KG
11365
5.46

KG 11365.546

R 123

KG 11365.546

HARVARD
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March 1, 1901 cont from
Previous Book.

Nova Persei

~~III~~

Led. Plot.
Post.

Left
293.6
10 46.0 306.2 12.6^{x}
115.4 10.9^{x}
126.3 23.5^{x} — 494^{x}

294.9 -492^{x}
305.9 11.0^{x}
114.6 13.0^{x}
127.6 24.0^{x} — 489^{x}

Right Mean = 4.93^{x}
205.4
217.8 124^{x}
26.2 11.1^{x}
37.3 23.5^{x} — 494^{x}

206.4 -4.94^{x}
10 54.3 217.6 11.2^{x}
10 50.1 25.3 123
5 + 0.1 37.6 235^{x} - 494^{x}
15 50.2 ^{x} Gr. M. T.
5445.660 ^{x}

March 1, 1901

nova again IV

Right
205.4
10 56.2 218.1 12.7
25.6 11.8
37.4 24.5 − 4.85

206.6 − 4.94
217.6 11.0
25.6 11.6
37.2 22.6 − 5.02

Left Mean = − 4.92
115.6
127.1 11.5
294.4 12.0
306.4 23.5 − 4.94

115.3 − 4.90
11 05.0 127.9 12.6
121.2 294.1 11.9
11 00.6 306.0 24.5 − 4.85
5 + 0.1 Pos Ang = 253.6
16 00.7 Gr.M.T. Spr Wheel = A 2.5
5445.667 " " = B 3.6

Final Mean = −4.91
C.S. = 7.25
Magn = 2.334

March 1. 1901. Posted.

B. + C. 11A2.	B. 394.
11 27 56.5	11 28 0.0
28 56.2	29 0.0
29 56.0	30 0.0
30 56.0	31 0.0
21 41 02.6	21 41 0.0
21 42 02.5	21 42 0.0
21 43 02.5	21 43 0.0

Posted

March 2, 1901 (Saturday)

Vesta

Phot T. 8 54 +24.6 w Obj

6 04

250

9 10 7 in cap

7 18 Clouds

7 20 clouds thick.

Clouds coming heavy, no chance for Vesta

Phot T. Nova Persei w Obj

3 24 +43.6

6 24

3 00 7 in cap

7.35 Clouds thick

7 50 clouds thick

B+C 1182

7 53 15.2

7 54 15.2

B 394

7 53 0.0

7 54 0.0

8 20 Clouds thick

9 10 " "

3 24

8 14

4 50

9 30 Sky all thickly cloudy with no prospect of clearing

Mar 3. 1901 (Sunday) Posted.

β & C 1182	B 394
21 13 29 5	21 13 0.0
21 14 29.5	21 14 0.0

Posted.

Mar. 4, 1901 (Monday)

B8 CM82	B 394
21 18 51.0	21 18 0.0

1901phae.ploj..547W

March 5, 1901 (Tuesday)

Cloudy first part of evening: slightly broken at 8:45.

Phot T. Nova Persei WCk.

3 26 +43.6

B&C 1182 B 394

9 28 04.6 9 27 0.0

St 8:35 = at 9:28 M.T.

3 26 +43.6

8 38

5 14

9 20 Cloudy

9 38 clouds thick

10 00 Cloudy

10 07 Clouds thick and continuously so no chance for Nova

B&C 1182 B 394

21 20 15.5 21 19 0.0

March 6, 1901 (Wednesday)

B&C 1182 B 394

7 08 20.2 7 07 00

Phot w o Ceti w Obs

2 12 − 3.6

6 22

4 10 Ledgered

L.Wa.

125.4 < var dis

7 20.0 199.6 74.2×

302.8 80.7×

23.5 154.9× −0.48×

−0.44×

122.6

203.~~8~~6 81.0×

3046 77.7×

~~1~~22.3 158.7× −0.41×

R.&B Mean = −0.50×

3~~0~~5.0

110.2 75.2×

21~~4~~5.6 76.3×

291.9 151.5× −0.55×

34.3 −0.56×

7 29.0 110.2 75.9

7 24.5 214.7 74.0×

5 −7.3 288.7 149.9× −0.58×

12 23.2× Gr. M.T.

5450.516×

March 6, 1901

Same Again

R & B

35.8

7 32.0 109.5 73.7 ×

210.5 80.9 ×

291.4 154.6 × −0.49 ×

35.8 −0.53 ×

111.5 75.7 ×

215.8 74.6 ×

290.4 150.3 × −0.57 ×

L & R Mean = −0.46

304.8

23.2 78.4 ×

120.6 81.5 ×

202.1 159.9 × −0.38 ×

302.5

7 40.8 23.0 80.5 × −0.38 ×

7 36.4 123.0 79.8 ×

5 −1.3 202.~~4~~8 160.3 × −0.38 ×

12 35.1 × Gr. M. Time

5450.52K × Final mean = −0.48 ×

C.S. = 9.19

Magn = 8.71 ×

March 6, 1901

Phot T. Nova Persei W Ob

3 24 +43.6

7 04 Ledgered

3 40 Plotted

L & A. 7 in cap used on Nova Persei

113.4

8 19.0 130.4 17.0 ×

292.0 16.2 ×

308.2 33.2 × − 4.18 ×

− 4.16 ×

114.4

129.9 15.5 ×

290.2 18.3 × − 4.14

308.5 33.8 ×

1293 Mean = − 4.22 ×

22.6

40.6 18.0 ×

204.9 13.6 ×

218.5 31.6 × − 4.29 ×

− 4.28 ×

25.6

8 29.8 39.8 14.2 ×

8 24.4 203.4 17.5 ×

5 −1.3 220.9 31.7 × − 4.28 ×

13 23.1 × Gr. M. Time

5450.558 ×

March 6, 1901.

Nova Again

R+B

22.7
8 32.6 40.0 17.3 x
205.5 14.4 x
219.9 31.7 x - 4.28 x

24.1
39.1 15.0 x - 4.22 x
203.4 18.4 x
221.8 33.4 x - 4.17 x

L+a Mean = - 4.1~~8~~7
290.8
309.3 18.5 x
113.6 15.6 x
129.2 34.1 x - 4.12 x

293.1
~~844.0~~ 309.1 16.0 x - 4.12
838.3 113.1 17.9 x
5 - 1.3 1 0 ~~0.8~~ 1.0 33.9 x - 4.13

13 37.0 x Gr. M. Time Final Mean = - 4.20 x
5450.567 x

C.S. = 7.25 x

Magn = 3.05 x

Pos. angle = 521.8

Sp. Wheel = 2.5 a

" " = 3.6 B

Mar. 6. 1901.

Eros. Plot. I. Fr. Bs.

√ 44 0.✓	+12 41✓	
47 36.✓	+12 21✓	
+3 36.✓	−20.✓	

	√ 44 0.✓	+12 41.✓
	+36.✓	−3 ✓
Eros. (√√) =	√ 44 36.✓	+12 38.✓
+12° 926 (8.9) =	√ 44 12.✓	+12 32.✓
	+24.✓	+6.✓

5 ~~2~~1 +12.6
8 45
3 04

216

8 49 S.T. a star follows +12° 926 (8.9) by 10 secs & 5.3 N of it.

8 51 S.T. another follows +12° 926 (8.9) 23 secs & 1.8 N of it.

