0.1370× (Uniform Period

The above on U Cephei difficult on account of clouds.

March 20, 1900

II

Bond 394	a + Dent
11 03 00.0	11 02 04.0

March 21, 1900 (Wednesday)

Bond 39.4 A & Dent
6 5 2 01.0 6 51 58.8
6 5 3 00.0 6 52 58.8
Phot T. T. Monocerotis W.Ak.
9.5 cap used.
6 17 +7.2
7 23
Right & Above 1 06

Plotted
Ledgered.

351.6
7 38.0 32,3 40.7×
174.0 40.6×
214.6 81.3× - 2.16×
353.0
323 39.5× (-2.14×)
172.6 43.0×
215.6 82.5 — 2.12×
L. & Below mean = -2.11×
261.3
304.4 43.1×
83.0 40.3×
123.3 83.4× - 2.10×
262.7 (-2.08×)
7 48.0 303.2 40.5×
7 43.0× 80.3 43.7×
5 +0.0 124.0 84.2× -2.07×
12 43.0× Ig n M. Time.
5100.530×
5090.094
+10.436×

March 21, 1900

Same Again

Left ~~&~~

261.6
7006 304.7 43.1
82.8 41.2
124.0 84.3 -2.07

263.0 (-2.06)
307.1 41.1
81.0 43.9
124.9 85.0 -2.05

Right & Above

Mean = -2.13 ~~-2.17~~

173.1
214.4 41.3
354.3 37.9
32.2 79.2 -2.22

(-2.~~16~~20)

173.4
759.0 213.9 40.5 ~~40.5~~
9.6 357.1 40.0 ~~37.8~~
7548 ~~30.9~~ 80.5 ~~80.3~~ -2.~~19~~18
5 0.0 31.1

12548 Gr M Time. Final Mean = -2.12
5100.538 Position Angle Zero = 81.7
5090.094 Sprocket Wheel A -2.5
+10.444 Sprocket Wheel B -1.5

March 21, 1900

Phot W. Nova Aurigae Wltz.

5 23 +32.8
8 26
3 03

Below + L.

	165.1		Plotted
8 24.6	202.1	37.0	Ledgered.
	345.0	34.1	
	19.1	71.1	+2.47
	165.0		+2.42
	200.3	35.3	
	345.1	38.7	
	238	74.0	+2.38

Above + Right.

	74.6		Mean +2.43
	113.2	38.6	
	256.8	35.3	
	292.1	73.9	+2.38
	77.0		+2.44
8 38.0	111.4	34.4	
62.6	256.8	36.2	
8 31.3	293.0	70.6	+2.49
5 0 0			

13 31.3 Gr. M. Time.
5100.563

March 21, 1900.

Same Again

R & Above

77.4
8430 168.5
255.4
292.7

31.1
37.3
68.4 +2.56

76.9
112.8
254.6
292.0

-2.48

35.9
37.4
73.3 +2.40

L & Below

mean = +2.49

346.2
21.9
168.3
202.3

35.7
34.0
69.7 +2.52

+2.50

347.9
855.0 22.6
98.8 165.2
849.0 201.~~7~~2
5 0.0
13 49.0 G.M.T.
5400.576

34.7
36.0
70.7 +2.48

Final Mean = +2.46

Nova extremely faint in photometer. Settings made with great care

March 21, 1900

R Lyncis W.Ok.

6 49 +55.1

9 27

2 38 L.P.

9 27 ± 4 var, var 1 m

Est. 14.02

Estimated with power 270.

Selection of ~~comp~~ Standards near T ~~Hydrae~~

T. Hydrae 8 52 -9.0

9 59 W.Ok.

1 07

No 55 mag (11.9)

53 " (11.7)

50 " (11.5)

52 " (11.7)

49 " (11.5)

48 " (11.5)

44 " (11.3)

42 " (11.3)

47 " (11.5)

37 " (11.1)

Posted

March 21, 1900

T. Virginis

W Obs.

12	9	12	9	-5.2
10	59	10	49	
1	10	1	20	
10	50	10.	40	

No. 33 mag 11.4
28 11.2
27 11.2
36 11.8
32 11.3
24 10.9
11 00 35 11.6
29 11.2
34 11.5
31 11.3

March 22, 1900 (Thursday)

Bond 37× a&Dent
7 00 0.0 7 01 0~~8~~.5
Phot T. T. Monocerotis W.Ob.
9.5 cap used
6 17 + 7.2
7 42
1 25

R&A.
171.2
7 42.6 215.0 43.8×
354.7 36.2×
30.9 80.0+ −2.19×
(−2.17×)
174.3
212.9 38.6×
350.5 43.0+
33.5 81.6+ −2.15+

Ledgered
Plotted
Posted.

L&B.
80.2 Mean = −2.08×
126.1 40.9×
260.8 41.7×
302.5 876.+ −1.98×
82.8 (−2.00)
7 51.8 124.5 41.7×
94.4× 260.2 44.0
7 47.2× 304.2 85.7+ −2.03
5 −1.2
12 46.0× G. McKinne
5 101.532×
5 090.094
+11.438×

March 22, 1900

Same Again

Lt Below

81.3

7 55.0 125.8   44.5*

261.7   42.3*

304.0   86.8*   -2.00*

82.6   (-1.98*

124.3   41.7*

269.3   46.6*

305.9   88.3*   -1.96*

Right & Above   mean = -2.04*

351.3

33.4   42.1*

172.6   41.9*

214.5   84.0*   -2.08*

(-2.10)*

353.3

8 04.0   31.7   38.4*

1 19.0*   171.3   43.7*

7 59.5*   215.0   82.1*   -2.13*

5 -1.2

12 58.3* Gr.M.Time.

5401.540*

5090.994

+11.446*

March 22/1900

Same Again

Rt Above
351.9
8 16.0 32.3 40.4
173.5 39.7
213.2 80.1 -2.19

353.4 -2.15
32.0 38.6
170.8 44.2
215.0 82.8 -2.11

Lt Below Mean = 2.08
260.7
304.4 43.7
82.5 41.8
124.3 85.5 -2.04)

262.8 (-2.00)
8 23.0 303.6 40.8
39.0 80.3 47.1
8 19.5 127.4 87.9 -(1.97)
5 -1.2
13 18.3 Gr. M. Time Final Mean = -2.07
5101.554 Pos. Angle Ser. a = 262.2
5090.094 Sprocket Wheel a = -2.5
+11.460 " " B = -1.5

March 22/1900

Nova Aurigae

5 23 +32.0
9 00
3 37

Clouds, no faint stars visible in this region.

Selection of ~~comp~~ Standard Stars near W Leonis.

10 47   10 47   +16.2
9 15   10 05   W Ch.
1 32   0 42
10 28   11 18

10 46 +16.4
9 26
1 20

10 44 +14.5
9 27
1 16
10 43

see next page

March 22, 1900

Standards near W Leonis
W.Ok.

Num 32 mag 11.6
Star x following No. 32 by 10.5 secs
and 0!8 N. of it.

Star following No. 32 by 12 secs
and 3!6 North of it.

No. 27	mag. 11.2
30	11.5
31	11.6
24	10.9

Clouds

Standards near
V Cancri. WCh

8 16 + 17.9
10 20
2 4

No. 50	mag 12.5
49	12.4
42	12.0
43	12.0
48	12.3
41	11.9
44	12.0
45	12.1
46	12.2
47	12.3

Posted

March 22, 1900

Phot. T. X Herculis W Ob.

9.5 cap.

15 58 + 47.6

10 50

5 8

6 52

Dis of Jup I. Phot. R.
Colson Recorder.
W Obs.

Compared with next nearest sat. on same western side = Sat. II.
Comparison sat. dis. between 1st + 2nd readings. Jup. ~~low~~ near meridian but low in dec. Seeing a little blurring.