Comp Star = +12° 925 (8.4)

March 6, 1901

Eros with (8.4)

Above   Ledgered

106.8 < comp * dis

957.0 139.3   32.5x

283.2   34.9x

318.1   67.4x + 2.59x

104.9   + 2.54x

140.5   35.6

284.0   34.7

318.7   70.3 + 2.50

Below   Mean = + 2.60

16.3

48.1   31.8x

194.2   33.4x

227.6   65.2x + 2.67x

13.5   + 2.66x

10 07.0 47.6   34.1x

10 02.0 195.5   31.5x

5 - 1.3 227.0   65.6x + 2.66x

15 0.7 Gr. M. Time

5450.626x

March 6, 1901

Eros again -

Below

141
10 10.0 47.4 33.3+
193.9 3 42+
228.1 67.5+ 2.59+

13.4 + 2.57+
47.0 33.6+
194.2 35.1+
229.3 68.7+ + 2.55+

Above Mean = + 2.40+
280.9
320.4 39.5+
101.1 41.6+
142.9 81.1+ + 2.16+

280.4 + 2.22+
10 18.0 321.5 41.1+
10 14.0 103.5 36.5+
5 -1.3 140.0 77.6+ + 2.27+
15 12.7+ Ga.M.T.
5450.634+

March 6, 1901.

Above

101.7
10 45.4 141.7 40.0 ×
280.4 42.1 ×
322.5 82.1 × + 2.13 ×

100.9 × + 2.14 ×
142.1 41.2
281.9 40.1 ×
322.0 81.3 × + 2.16 ×

Below Mean = + 2.22

12.8
49.2 36.4 ×
192.1 40.6 ×
232.7 77.0 × + 2.28 ×

10.9 + 2.30 ×
10 56.0 51.9 41.0 ×
101.4 195.3 35.0 ×
10 50.7 230.3 76.0 × + 2.32 ×
5 -1.3
15 -49.4 Gr. M.T.
10:14 S.T. Eros now follows 22.5 + 4.0 s of it (the reference star)
5450.659 ×

Eros seen to be ~~faint~~ ^very perceptibly^ brighter with reference to adjacent faint star at end of observations than when observations were begun.

Posted.

Mar. 6. 1901.

B. + C. 1182.

11	16	21.5
	17	21.2

B & C 1182

21	17	19.1
	18	19.1

B. 394.

11	15	0.0
	16	0.0

B 394

21	16	00
21	17	00

Mar 7, 1901 (Thursday)

B&C 1182 B 394
6 57 29.1 6 56 00
Phot T. β Persei. w Obs.

3 2 +40.6
6 15
3 13

L&a 7 in cap used
290.4
7 12 52 311.6 21.2
110.5 23.7
134.2 44.9 -3.51

288.5 -3.49
15 52 313.4 24.9
111.8 20.8
132.6 45.7 -3.47
R&B.
197.8 -3.50
20 40 221.5 23.7
~~23~~ 19.9
43.7 43.6 -3.58
200.6
23 40 221.5 20.9 -3.52
20.2 25.3
45.5 46.2 -3.45

Reject see next page
for reason.

Mar. 7, 1901

II

R&B

198.5

7 35 55 221.2 22.7

23.5 20.2

43.7 42.9 − 3.61

198.9 − 3.57

34 05 219.7 20.8

22.9 23.7

46.6 44.5 − 3.53

L&A

110.2 mean − 3.55

42 28 137.5 27.3

292.2 17.1

309.3 44.4 − 3.54

112.1 − 3.53

7 46 52 134.6 22.5

289.7 22.2

311.~~8~~9 44.7 − 3.52

Rejected; wrong cap used
images irregular & out of
shape.

March 7, 1901

6 in cap. used henceforth

~~III~~ Led.

I Plott.

L & a

107.6

8 03 45 137.9 30.3^{x}

288.8 22.7^{x} Lt. Eq. = +0020^{x}

311.5 53.0^{x} − 3.14

−3.10^{x}

~~1~~ 109.5

06 24 135.1 25.6^{x}

286.0 29.3^{x}

315.3 54.9^{x} − 307^{x}

R & B Mean = −3.12^{x}

18.2

1006 47.1 28.9^{x}

~~20~~ 199.5 24.4^{x}

223.9 53.3^{x} − 3.13^{x}

−313^{x}

21.2

8 12 2~~4~~5 45.6 24.4^{x}

3 2 40 ~~4~~ 198.1 28.9^{x}

8 08 10^{x} 227.0 53.3^{x} − 313^{x}

5 −1 29

13 06 41^{+} G.M. Time.

5451.5463^{x}

5451.5457

0.0006^{x}

Mar. 7, 1901

II

R & B

17.8

8 21 40 46.3 28.5 ×

199.5 24.0 ×

223.5 52.5 × – 3.16 ×

20.6

– 3.10 ×

23 36 46.0 25.4 ×

197.~~8~~4 30.0 ×

~~27~~ 227.~~8~~4 55.4 × – 3.04 ×

Mean = – 3.10 ×

L & a.

287.1

30 33 314.4 27.3 ×

108.2 26.4 ×

134.6 53.7 × – 3.11 ×

288.0

– 3.10 ×

8 32 45 312.7 24.7 – ×

108 34 106.9 29.7 ×

8 27 08 × 136.6 54.4 × 3.08 ×

5 – 1 29

13 25 39 × G. M. T.

5451.5~~4~~594 ×

5451.5457

0.0837 ×

Mar. 7, 1901

III

L & a

284.5

8 39 00 314.7 30.2 +

107.6 27.5 +

135.1 57.7 +

— 2.95 +

286.0 — 2.90 +

40 43 315.4 29.4 +

106.7 30.5 +

138.7.2 59.9 + — 286 +

R & B Mean = -2.98

197.8

44 35 227.1 29.3 +

18.7 — 26.6 +

45.3 55.9 + — 3.02 +

199.4 — 3.07

8 46.35 225.2 25.8 +

17 0 53 18.0 27.6 +

8 42 43 45.6 53.4 + — 3.02

5 - 1 29

13 41 14 + 1/2 m.t.

5451.5702

5451.5457

0.0245 +

Mar. 7, 1901.

IV

R+B
196.3
8 50 13 226.6 30.3
18.0 27.5
45.5 57.8 −2.94

198.4 −2.98
52 20 226.6 28.2
17.8 27.8
45.6 56.0 −3.02

Mean = −2.94

L+a.
107.5
55 05 136.7 29.2
28.5.2 30.2
315.4 59.4 −2.88

106.4 −2.91
8 58 22 136.3 29.9
16 00 285.9 28.0
8 54 00 ~~314.6~~ 57.9 − 2.9
5 −1 29 313.9
13 52 31 G.M.T.
5451.5782
5451.5457
0.0325

March 7, 1901

V

Lta.

108.0
9 13 00 136.1 — 28.1
286.9 — 26.9
313.8 — 55.0 — 306

— 3.04

107.5
15 05 135.9 — 28.2
286.4 — 27.6
314.0 — 55.8 — 302

R&B. — Mean = — 3.12

19.3
45.6 — 26.3
18 00 198.5 — 24.3
222.8 — 50.6 — 3.24

— 3.21

19.6
9 19 55 45.9 — 26.3
26 00 198.4 — 25.7
9 16 30 224.1 — 52.0 — 3.18
5 - 1 28
14 15 02 G.M.T.
5451.5937
5451.5457
0.0480

Mar. 7, 1901

VI

RTB

20.4
9 26 55 44.0 23.6 +
199.6 25.7 +
225.3 49.3 + −3.30 +

19.6 −3.25 +
29 35 44.5 24.9 +
198.2 26.8 +
225.0 51.7 + −3.20 +

LtA. Mean = −3.22 +

287.8
32 45 313.8 26.0 +
108.5 26.4 +
134.9 52.4 + −3.17 +

−3.18 +
287.2
9 34 55 313.6 26.4 +
124 10 + 109.2 25.7 +
9 31 02 134.9 52.1 + −3.18 +
5 −1 28
14 29 34 + Gr. M. Time.
5451.6039 +
5451.5457
+0.0582 +

Mar. 7, 1901

VII

L & a

287.6

9 41 25 314.0 26.4+

109.6 24.0+

133.6 50.4+ −3.25+

289.3 −3.24+

44 00 313.7 24.4+

108.1 26.2+

134.3 50.6+ −3.24+

R & B Mean = −3.28+

197.4

46 60 224.4 27.0+

21.1 23.0+

44.1 50.0+ −3.27+

200.4 −3.32+

9 48 35 223.5 23.1+

20 40 19.3 24.6+

9 45 10+ ~~44.6~~ 47.7+ −3.38+

5 −1 28 439

14 43 42+ Gr. M. Time.

5451.6137+

5451.5457

+0.0680+

Mar. 7, 1901.

VIII

R + B

200.0

9 52 55 224.7 24.7×

20.0 22.8×

42.8 47.5× − 339×

200.7 −336×

54 55 224.2 23.5×

18.9 24.9×

43.8 48.4× − 334×

L + A Mean = − 337×

109.7

9 58 00 132.8 23.1×

289.8 22.8×

312.6 45.9× − 346×

109.5 − 338×

9 59 50 132.9 23.4×

25 40 287.1 25.7×

9 55 ~~04~~ 08 312.8 49.1× − 331×

5 − 1 28

14 53 40× Gr. M. Time

5451.6206×

5451.5457

+ 0.0749

March 7, 1901

IX

Lta

~~109.4~~

10 20 35 ~~132.9~~ ~~23.5~~

~~288.8~~ ~~23.8~~

~~312.6~~ ~~47.3~~ -3.40

~~110.0~~ –

23 15 ~~132.9~~ ~~22.9~~

~~288.0~~ Clouds

31 –

RtB

mean =

Reject stopped by clouds

Phot T. Nova Persei w 6b

3 24 +43.6

9 55

6 31

10 45 clouds thick.

11 00 clouds thick impossible to get Nova Persei

BAC 1182

11 05 28.2

06 28.4

B 394

11 04 0.0

05 00

Posted

Mar. 7, 1901

B + C 1182	B 594
21 11 32.0	21 10 00
12 32.0	11 00

~~Ledgered~~

Posted

Mar. 8, 1901 (Friday)

B8C1.182	B394
21 10 42.1	21 09 00
21 11 421	21 10 00

Posted

Mar. 10, 1901 (Sunday)

B&C 1182	B 394
21 10 01.2	21 08 0.0
21 11 01.2	21 09 0.0

Mar. 11, 1901 (Monday) Posted.

B&C 1182
21 09 40.1
10 40.1

B 394
21 07 0.0
08 0.0

Mar. 12, 1901 (Tuesday)

B&C 1182 B 394
7 07 51.6 7 05 0.0

Phot T. Eros. w Ob.

6 v 36 +10 49
9 6 +10 31
3 30 -18

6 v 36 +10 49
+10 -1
Eros. v v = 6 v 46 +10 48
v 10 +10 40
+10° 10 v 0 (6.v) +36. +8.

6 5 +10.7 210
6 58
0 53

7:07 S.T. ~~Eros~~ star ~~follows +10° 1050 (6.5) 38 secs & is 8.'2 N of it.~~

7:08 S.T. ~~Eros follows +10° 1056 (9.5) 1 sec & 4.'2 S of it.~~

4.7 5.0

Mar 12 1901,

7:38 S.T. 15.5 preceding

7:4$\overset{4}{\cancel{7}}$ S.T. b fols a by 6 secs
c fol b by 5.5 secs,

~~&~~ 7:$\overset{46}{\cancel{57}}$ d prec x 1$\overset{6}{\cancel{7}}$ secs
e fols x 17.5 secs

7:53

7:57 Eros fols +10° 1056 (9.5) 6.5 sec & 7 S of it

comp Star = +11° 1071 (9.4)

see next page

Mar. 12, 1901

Eros with (9.4)

I

L&a

96.9 < comp. ✶ dis.

8 32.4~~8~~ 146.1 49.2× Ledgerock

276.3 52.8×

329.1 102.0× + 1.61×

36

35.~~6~~ 95.9 + 1.64×

146.6 50.7×

277.3 49.2×

326.5 99.9× + 1.66×

R&B

Mean = +1.66×

8.0 ×

39 33 57.6 49.6

186.9 49.2×

236.1 98.8× +1.69×

7.9 1.67×

8 42 25 56.1 48.2×

15.0 22 187.0 52.2×

8 37 36 239.2 100.4× + 1.65×

5 - 2 52

13 34 04 G.M.T ×

5456.5727

March 12, 1901

II

RTB

~~5.2~~

8 ~~48~~ 00 ~~58.2~~

~~188.9~~

~~237.5~~

~~530~~

~~48.6~~

~~101.6~~

~~6.9~~ clouds

~~1~~

RTB

9 02 20 ~~1~~ 6.5

~~2~~ 57.5 51.0

~~L&a~~ 185.6 52.2

237.8 103.2 + 1.58

7.0

9 05 10 58.4 51.4 + 1.59

187.9 49.9

237.8 102.3 + 1.60

L&a Mean = +1.53

274.7

09 12 327.3 52.6

95.1 55.0

150.1 107.6 + 1.47

273.7 + 1.47

9 11 07 330.1 56.4

27 49 97.2 51.3

9 06 57 148.1 107.7 + 1.47

5 - 2 53

March 12, 1901

III

L+a:

275.4

9 15 00 328.4 53.0

94.4 55.4

149.8 108.4 +1.45

272.4 +1.46

17 25 329.4 57.0

96.8 51.0

147.8 108.0 +1.46

R+B

Mean = +1.50

186.4

21 38 237.6 51.2

~~4~~ 5.3 54.1

59.4 105.3 +1.53

185.0 1.55

9 24 50 238.5 53.5

~~8~~ 7.8 50.0

88 53 57.8 103.5 +1.57

9 22 13

5 − 1 53

14 20 20 Gr. M.T.

5456.5970

March 12, 1901

IV

RDB

9.4
9 36 40 55.0 55.6 ×
187.4 47.0 ×
234.4 102.6 × + 1.59 ×

8.5 + 1.72
39 50 56.0 47.5 ×
189.7 44.8 ×
234.5 92.3 × + 1.85 ×

LBA Mean + 1.84
279.1
43 50 324.6 45.5 ×
99.8 45.7 × 1.88 ×
145.5 91.2 × + ~~1.91~~

276.4 + 1.90 ×
9 46 52 323.7 47.3 ×
16 7 1 2 100.8 42.8 ×
9 41 48 × 143.6 90.1 × + 1.91 ×
5 - 2 5.3

× Error rather near a faint star in above group.

14 38 55 Gr. M.T.