March 22. 1900

15 13 40^{x} 15	13 20		43.6	
-1 33	36	84.4^{x}	128.0	
15 12 07^{x}	46	86.9^{x}	44.1	1
	14 . 00	85.6^{x}	131.0	
15 14 30^{x}	12		43.0	
-1 33	24	87.3^{x}	130.3	
15 12 57^{x}	36	86.2^{x}	43.6	2
	46	86.8^{x}	129.8	
15 10^{x}	55		42.0	
~~1~~ -~~3~~3	15 07	86.2^{x}	128.2	3
13 37^{x}	15	84.8^{x}	43.2	
	24	85.5^{x}	128.0	
	33		44.2	
15 49^{x}	45	86.8^{x}	131.0	
1 33	53	87.1^{x}	44.5	4
14 16^{x}	16 05	87.0^{x}	131.6	
	16		43.0	
16 33^{x}	29	88.2^{x}	131.2	
-1 33	39	90.1^{x}	42.9	5
15 00^{x}	46	89.2^{x}	133.0	
	55		42.1	
17 13^{x}	17 04	89.9^{x}	132.0	
-1 33 Moved images slightly in field.				
15 40^{x}	16	87.0^{x}	44.0	6
	27	88.4^{x}	131.0	
17 51^{x}	36		44.3	
1 33	45	88.2^{x}	132.5	
16 18^{x}	54	88.9^{x} 88.6	43.8	

March 22. 1900.

		~~03~~			
	18	10		132.7	7
15 18 34x		16		42.3	
1 33		30	87.5x	129.8	
15 17 01x		38	87.5x	41.3	8
		51	87.5x	132.8	
19 16x	19	04		42.8	
1 33		11	87.7x	130.5	
17 43x		20	88.0x	44.8	9
		30	87.8x	132.8	
19 49x		36		42.0	
1 33		45	88.8x	130.8	
18 16x		53	89.0x	41.8	10
	20	02	89.0x	131.1	
		10		44.6	
20 23x		20	87.4x	132.6	
1 33		28	86.9x	42.3	11
18 50x		35	87.2x	129.2	
		42		42.0	
20 53x		~~4~~ 50	91.0x	133.0	
−1 33		55	87.3x	44.2	12
19 20x	21	05	89.2x	131.1 σ assumed	
		13		41.2	
21 26x		20	91.0x	132.2	
1 33x		31	87.7x	43.5	13
19 53x		39	89.4x	131.2	
20 12x		45		43.2	
21x		54		131.8	
31x	22	04		45.0	

Mar. 22, 1900.

15 20 39+		12		131.0
48+		21		4~~8~~7.8
57+		30		128.2
21 02+		35		50.0
10+		43		124.1
17+		50		51.5
25+		58		124.0
41+	23	14		52.3
47+		20		119.0
56+		29		56.1
22 04+		37		117~~8~~.6 ~~[illegible]~~
15+		48 ±		59.8
20+		53		115.7
30+	24	03		62.3
39+		12		108.8
53		26		67.8
23 02+		35		105.0
10×		43		68.0
21		54		10~~8~~4.2
	~~25~~.			

Not seen later Limit of visibility

25 57×	25	37		69.0
1 33		48	34.8+	103.8
24 24×	26	02	35.6×	6~~9~~8.4
		20	35.2×	104.0

A. + D. 958 used.

Mar. 22, 1900.

A. & D. 958.			B. 394.		
15	43	34.3	15	42	0.0
	44	34.4		43	0.0
A. & D. 958.			B. 394.		
16	17	36.0	16	16	0.0
	18	36.0		17	0.0

∴ Subtract $1^m\ 33.^s0$ from all the times on preceding eclipse.

March 23, 1900 (Friday)

Bond 394 α & Dent
6 44 0.0 6 46 21.8
6 45 0.0 6 47 22.0

Phot T. T. Monocerotis W Obr
9.5 cap. used

6 17 +7.2
7 47
1 30

Right & Above

Ledgered.
Plotted.
Posted.

169.7
7 39.0 216.9 47.2ˣ
354.2 ~~3~~7.5ˣ
31.7 84.7ˣ − 2.06ˣ
174.1 (−2.07ˣ)
212.1 38.0ˣ
350.3 45.8ˣ
36.1 83.8ˣ −2.08ˣ

Left & Below mean = (−2.00)

79.5
126.9 47.4ˣ
262.9 41.9ˣ
30~~5.4~~4.8 89.3ˣ − 1.93ˣ
81.9
7 48.0 123.4 41.5ˣ (−1.93ˣ)
209.3 47.9ˣ
7 43.5ˣ 307.02 89.4 − 1.93ˣ
5 −2.4

12 41.1ˣ Gr M Time.

5102.528ˣ
5090.094
+12.434ˣ

March 23, 1900

Same Again

Left & Below

79.1
7 0 0 0 126.6 47.5″
260.6 42.6″
303.2 90.1″ − 1.91″

(− 1.92″)

82.4
124.4 42.0″
209.6 46.9″
306.5 88.9″ − 1.94″

Right & Above Mean = (− 1.97″)

349.3
35.3 46.0″
173.7 40.9″
214.6 86.9″ − 2.00″

(− 2.02″)

357.0
8 0.0.0 33.6 42.6″
7 55.0″ 171.8 43.1″
5 − 2.4 215.4 49 85.7″ − 2.03″
12 52.6″ Gr. M. Time.
5102.537
5090.094
+12.443″

Position Angle Vera = 81.7
Sprocket Wheel A System = 2.5
B " " = − 1.5

March 23, 1900

Same Again II

R. & Above

172.7
8 09.0 215.3 42.6ˣ
353.3 39.0ˣ
32.3 81.6ˣ − 2.15

173.2 (−2.15)
212.6 39.6ˣ
351.3 42.2ˣ
33.0 81.6ˣ − 2.15

L. & Below
81.6 Mean = (−2.04ˣ)
125.2 43.6ˣ
262.0 43.0ˣ
306.0 86.6ˣ − 2.01

(−1.94)
80.7
8 16.4 124.4 43.7ˣ
25.4
8 12.7ˣ 259.2 47.8ˣ
5 −2.4 307.0 91.5 − 1.90 1.87
13 10.3ˣ Gr. M. Time
5102.
5090.094
+12.

Reject this group circle found to be loose.

March 23, 1900

Left & Below Same Again ~~IV~~

79.6

8 20.4 126.7 47.1

261.4 43.7

305.1 90.8 − 1.89

81.0 − 1.93

125.6 44.6

259.8 43.4

303.2 88.0 − 1.97

Right & Above mean = −2.02

351.9

33.0 41.1

173.1 40.1

213.4 81.2 − 2.16

352.1 − 2.11

8 26.0 33.4 41.3

8 23.2 170.5 43.5

5 − 2.4 214.0 84.8 − 2.06

13 20.8 Std. Mn. time

5102.556

5090.094

+12.462

Final Mean = −2.00

See page 189 for sprocket Wheel & Pos Angle readings

March 23, 1900

Nova aurigae WOe

Phot X 5 23 + 3 20

9 07

3 44

~~nova comp with star s~~

~~9 12.0~~ ~~13.5~~

~~13.~~

~~9 14.0~~ ~~14.3~~

T.

~~9 16.0~~ ~~14.0~~ Star s with light

9 17.4 13.6 }

13.4 } L to right

13.8 }

19.4 13.7 } L to left.

nova with light.

23.4

~~20.9~~ 20.9 } L to ~~left~~

20.8 }

21.8 } L to right.

25.4 21.8 }

Star n with light

27.5

9 ~~26.0~~ 21.7 } l to right | The above reading

21.4 } | only experimental

20.5 } l to left | not to be held.

9 31.0 20.8 }

March 23, 1900

I

Star s again.

~~9 34.2 13.1 L to Left.~~
~~13.2 L " "~~
~~. L Right.~~
~~, L " "~~

9 35.6 13.2 L to Left
13.1 L to "
13.4 L to Right
38.6 13.2 L to "

Nova again

9 40.2 21.6 Right
21.3 "
20.7 Left
41.8 20.7 "

Star ~~s~~ u again.

9 43.2 21.9 ~~Left~~ Right
21.3 " "
21.2 ~~Right~~ Left
46.5 21.3 " "

March 23, 1900
Nova Aurigae (con't)
II
Star $\underline{s}$ again.

Left
9 48.5 13.2
12.9
Right
13.8
50.7 13.4

Nova again.

Right.
9 51.8 21.8
21.9
Left
20.9
53.4 20.8

Star $\overset{u}{\underline{x}}$ again.

Right
9 54.2 20.8
21.1
Left
20.9
57.2 20.6

March 23, 1900

Star $\underline{s}$ again. ~~III~~

Left

9 58.4 13.1

13.3

Right

13.4

10 01.0 13.3

Nova again.