5 40 56 6103 ×

March 12, 1901

V

Lta

278.0
9 53 39 323.3 45.3^{x}
100.8 43.2^{x}
144.0 88.5^{x} + 1.95^{x}

+ 2.02^{x}
281.0
57 21 323.0 42.0^{x}
102.1 41.7^{x}
142.8 83.7^{x} + 2.09^{x}

RHB

Mean = + 2.14

192.6
10 02 10 232.3 39.7^{x}
12.4 40.0^{x}
52.4 79.7^{x} + 2.20^{x}

+ 2.25^{x}
191.3
10 06 18 231.3 40.0^{x}
239 28 13.5 36.5^{x}
9 59 52^{x} 50.0 76.5^{x} + 2.30^{x}
5 - 2 53
10 56 59^{x} Gr M.T.
5456.6229^{x}

March 12, 1901

VI

R&B
194.4
10 14 25 230.5 36.1×
13.8 36.1×
49.9 72.2× + 2.43×

2.2
19~~7.5~~ + 2.48×
18 20 229.3 37.1×
16.8 32.6×
49.4 69.7× + 2.52×

L&a Mean = + 2.54×
104.8
23 50 138.6 33.8×
284.1 32.5×
316.6 66.3× + 2.63×

105.7 2.61×
10 26 40 138.8 33.0×
8 3 10 -284.3 34.7
10 20 49 319.0 67.7 + 2.59×
5 - 2 53
15 17 56 Ha.M.T.
5436.6305×

March 12, 1901

VII

Lta.

104.4

10 33 27 140.0 35.6^x

283.5 36.5^x

320.0 72.1^x + 2.44^x

105.2 + 2.42^x

36 00 141.1 35.9^x

283.0 37.0^x

320.0 72.9^x + 2.41^x

R&B. Mean = + 2.35^x

13.5

40 05 51.1 37.6^x

192.7 38.5^x

231.2 76.1^x + 2.31^x

121 + 2.28^x

10 42 43 50.9 38.8^x

15.2 15 192.2 39.0^x

10 38 04^x 231.2 77.8^x + 2.26^x

5 - 2 53

15 35 11^x Gr. M.T.

5456. 6494^x

Mar. 12, 1901

~~VIII~~

R & B

12.6
10 49 15 53.1 40.5 x
191.3 40.6 x
231.9 81.1 x + 2.16 x

12.7 + 2.19 x
52 00 52.0 39.3 x
192.4 39.8 x
232.2 79.1 x + 2.22 x

L & d Mean = +2.06 x

280.1
55 06 321.9 41.8 x
99.5 45.3 x
144.8 87.1 x + 1.99 x

278.1 + 1.94 x
10 58 55 325.0 46.9 x
2 15 16 100.2 44.0 x
10 53 49 x 144.2 90.9 x + 1.89 x
5 - 2 53
15 50 56 Gr. M. T.
5456.6603 x

Mar. 12, 1901

IX

L & a.

277.1

11 04 45 324.4 47.3

96.8 51.1

147.9 98.4 + 1.70

276.6 +1.71

07 12 326.6 50.0

98.81 47.5

146.3 97.5 + 1.72

R & B

Mean = +1.72

189.4

11 20 236.7 47.3

7.5 48.5

56.0 95.8 + 1.76

186.6 +1.72

11 13 50 236.0 49.4

37 7 7.4 49.9

11 09 17 57.3 99.3 + 1.67

5 −2 54

16 06 23 Gr. M. T.

5456.6711

Mar. 12, 1901

X

R&B

187.2

11 1900 237.4 50.2 ×

7.9 49.4 ×

57.3 99.6 × +1.67 ×

186.2 +1.60 ×

21 00 239.6 53.4 ×

6.4 51.8 ×

58.2 105.2 × +1. 53 ×

L&a. Mean = +1.47 ×

95.3

25 40 149.5 54.2 ×

274.3 56.0 ×

330.3 110.2 × + 1.41 ×

91.5 +1.34

11 29 20 151.5 60.0 ×

9.5 – ~~60~~ 00 272.6 56.7

~~330.6~~ 116.7 +1.27 ×

11 23 30 × 329.3

5 – 2 5×

16 20 36 × Gr M T.

5456 6810 ×

March 12, 1901

XI

L&A.

	95.2		
11 35 05	150.3	55.1^x	
	271.4	58.1^x	
	329.5	113.2^x	+1.34^x
	92.2		
37 05	150.4	58.2^x	+1.34^x
3	273.7	55.4^x	
	329.1	113.6^x	+1.34^x

Mean = +1.41^x

R&B

	5.1		
41 15	58.6	53.5^x	
	185.0	54.0^x	
	239.0	107.5^x	+1.48^x
	4.6		+1.48^x
11 44 05	60.2	55.6^x	
157 30	186.5	51.5^x	
11 39 22^x	238.0	107.1^x	+1.49^x

5 -2 54

16 36 28^s Gr.M.T.

5456.6920^x

Mar 12, 1901 Posted.

B&C 1186 B 394
11 52 54.0 11 50 00

Phot T. Nova Persei. 20 Obz

3 24 + 43.6
11 37
8 13

3 24
12 04
8 40

12 30 Clouds thick impossible to get Nova.

B&C 1182 B 394
22 55 56.0 22 53 00

Posted. March 13, 1901 (Wednesday)

B&C 1182	B 8.9K
21 11 09.6	21 08 0.0
12 09.5	09 00

March 14, 1901 (Thursday)

B&C 1182 — B 394

8 56 17.5 — 8 53 00.0

8 55 M.T. = 8.40 S.T.

Nova Persei. W Ch.

Phot T. 3 24 +43.6

8 46

5 22

7/8 in cap used

Plotted.

Ledgered.

Left

111.6

9 14.2 131.7 — 20.1

292.8 — 16.9

309.7 — 37.0 — 3.94

112.8 — 3.92

130.1 — 17.3

290.4 — 20.5

310.9 — 37.8 — 3.89

Right

Mean = — 3.96

21.2

41.75 — 20.3

204.9 — 16.2

221.1 — 36.5 — 3.97

23.4 — 3.99

9 22.8 401 — 16.7

9 18.5 203.0 — 19.2

5 — 3.3 222.2 — 35.9 — 4.01

14 15.2 Gr. M.T.

5 44 58 594

Mar. 14, 1901

Same Again

Right.

21.7
9 25.0 41.7 20.0
204.2 15.9
220.1 35.9 — 4.01

24.2 — 4.02
40.9 16.7
202.2 18.7
220.9 35.4 — 4.04

Left Mean = − 3.94
290.0
310.2 20.2
112.4 18.3
130.7 38.5 — 3.85

291.6 — 3.86
9 35.0 309.4 17.8
9 30.0 111.6 20.6
5 − 3.3 132.2 38.4 — 3.86
14 26.7 Gr. M. Time
5458.602 Final Mean = − 3.95

9 : 40 δ Per. 3 nova, nova 4.5 κ Per. no Obs.
Eye obs.
Pos. Ang. 253/6 S Proch. Wheel = 2.5 a
= 3.6 B

March. 14, 1901.

20–06

R Ursae Minoris.

Phot T. 16 34 +72.9

16 34 9 25

9 44 7 9

6 50 4 51

5 10

Left

179.6 < comp ✕ dis.

Plotted.
Ledgered.

I

10 10.7 243.7 64.1 ✕

356.0 70.7 ✕

66.7 134.8 ✕ + 0.88 ✕

175.0 +0.88 ✕

245.7 70.7 ✕

358.8 63.5 ✕

62.3 134.2 ✕ + 0.89 ✕

Mean = +0.86 ✕

Right

85.6

156.6 71.0 ✕

209.8 65.5 ✕

335.3 136.5 ✕ + 0.84 ✕

89.0 +0.84 ✕

10 22.0 153.8 64.8 ✕

10 16.4 266.7 71.8 ✕

5 – 3.3 338.5 136.6 ✕ + 0.85 ✕

15 13.1 Gr. M.T.

5458.634 ✕

Mar. 14, 1901.