Right

10 02.8 21.2

21.1

Left

21.2

04.8 21.1

Star $\overset{u}{\underline{m}}$ again.

Left

10 05.4 21.1

21.0

Right.

21.3

07.8 21.2

Region getting low, for faint star measurements.

March 23, 1900

Selection of Standards near
R Geminorum W Ob.

7 00 +22.8
10 44
3 44

Posted.

✓	No. 52	mag 12.1
✓	47	11.8
✓	55	12.3
✓	49	11.8
✓	46	11.7
✓	51	12.0
✓	50	11.9
✓	53	12.1
✓	36	11.3
✓	44	11.6

Phot. T. X Herculis W Ob.

15 58 +47.6
10 58
5 00
6 00

see next page for
measurements

March 23, 1900.
X Herculis.

Ledgered
Plotted
Posted.

Above & Right
167.2
1050.0 216.8 49.6
300.2 46.0
36.2 95.6 − 1.77

(− 1.76)

170.7
217.9 47.2
349.0 48.7
37.7 95.9 − 1.76

Below & Left
769
130.9 54.0
258.7 49.0
307.7 103.0 − 1.58

mean = − 1.67

(− 1.58)

80.4
1056.0 128.7 48.3
1053.0 255.4 54.7
5 − 26 310.1 103.0 − 1.58
1050.4 Gr M time.
5702.660
5078.000
+24.660

Posted

March 28, 1900

Same Again

~~Below & Left~~

77.0

1057.4 132.2 55.2

258.5 48.9

307.4 104.1 -1.56

78.7 (-1.55)

128.7 50.0

255.7 54.7

310.4 104.7 -1.54

Above & Right. Mean = (-1.60)

346.6

38.7 52.1

169.3 50.1

219.4 102.2 -1.60

350.5 (-1.66)

11 03.0 36.4 45.9

11 00.2 167.7 57.4

5 -2.6 219.1 97.3 -1.72

10 57.6 Gr. M. Time. Final Mean = (-1.64)

5102.665

5078.000

+24.665

Pos Angle Var A. 174°

Sprocket Wheel B System 6.4

" " C " -7.5

March 24 (Saturday)

Bond 394 ~~A. O. Dent~~
6 57 0.0 7 0.0 325
6 58 0.0 7 01 325
Phot T. T. Monocerotis. W Obs.
9.5 cap used.

6 17 +7.2
7 53
1 36

Plotted
Ledgered

R O Above
350.0
747.0± 35.2 45.2*
173.0 39.5*
212.5 84.7* −2.96*
353.6 (−2.04*)
32.9 39.3*
170.0 46.4*
216.4 85.7* −2.03*
L O Below
258.4 mean = −1.95*
306.8 48.4*
81.7 43.3*
125.0 91.7* −1.87*
262.0
760.2 305.0 43.0* −1.86*
97.2* 78.8 49.3*
748.6* 128.1 92.3* −1.85*
5 −3.6
12 45.0* Dr. M Time.
5103.031*
5090.094
+12.637*

March 24, 1900

Same Again

II

Lq Below

259.0
7 53.0 307.6 48.6ˣ
82.0 43.3ˣ
125.3 91.9ˣ −1.86ˣ

(−1.86ˣ)

261.5
304.3 42.8ˣ
79.1 49.3ˣ
128.4 92.1ˣ −1.86ˣ

Right & Above Mean = −1.92

170.4
215.3 44.9ˣ
351.5 41.9ˣ
33.4 86.8ˣ − 2.00ˣ

(−1.98ˣ)

171.4
8 00.0 265.3 43.9ˣ
7 56.5ˣ 351.2 44.0ˣ
5 − 3.6 35.2 87.9ˣ − 1.97ˣ

12 52.9ˣ G. M. Time
0703.637ˣ
0090.094
+13.443ˣ

March 24, 1900

Same Again

III

R & Above

350.0

8 13.3   35.0   45.0″

172.3   41.0″

213.3   86.0″   -2.02″

351.1   -2.03″

33.7   42.6″

172.3   42.7″

215.0   85.3″   -2.04″

L & Below

260.0   Mean = -1.94″

306.5   46.5″

80.5   45.1″

125.6   91.6″   -1.87″

260.0   -1.86″

8 20.8   305.4   45.4″

34.1″   79.6   46.8

8 17.0″   126.4   92.2   -1.86″

5 - 3.6

13 13.4 Gr. M. Time.   Final Mean = -1.94″

5103551″

5090.094

+13457″

Poz. Angle Ver. A 262.1

Sprocket Wheel A = -25

" " B = -15

March 24, 1900

Phot W. T Cassiopeiae W Ok.

0 19 +55.9
8 59
8 60

R & Below ~~Plotted~~
150.6 < comp star dis Ledgered
8 52.6 210.6 60.0×
331.1 61.6×
32.7 121.6 +1.16×

149.8 (+1.14×)
213.6 63.8×
331.6 59.6×
31.2 123.4× +1.12×
L & Above. Mean + 1.15
61.2
118.2 57.0×
237.4 66.0×
303.4 123.0× +1.13×

61.6 +1.16×
9 00.0 122.7 61.1×
11 26× 241.6 58.5×
8 56.3× 300.1 119.6 +1.20×
5 -3.4
13 52.9× Gr. M. Time
5 108.578×
~~5~~

March 24. 1900

Same Again.

L & Above.

9 0 30 61.6
121.0 59.4^{x}
237.6 $6\,40^{x}$.
301.6 123.4^{x} $+1.12^{*}$

60.9 $(+1.15^{*})$
122.8 61.9^{x}
241.9 58.8^{x}
300.7 120.7^{x} $+1.18^{*}$
R & Below
331.3 mean $=+1.14^{x}$
30.5 59.2^{x}
150.3 63.2^{x}
213.5 122.4^{x} $+1.14^{*}$

330.3 $+1.14^{*}$
9 11.0 33.3 63.0^{*}
151.1 59.6
9 07.0 210.7 122.6^{x} $+1.14^{+}$
5-34
14 3.6 Gr. M. Time
5103.586

Final Mean $=+1.14^{*}$

March 24, 1900

Meas of comps stars d, k, & r.
for R camelop with
Phot X W Obs.

14	40	+84.1
9	45	
4	55	
7	05	

Meas of Star r.

10 ~~23.0~~		
~~13 0~~	~~27.2~~	
10 24.1	26.3	Right.
	26.1	"
	26.8	"
26.6	26.8	"
		Same Again
27.9	26.1	
	26.1	Right
	25.8	
29.7	26.2	
		Same Again
30.4	25.8	
	26.1	
	26.7	Right.
10 32.3	26.2	

March 24, 1900

Meas of Star d.

~~10 346 12.8~~ ~~Right.~~
~~11.3~~

Right.

10370 12.4
10.9
11.3
38.6 11.8

Same Again

39.3 11.8
11.3
12.2
40.6 10.8

Same Again

41.6 11.9
9.3
12.1
43.5 11.7

March 24, 1900

Meas. of Star k.
Right.

10 46.3	20.3
	19.4
	20.2
47.4	20.2
47.8	20.5
	20.5
	20.7
49.2	20.5
49.6	20.5
	20.6
	20.4
51.1	20.9

March 24, 1900

Phot T. R Camelop. W Ob.

Above & Right

64.0 < comp. star dis = star C.

11 06.0 184.1 77.1

243.9 79.2 Plotted.

323.1 156.3 +0.45 Ledgered

61.6 82.7 +0.42

184.3

284.6 77.2

321.8 159.9 +0.38

L & Below

33~~8~~6.5 73.7

~~1~~50.2

154.2 75.1

229.3 148.8 +0.60

333.6 76.4 0.58

11 13.8 50.0

20.0 155.8 74.7

11 10.0 230.5 151.1 +0.55

5 −3.2

16 6.8 Gr. M. time. mean = 0.50

5 103.672

Postett

March 24, 1900

Same

L O Below

336.1 73.6

10 15.0 49.7

153.3 76.6

229.9 150.2 +0.57

335.3 74.7 +0.58

50.0

156.3 74.1

230.4 148.8 +0.60

R O Above

244.4 76.7

321.1

63.0 80.3

143.3 157.0 +0.44

243.0 80.0 +0.44

11 22.0 323.0 77.7

37.0 64.2 157.7 +0.43

11 18.5 142.9 Mean =+0.51

5 −5.3

16 13.2 S.M. Time

5 103.676

Pos. Angle Ver a = 118.2

Sprocket Wheel B = −1.5

C = −0.8

Final Mean = +0.50"