Same Again

II

Right

86.0

10 25.4 156.9 70.9 ✓

270.1 64.1 ✓

334.2 135.0 ✓ +0.88 ✓

88.2 ✓ +0.86 ✓

153.5 65.3

266.0 72.1 ✓

338.1 137.4 ✓ +0.83 ✓

Mean = +0.89 ×

Left

356.3

66.1 69.8

180.1 62.8

242.9 132.6 +0.92 ×

357.0 +0.92 ×

10 38.6 62.1 65.1

64.0 177.2 68.0

10 32.0 245.2 133.1 +0.91 ×

5 -3.3

~~Final mean = +0.88~~

15 28.7 Gr.M.T.

5458.645

Pos Angle = 312.1

Spr Wheel = 4.5 B

" = 5.3 C

Mar. 14, 1901 Posted.

Same Again III

Left
357.3
10 55.0 64.9 67.6✓
178.2 66.8✓
245.0 134.4✓ +0.89×

357.0 +0.92×
65.3 68.3✓
179.1 63.2✓
242.3 131.5✓ +0.95×
Right Mean = +0.90
266.5
337.4 70.9✓
91.0 62.4✓
153.4 133.3✓ +0.91×

270.4 +0.88×
11 04.0 335.3 64.9✓
10 59.5 86.7 70.7✓
5 −3.3 154.4 135.6✓ +0.86×
15 56.2× Gr. M. Time
5458.664×

Final Mean = +0.88×

B&C 1182 B 39K
21 17 20.6 21 14 00

Posted.

Mar. 15, 1901 (Friday)

~~[illegible] ½ W~~

~~7 05 Nova Per. | Obser. 6 Nova, Nova 2 & Per. Comp + Obs.~~

B&C 1182　　　B 394

7 17 21.0　　　7 14 00

at 7:15 B&C S.T. = 7 h

Spr. wheel 0 = 11.5 + 12.6 a & B respect

Phot T. Nova Persei　　W Obs

3　24　+ 43.6

7　12

3　48

Left

288.4 clouds

7 37 0　313. clouds

2

3

Clouds all thick at 8:30 no chance for Nova.

Right

B&C 1182　　　B 394

21 16 24.8　　　21 13 00

Mar. 16, 1901 (Saturday)

B&C 1182 B 394
9 48 20.0 9 45 00
Clearing off at 9:40
S.T. = 9:35 at 9:45 B&C

Phot T. Nova Persei W Obs.

3 24 + 43.6
9 50
6 26

Left

7 in Cap used on this group

287.6
10 22.0 312.5 24.9
110.4 21.9
132.3 46.8 — 3.42 reject this group
288.6 troubled by
311.6 23.0 — 3.40 Clouds &
109.4 24.8 images faint &
134.2 47.8 — 3.37 alternating in
Right clouds mean = 3.42 brightness
~~196.2~~ 195.5 cap taken off & sky
~~227.8~~ 224.4 28.9 clearer in last
22.5 21.4 two groups
43.9 50.3 — 3.26
201.5
3.44
10 38.0 221.7 20.2
20.6 22.5
43.1 42.7 — 3.62

Mar. 16, 1901

Nova Again Ledgered

Full aperture

Plotted

55.0 Right
~~202.6~~ Clouds 200.3
10 ~~43.0~~ 223.6 23.3 x
20.0 23.3 x
43.3 46.6 x − 3.43 x

201.8 −3.44 x
223.5 21.7 x
~~20.~~ 18.4 24.6 x
43.0 46.3 x — 3.44 x

Left Mean = − 3.47 x
109.2
132.4 23.2 x
290.4 21.1 x
311.5 44.3 x − 3.54 x

110.4 − 3.51 x
11 04.0 131.6 21.2 x
119.0 288.5 24.4 x
10 59.5 x 312.9 45.6 x − 3.48 x
5 − 34
15 56.1 x Gr. M. Time.
5460.664 x

Mar 16 1901 Posted.
Same Again

Left
1097
11 06.0 1341 244
2901 21.3
3114 45.7 - 3.47

1111 - 3.48
1321 21.0
2892 24.2
3134 45.2 - 3.50

Right Mean = -3.52
202
433 23.1
2020 20.2
2222 43.3 - 3.59

2114 - 3.55
11 13.0 435 23.1
19.0 2000 22.9
11 09.5 2229 45.0 - 3.57
5 - 3.4 Final Mean = -3.50
16 06.1 Gr. M.T. Pos. Angle = 74.6 C.S. = 7.25
5-60.671 Spr. Wheel = a 2.5 Magn = 3.75
= B 3.6

Sky pretty clear in last 2 [illegible]

Posted. Mar 17. 1901 (Sunday)

Reset B & C 1182 at 21:13

B&C 1182	B 394
21 14 58.4	21 15 00

Mar. 18, 1901 (Monday)

B&C 1182 B 394

7 ~~39~~ 40 05.0 7 40 00

7 00 Cloudy

7 45 Cloudy

8 00 "

Phot. T. Nova Persei W 6b

Full aperture

3 24 +43.6

8 18

4 54

8 30 Cloudy

3 24 +43.6

8 46

5 22

OVER

Mar. 18, 1901

Nova Persei

Left   Ledgered
                                                         Plotted
195.9
902.8   220.9   25.0 x
15.8   23.3 x
39.1   48.3 x — 3.35 x

clouds thick

~~19[illegible].7~~ Stars gone   17.0   -3.38 x
~~218.8~~   " "   39.1   22.1 x
clouds thick   195.4   25.1 x
                           220.5   47.2 — 3.40 x

Right
284.0   Mean = — 3.40 x
310.4   26.1 x
107.2 Clouds   21.2 x
128.4   47.3 x — 3.40 x

286.7   — 3.42 x
9 26.0   308.7   22.0 x
9 14.4 x 105.4   24.5 x
5 -0.1   129.9   46.5 x — 3.43 x
14 14.3 x Gr. M. Time
5462.593 x

March 18, 1901

Same Again.

Right
284.4
9 30.0 310.1 25.7 x
107.6 20.8 x
128.4 46.5 x − 3.43 x

287.5 −3.44 x
309.3 21.8 x
105.3 24.2 x
129.5 46.0 x − 3.46 x

Left
Mean = −3.46 x
194.9
220.0 25.1 x
16.5 20.7 x
37.2 45.8 x − 3.47 x

196.6 −3.48 x
9 39.0 219.1 22.5 x
9 34.5 14.8 23.1 x
5 −0.1 ~~38.4~~ 45.6 x − 3.48 x
14 34.4 37.9

(CS = 7.25
3.43
magn = 3.82

Final Mean = −3.43

5462.607 x Sky fairly clear during above two groups on Nova: and opportunity for good equalizations watched for. Obs. considered very good.

Mar 18, 1901

Prov. comp. Star a with ~~8.5~~ 7.5 magn
= comp ✶ for Nova

Left
948 ‹comp✶ for Nova dis
10 18.0 141.2 46.4ˣ
276.5 43.3ˣ
319.8 89.7ˣ + 1.92ˣ

96.1 +1.94ˣ
138.1 42.0ˣ
274.0 46.8ˣ
320.8 88.8ˣ + 1.95ˣ

Right mean = +1.83ˣ
~~3.6~~
4.5 47.5ˣ
52.0 50.8ˣ
180.8 98.3ˣ +1.70
231.6
3.4 +1.72
10 3 2.0 52.2 48.8ˣ
50.0 183.7 48.0ˣ
10 25.0 231.7 96.8ˣ +1.74
5 -0.1
15 24.9ˣ r.m.t.
546 2. 642ˣ

Region rather low, & sky somewhat hazy but images apparently not ranging very much alternately [illegible] settings on Comp✶ a.