March 27, 1900 (Tuesday)

Bond 394 H & Dent
7 00 0.0 7 04 47.3
7 01 0.0 7 05 47.5
Phot T. T. Monocerotis W Abz.
9.5 cap used.
6 17 +7.2
R ⊕ Above 7 47 Plotted
168.3 1 30 Ledgered
7 33.0 218.6 3* 30.6
352.0 421*
34.1 92.4* -1.85*
171.9 -1.90*
213.8 41.9*
348.6 47.0*
35.6 88.9* -1.94*
L ⊕ Below
mean = -1.80*
77.1
131.3 54.2*
259.2 45.2*
304.4 99.4* -1.67*
81.7 -1.71*
7 43.0 126.6 44.4*
7 38.0 255.7 52.0*
5-4.8 307.7 96.4* -1.75*
1233.2 Gr m time
5106523*
5090094
+16.429*

March 27, 1900

Same Again.

L & Below.

78.0
7 46.0 130.8 52.8+
259.0 46.0+
305.0 98.8+ − 169+

80.3 −1.~~70~~ 69+
128.2 47.9+
256.7 50.7+
307.4 98.6+ −1.~~70~~ 69+

R & Above Mean = −1.76+

349.8
363 46.5+
170.3 46.7+
2170. 93.2+ −183+

183+
~~177~~

350.9
7 56.0 35.9 45.0+
7 51.0+ 169.4 48.3+
5 − 4.8 217.7 93.3+ −1.83+
12 46.2+ G.M. time
5106.532+
5090.094
+16.438+

March 27,

Same Again

R & above

350.2
8 05.0 ~~00.~~ 36.0 45.8+
170.4 46.0+
216.4 91.8+ -1.87+

-1.85+

349.7
35.2 45.0+
169.8 47.5+
217.3 93.0+ -1.83+

L & Below mean = -1.78

208.5
307.6 49.1+
80.8 47.4+
128.2 96.5+ -1.74+

258.3 -1.70+
8 13.6 306.0 47.7+
18.6+ 77.5 51.7+
8 09.3+ 129.2 99.4+ -1.67+
5 - 4.8
134.5+ Gr. M. Time Final Mean = -1.78
5106.544+ Poz. angle Zer a. 263.3
5090.094 Sprocket Wheel α = -2.5
+16.450+ " " β = -1.6

March 27, 1900.

Meas of comp stars ~~a~~ g, ~~k~~ m, & r
for R camelop with Photo X

14 40 +84.1
9 00
5 40
~~4~~6 20

Blue glass on the
Star ~~g~~ r following

9 23 10 22.6 Right
22.3
~~25~~ 22.2
25 30 22.5

Star m
Right

~~26 65~~
27 08 19.3
18.8
18.6
28 57 19.1

Star g

~~29 3~~
30 22 9.4
9.5
10.7
32 50 9.6

March 27, 1900

Star r again.

9 38 40 21.8
22.5
22.4
41 30 22.2

Star m again.

42 30 18.9
19.3
19.1
44 04 18.8

Star g again.

45 00 9.2
7.8
7.7
47 55 8.3

---

49 40 22.2 Star r again
22.3
22.5
51 38 21.8

---

53 00 19.1 Star m again.
19.3
19.3
54 33 18.8

---

55 36 10.8 Star g again.
8.7
9.6
57 38 10.8

March 27, 1900
Same again with
Blue glass taken out.

Star r

10 08 45	24.3
	23.5
	24.8
10 10	24,6

Star m

11 06	22.8
	21.5
	21.3
12 33	21.4

Star g

13 05	14.2
	13.4
	14.8
14 10	14.3

Star ~~m~~ r again

16 50	25.3
	25.1
	24.4
17 55	24.0

Star m again

18 27	21.8
	21.1
	20.7
21 40	20.6

March 27, 1900

Star g again.

10 22 17	13.6
	13.9
	13.3
23 13	14.0

Star r again.