Mar. 18, 1901

Selection of Fainter comp *s for Nova Persei. 20-06

10 ~~g~~ Sky hazy small ~~phot.~~ photographic chart used.

a 3.5 b b in pencil & a in red.

10 18 the interval from a to b (both in red) is much to large. probably at least two stars should be inserted between one of which is b in pencil.

Sky now becoming thickly cloudy in this region the nova having disappeared in large telescope

Mar. 18. 1901.

B. + C. 1182. B. 394.

15 45 24.5 16 : 8 0.0

46 24.5 9 0.0

Dis. Jup. I. W. obs.; J. H. Freese rec.

3 57 10 ~~3 57 10~~

Jupiter seen. Satellite ~~(?)~~ I invisible.

~~15 36 25~~

15 ~~3~~ 58 55 Satellite invisible.

~~15 39 54~~

16 ~~4~~ 2 24 Satellite seen with ordinary eyepiece faintly.

41 27 3 54 " " faintly.

41 41 4 10 " " "

41 52 4 21 " " "

42 04 33 " " "

42 16 45 Clouds thicker, Sat. 1 not seen.

42 45 5 14 Sat 1 Barely suspected. 2, 3 & 4 seen.

43 47 6 16 Sky a little clearer; 1, not seen; 2, 3 & 4 seen

44 38 7 7 → Sat. 1 not seen; 2, 3 & 4 seen.

45 10 39 Sat 1 not seen; sky clearer 2, 3, & 4 seen,

45 53 8 22 Sat 1 " " " " 2, 3 & 4 " .

46 36 9 5 " " " " 2, 3 & 4 "

47 11 9 40 Now 5m after theoretical time of eclipse

47 41 10 10 Sat 1 evidently gone

48 22 50 Jupiter rather ~~low~~ in haze.

48 52 11 20 So much haze that with low altitude of Jupiter, it was impossible to do anything photometrically Eclipse taken with ordinary eye piece.

Mar. 14. 1901. Posted.

Satellite 1 invisible in the photometer. Sky hazy all the time, and haze pretty thick.

B. + C. 1142.			B. 394.		
16	24	23.4	16	v1	0.0
	29	23.3		v2	0.0
20	47	26.5	21	10	0.0
	48	26.~~1~~5		11	0.0

Mar. 19, 1901 Tuesday

~~Reset B&C~~

B&C 1182 B 394

7 06 57.5 7 07 00

Plot. Nova Persei - W Obs

3 24 +43.6
7 22
3 58

R. F. P.

Full aperture

Left

188.8

7 29.5 231.8 43.0 x

15.2 32.1 x

47.3 75.1 x -2.34 x

193.1

227.6 34.5 x -2.26 x

7.0 45.8 x

52.8 80.3 x -2.19 x

Right

98.6 mean = -2.23 x

142.4 43.8 x

282.8 35.5 x

318.3 79.3 x -2.22 x

104.0 -2.20 x

7 35.0 138.1 34.1 x

7 32.2 x 276.6 46.2 x

5 322.8 80.3 x -2.19 x

12 32.2 x G.M.T.

5463.522 x

Mar. 19, 1901

Same Again

Right

96.8

7 36.0 145.8 49.0

284.4 34.4

318.8 83.4 – 2.10

102.4 2.18

~~102.4~~ 137.6 35.2

279.8 42.6

324.4 77.8 – 2.26

Left

~~1~~8.3 Mean = – 2.17

53.2 44.9

191.6 37.0

228.6 81.9 – 2.14

13.3 – 2.16

7 42.6 48.8 35.5

7 39.3 188.1 45.0

5 233.1 80.5 – 2.18

12 39.3 G. M. T.

5463.527

Final Mean = – 2.20

C. S. = 7.25

Magn = 5.05

Mar. 19. 1901.

Eros. Phot. I. W. obs.

6 33 +10.0
87 58
1 25

8 05 40
06 28 4.8
06 43 1.5

~~10 19.5~~
8 10 36.5
10 38.6 4.1

10 44.0
10 48.0 4.0

S.I.W. 8 46 38
(E.) 8 47 56

8 50 clouds

8 51 Eros now follows ~~the~~ Dm. +8° 1423 (9.3) by 3.5 secs & 2'.8 S

Comp Star = +8° 1439 (9.1)

Mar. 19. 1901

Eros with 91

Ledgered.
Plotted.

Above
284.2 < comp ✶ dis
9 00.06 319.5 35.3
103.7 37.4
141.1 72.7 + 2.42

288.8 + 2.40
01 25 318.8 36.0
102.6 38.3
140.9 74.3 + 2.37

Below mean = + 2.28
189.52
05 00 231.9 42.7
11.4 38.4
49.8 81.1 + 2.16

192.6 + 2.16
9 07 10 231.2 38.6
13 35 9.9 42.5
9 03 24 52.4 81.1 + 2.16
5 + 0 2

14 03 24 +6 G. M. T.
5463.5857

Mar. 19, 1901.

Eros II

Below

189.1

9 12 40 231.6 42.5^{x}

9.7 40.1^{x}

49.8 82.6^{x} + 2.12^{x}

189.9 + 2.06^{x}

14 40 233.1 43.2^{x}

9.4 43.5^{x}

52.9 86.7^{x} + 2.00

Above Mean = + 2.10^{x}

99.6

17 20 138.9 39.3^{x}

280.5 41.9^{x}

322.4 81.2^{x} + 2.16^{x}

99.6 + 2.13^{x}

9 20 00 141.0 41.4^{x}

64 40 279.6 41.8^{x}

9 16 10 322.4 83.2^{x} + 2.10^{x}

5 +0 0^{2}

14 16 10^{2} Gr M Time

5463.5945^{x}

Mar 19, 1901

~~III~~

Above

97.4

9 23 20 142.5 — 45.1

280.6 — 40.6

321.2 — 85.7 — + 2.03

99.75 — + 2.08

25 30 139.6 — 40.1

280.1 — 41.9

322.0 — 82.0 — + 2.14

Below — Mean = + 2.04

8.4

29 10 53.2 — 44.8

190.6 — 43.1

233.7 — 87.9 — + 1.97

9.9 — + 2.00

9 31 45 51.3 — 41.4

10 9 45 188.5 — 44.7

9 27 26.2 233.2 — 86.1 — + 2.02

5 +0 8

14 27 26.8 G. M. T.

54 63.6024

Mar. 19, 1901

IV

Below
7.4
9 34 50 55.6 48.2
189.2 43.1
232.3 91.3 + 188

9.2 + 1.90
37 50 52.1 42.9
186.7 47.1
233.8 90.0 + 1.91

mean = + 1.95

Above
41 45 278.9
322.8 43.9
100.0 42.5
142.5 86.4 + 2.01

280.9 + ~~1.95~~ 2.00
9 43 45 321.6 40.7
158 10 97.4 46.2
9 39 32 143.6 86.9 + 2.00
5 +0 0 2
14 39 32 4+ Gr M.T.
5463.6108

Mar 19, 1901

V

Above
277.4
9 50 00 323.2 45.8 ×
100.3 41.2 ×
141.5 87.0 × + 200 ×

280.5 + 2.02 ×
5 30 5 321.0 40.5 ×
97.8 44.7 ×
142.5 85.2 × + 205 ×

Below mean = + 197 ×
188.2
56 40 234.6 46.4 ×
9.1 43.8 ×
52.9 90.2 × + 1.91 ×

189.7 + 192 ×
9 59 45 232.7 43.0 ×
(9 30 7.5 46.4 ×
9 54 52 53.9 89.4 × + 1.93 ×
5+0 2
14 56 52 Gr. M. Time.
5463.6214 ×

Mar. 19, 1901

VI

Below
188.5
10 07 50 233.8 45.3^r
11.0 40.6^r
51.6 85.9^r + 2.03^r

192.2 + 2.06^r
10 50 232.2 40.0^r
8.2 43.2^r
51.4 83.2^r + 2.10^r
Above mean = + 2.20^r
100.0
15 20 139.9 39.9^r
283.3 35.2^r
318.5 75.1^r + 2.34^r

102.1 2.34^r
10 18 40 138.1 36.0^r
5 2 40 281.1 39.0^r
10 13 10 320.1 75.0^r + 2.35^r
5 + 0 0^2

15 13 10^2 Gr. M. T.
5663.6341

Mar. 19, 1901

VII

Above

100.2

10 23 15 138.8 — 38.6^{x}

285.8 — 32.5^{x}

318.3 — 71.1^{x} + 2.47^{x}

104.0 — + 2.44^{x}

26 35 137.1 — 33.1^{x}

282.0 — 39.6^{x}

32~~4~~1.6 — 72.7^{x} + 2.42^{x}

Below — Mean = + 2.52^{x}

11.6

31 30 49.9 — 38.3^{x}

193.5 — 32.3^{x}

225.8 — 70.6^{x} + 2.49^{x}

14.5 — + 2.59^{x}

10 35 05 44.6 — 30.1^{x}

11 6 25 193.9 — 34.5^{x}

10 29 06^{s} 228.4 — 64.6^{x} + 2.69^{x}

5 40 0^{2}

15 29 06^{s} G.M.T.

546[illegible].6452^{x}

Posted. March 19, 1901

VIII

Below
Cloudy

~~14~~

11 00 Eros has now disappeared in cloud & haze also brighter adjacent stars

Obs. made through progressively increasing haze. Sky fairly clear in ~~the~~ first groups, but haze gradually increasing & obs. becoming extremely difficult. Eros faint throughout but extreme care exercised & obs considered good

B D 0 1182		B 394
21 07	435	21 09 00
08	43.5	10 00

Posted. Mar. 29, 1901 (Wednesday)

B & C 1182	B 394
21 09 56.7	21 11 0.0

Posted Mar. 21, 1901 (Thursday)

B0C 1182	B394
21 07 068	21 09 00

Mar 22, 1901 (Friday)

B&C 1182 B 39x
6 59 12.6 7 00 00
Phot T. Eros w Obs

6 41 +7.7
7 21
0 40

6 39 +8.2
7 29
0 50

7 37 S.T. 2 secs.
7 37 S.T. 10.5 secs.

7 37.5 S.T. 7 secs
7 38.5 S.T. 7 secs

~~7 42.5 1.5 secs.~~

~~7 43.5 2.5 secs.~~

7 44.5 11.0
7 45.7 5.5

7 39 13.5
7 40 Clouds thick
9 00 All cloudy
9 30 Clouds thick everywhere & Eros found
but clouds prevented Observations

Mar. 22. 1900.

Closed suddenly.

Nova Persei. Phot. T. Lt. ob.

3 24 +K3.6
10 32
+7 A

Left <vardis

10 36.0 13.3
45.5 32.2
198.3 clouds 25.5
2238 Stars gone 57.7 –
19.0
41.9 clouds 22.9
194.9 Clouds 32.3
227.2 55.2 –
~~Right~~ Mean: –
+

Reject this partial group:
Obs. through clouds & images
constantly varying

Mar. 22, 1901

Ledgered
Posted.
Plotted.

Left Nova Persei

16.5
11 09.0 47.0 30.5
199.2 25.1
224.3 55.6 − 3.03

18.0 − 2.98
44.6 26.6
196.4 31.6
228.0 58.2 − 2.93

Right Mean = − 2.99

284.2
315.2 31.0
108.4 24.8
133.2 55.8 − 3.02

288.2 − 3.00
11 16.0 312.2 24.0
25.0 104.9 32.8
11 12.5 137.7 56.8 − 2.98
5 +0.8
16 13.3 Gr. M. Time.
5466.676

Mar 22, 1901

Same Again

Right

	284.3		
11 17.5	316.9	32.6 ✓	
	109.0	24.3 ✓	
	133.3	56.9 ✓	– 298 ✓
	287.9		– 298 ✓
	313.1	25.2 ✓	
	105.3	31.4 ✓	
	136.7	56.6 ✓	– 299 ✓

Left — Mean = – 2.92 ✓

	195.0		
	228.0	33.0 ✓	
	15.9	27.5 ✓	
	43.4	60.5 ✓	– 284 ✓
	198.3		– 286 ✓
11 25.5	225.6	27.3 ✓	
11 21.5 ✓	14.0	32.0 ✓	Find M = 2.96 ✓
5 +08	~~47.0~~	59.3 ✓	– 289 ✓ CS = 7.25
16 22.3 ✓ ½ 2.M.T.	46.0		Magn. 4.29 ✓

5466.682

I in the last two groups sky pretty clear

Pos ang = 254.4
Spr wheel = 2583.6

Mar. 22. 1901. Posted.

B. + C. 1182.
11 51 12.5
52 12.5

B. 394.
11 52 0.0
53 0.0

B & C 1182
21 39 20.1
40 20.2

B394
21 40 0.0
41 0.0

Mar 23, 1901 (Saturday)

B&C 1182 B 394
6 46 25.6 6 47 0.0
Eros Phot T. w Ok
#6 48 +8.5
7 18
0 30

7:28 S.T. −11.0
7:30 S.T. 11.0 + 1.0

7:36 S.T. 2.5

7:39 S.T. 4.0

7:55 S.T. 2.0

8:49 S.T. 11.5

8:52 S.T. 11.6

8 53 S.T. 11.5

6 48 +8.5
8 58
2 10

6 48 +8.5
9 32
2 44

Mar. 23, 1901

9.39 S.T. = 3.5

41 2.5

41.4 5.0

42 6.5

42.7 3.0

~~44 3.0~~

50 0 3.5

51.6 3.0

10 01 10.5

Sky growing hazy Eros not

10 00 yet found

Mar. 23, 1901

Phot. T. Nova Persei w Obs

3 24 +43.6
10 24
7 00

Ledgered
Posted.
Plotted.

Left Full aperture

199.7
10 16.0 223.0 23.3 ✓
20.4 21.1 ✓
41.5 44.4 ✓ - 3.54 x
200.4
221.6 21.2 ✓ - 3.55 x
19.4 22.7 ✓
42.1 43.9 ✓ - 3.56 ✓
Mean = - 3.50 x
Right
108.8
134.1 25.3 ✓
289.4 21.7 ✓
311.1 47.0 ✓ - 3.41 ✓

111.1 - 3.45 ✓
10 24.2 132.5 21.4 ✓
10 20.1 x 288.9 24.0 ✓
5 .. +6 312.9 45.4 ✓ - 3.49 ✓
15 207 x Gr. M. Time.
5467.640 x

Mar 23, 1901

Same Again

Right
108.9
10 28.0 132.3 23.4
290.2 20.6
310.8 44.0 -3.56

110.4 -3.52
131.8 21.4
288.5 24.0
312.5 45.4 -3.49

Left mean = -3.50
18.6
43.8 25.2
201.3 21.3
222.6 46.5 -3.43

19.0 -3.49
10 35.0 41.5 22.5
63.0 201.4 21.7
10 31.5 223.1 44.2 -3.55
5 +.6 Final Mean = -3.50
15 42.1 Gr.M.T. Pos Angle = 254.3 CS = 7.25
5467.647 Sp. Wheel = 2.5 + 3.6 magn = 3.75

Posted.