24 46	24.5 –
	24.3
	24.3
26 18	23.8

Star m again.

27 05	20.8
	20.0
	20.6
28 35	20.5

Star g again

29 15	14.6
	12.9
	13.2
30 33	13.6

March 27, 1900
Phot T. R Ursae Minoris W Ok

16 34 +729
14 07
5 27

L & Below 6 33

337.3 < comp star dis.
10 46.0 51.4 74.1
159.5 68.5
228.0 142.6 +072

Plotted
L & good.

+070

337.7
48.4 70.7
150.9 73.7
229.6 144.4 +0.69
R & Above mean: +0.64

245.0
322.4 77.4
66.9 72.9
139.8 150.3 +057

246.8 +0.58
10 53.0 318.0 71.8
99.0 64.6 76.8
10 49.5 141.4 148.6 +0.66
5 -4.0
15 44.5 Gr. M. Time.
5106.656

March 27, 1900

Same Again

R & Above

242.6

10 55.0 320.7 78.1

67.8 70.6

138.4 148.7 + 0.60

245.7 + 0.59

318.5 72.8

64.8 77.1

141.9 149.9 + 0.58

L & Below

157.8 Mean = +0.63

229.0 71.2

337.2 71.7

48.9 142.9 + 0.72

158.6 +0.67

11 01.6 228.6 70.0

116.6 334.0 77.8

10 58.3 51.8 147.8 + 0.62

5 - 5.0 Final Mean = +0.64

1553.3 Gr. M. Time. Pos. Angle per A = 318.9

5 - 106.662. Sprocket Wheel B = 5.5

1" " C = 4.8

Posted.

March 27, 1900

~~Meas. of comp. stars d, k, & r. for R Camelop. with phot. X~~

~~14 40 +84.1~~
~~8 55~~
~~5 45~~
~~6 15~~

March 28, 1900.

On Monday March 26, Frodsh. 3451 ran down and was reset. L.C.

March 2~~7~~8, 1900 (Wednesday)

Bond 39K a o Dent
6 57 0.0 7 02 07.0
6 58 0.1 7 03 07.0
Phot T. T. Monocerotis W. 6h
9.5" cap used.
6 17 +7.2
8 12
1 30

R & Above
168.3 Ledgered.
7 46.0 219.2 50.9 Plotted.
351.8 43.0 Posted.
34.8 93.9 -1.81
172.0 -1.85
215.1 43.1
348.6 47.8
36.4 90.9 -1.89
L & Below Mean = -1.76
75.1
128.3 53.2
261.3 44.3
305.6 97.5 -1.72

78.9 -1.68
7 54.4 127.1 48.2
100.4 257.0 52.4 5107.531
7 50.2 309.4 100.6 -1.64 5090.094
5 - 5.1 +17.437
12 45.1 Jn McTime

March 28, 1900

Same Again II

Lt Below
76.1
7 58.2 129.5. 53.4
258,6 47.6
306,2 101.0 −1.63

80.2 −1.66
128.4 clouds 48.2
258.2 50.0
308.2 98.2 −1.70

Right & Above Mean = −1.75
347.5
35,3 47.8
170.1 47.4
217.5 95.2 − 1.78

350.5 1.84
8 09.4 30.5 45,0
127.6 170,8 45,9
6
8 3.8 217.7 90,9 − 1.89
5 −5.1
12 58.7 Gr. M. Time.
5107.540
5090.094
+17.406

March 28, 1900

Same Again ~~III~~

R & Above

350.5
8 17.4 | 37.2 46.7
170.~~4~~5 45.7
216.2 92.4 −1.85

−1.81

349.8
35.3 45.5
169.0 49.8
218.8 95.3 −1.77

L & Below

mean = −1.74

257.6
307.5 49.9
79.9 47.0
126.9 96.9 −1.73

−1.66

257.2
8 25.0 | 306.9 49.7
8 42.4 | 77.4 52.7
8 21.2 | 130.1
5 − 5.1
13 16.1 Gr. M. Time. 102.4 −1.60
5107553 Final mean = −1.75
5090.094 Pos Angle Ver. a = 261.6
+17.459 Sprocket Wheel a = # −2.5
β = − −1.5

This Book

posted ~~the~~ to the end