Mar 23, 1901

U Orionis no Obs

5 49 + 20.0
11 15
5 26

5 47 + 20 8.7
− 1
5 46 + 20.1
11 16
5 20

A portion of the stars of U Orionis examined and seem to agree with the stars as indicated on Hagen's Chart.

11 15 The faintest stars must be left to another night as haze is too thick to see them.

HP
Posted

Mar 24, 1901 (Sunday)

B&C 1182	B394
21 09 05.6	21 09 00

Mar 25, 1901 (Monday)

B&C 1182 B 394
6 58 57.6 6 59 00

S.T. 27^m fast of B 394

$$\begin{array}{r} 3\ 24\ +43.6 \\ \underline{7\ 34} \\ 4\ 10 \end{array}$$

Eros.

Too cloudy
No stars visible in finder at all. No stars visible in this region in large telescope. Moon not very far distant.

Nova Persei - W Obs

$$\begin{array}{r} 3\ 24\ +43.6 \\ \underline{7\ 40} \\ 4\ 16 \end{array}$$

Mar 25, 1901
Nova Persei   wO62
Phot T.   Full aperture
Ledgered.
Plotted.

~~Left~~
190.1
7 27.0   232.3   42.2
7.4   47.0
54.4   89.2 -1.94

187.2   -1.92
236.3   49.1
10.4   41.7
52.1   90.8 - 1.89

Right
100.5
141.7   41.2
276.8   47.8
324.6   89.0 -1.94

Mean = -1.95
C.S. = 7.25
Magn = 5.30

98.9   - ~~1~~ 1.98
7 35.0   143.6   44.7
7 31.0   280.0   41.6
5 0.0   321.6   86.3 -2.01
12 31.0 Gr. M. Time
5469.522

March 25, 1901

Same Again

Right
99.2
7 37.0 142.3 43.1
277.4 46.5
323.9 89.6 - 192
12 37.0 ½ m.t.
97.0 - 193
144.2 47.2
281.1 42.0
323.1 89.2 - 194

Reserve.

~~Left~~ clouds rather thick

8 00 clouds thick

3 24 + 43.6
8 + 8
5 24

8 15 Clouds thick

Pos Ang = 258.0
Spr. wheel = 25
" " = 3.5

~~Few clouds~~

Images not exactly superposed when Pos Ang + Spr Wheel were read as clouds became so thick it was impossible to do it but

Mar. 25, 1908.

~~images~~ images are pretty close to superposition

Clouds so thick and growing thicker that it is impossible to finish group on Nova.

The full group above was taken through some cloud but images pretty steady and ok considered good

In the first half of second group clouds were thicker ~~[illegible]~~ but images not changing much in light relatively. Impossible to do anything with comp stars clouds too thick

Double + 24° 2207 & 2209 w 6½

10 11 + 24.0
9 11
1 00
11 00

+ 26° 2353 & 2354 w 6½

12 24 + 26.5
9 17
~~58~~
3 07
R 53

double

9.00 Clouds too thick impossible to get

Posted.

March 25, 1901

+65° 935 & 936   no Obs

13 24 +65.2
9 34
3 50
8 10

9 11 Clouds too thick

Σ 2264   no Obs
13 20 +55.4
9 49
3 31
8 29

Impossible to get double

Clouds so thick that a 2.5
9 20 magn Star can not be seen
in 15 in telescope

B&C 1182   B39K
21 12 585   21 1300

Posted. Mar 26, 1901 (Tuesday)

B8C1182	B39x
21 01 02.6	21 01 00

Mar 27, 1901 (Wednesday)

o Ceti W Ob

Phot W · 2 12 -3.6

7 27

5 1.5

7 19 o Ceti not seen region very low twilight and moonlight and some cloud. Probably impossible to get o Ceti even if clear. Search made in gaps in clds.

Nova Persei W Ob

Phot. 3 24 + 43.6

7 54

4 30

full aperture

See next page

Mar 27, 1901

Nova Persei

w Obs
Ledgered
Plotted.

Left
198.2 (var) nova dis.
7 33.0 226.8 27.6
18.4 24.0
42.4 clouds 51.6 − 3.20

199.7 clouds − 3.17
7 40.0 224.3 clouds 24.6
17.5 28.3
45.8 clouds 52.9 − 3.14
Right Mean = − 3.14
286.3
7 50.0 313.3 27.0
107.8 27.4
135.2 54.4 − 3.08
Clouds
8 288.8 ~~clouds~~ − 3.12
~~7~~ 50.0 ~~318.3~~ 313.4
233.0 107.2 24.6
7 58.2 135.1 27.9
5 − 0.3 52.5 − 3.16
12 57.9 Gr. M.T.
5471.540

March 27, 1901

Nova again

Right
287.0
8 53.0 314.9 27.9
107.0 27.5
134.5 55.4 — 3.04

287.8 — 3.08
314.0 26.2
107.5 27.3
134.8 53.5 — 3.12

Left Mean = — 3.10
198.0
225.2 27.2
16.4 26.9
43.3 54.1 — 3.10
7
197.2 — 3.12
9 01.0 224.1 26.9
8 57.0 17.4 26.2
5 — 0.3 ~~43~~ 53.1 — 3.14
13 56.7 Gr. M.T. 43.6 Final Mean = 3.12
5471.581 C.S. = 7.25
Magn = 4.13

Clear in last preceding group
First group through pretty thin places in
cloud images pretty steady when settings were made

Mar 27, 1901.
Pos. Ang = 254.4
Spr. Wheel = 2.5 a
" " = 3.5 β
Selection of comp. *'s for Nova.
W-Obs

3 24 +43.6
9 43
6 19

Posted

a 5 b
b 3 c
c 4.5 d
d 5.5 e
e 4 f
f 2 g
g 4 h
h 1.5 k
k 3 l

see next page

Mar. 27, 1901.

Clouds
Meas. of comp ★s for
Nova Persei

Left clouds; Star e with comp ★
No. 1 for the nova

10 23.0 clouds.

Clouds still in this region
impossible to measure comp
stars

Double +84° 289, 290 w O b.

12 48 +84.0

Phot w 11 28
1 20
10 40

Pos Ang 210°

Dist. ~~30"~~ 0.5' ±

Magns 5.5 & 6.3

March 27, 1901

Doyle see prev. page

clouds

Right

11 01.0 31.9 (brighter sides

105.8 73.9+

207.3 cls 86.5+

293.8 160.4+ − 0.37+

26.1 cl. − 0.36+

114.1 88.0+

212.8 74.0+

286.8 cls. 162.0+ − 0.34+

Left Mean = − 0.38+

303.3

16.9 73.6+

114.4 88.2+

202.6 161.8+ − 0.35+

300.0 − 0.41+

11 11.0 22.0 82.0+

11 06.0+ 122.3 73.4+

5 − 03 195.7 155.4+ − 0.47+

16 05.7+ G.M.T.

5471.671+ Meas made through more or less cloud

B & C 1182 B 394

11 7 0 [illegible] 56 11 30.00

Posted.

Mar 27, 1901.

B&C 1182	B 39 K
21 06 18.5	21 06 40

Mar 28, 1901 (Thursday)

B & C 1182　　B 394
7 04 23.0　　7 04 00

Phot T. Nova Persei w Obs

3 24 +43.6
7 10 clouely　7 46
8 45 "　4 22

Full aperture.

~~Left~~ clouds thick Stars gone

9 00.0 ~~193.3~~ 196.2
~~7 22.0~~ 228.2 ~~Clouds thick stars gone~~　32.0
8.2 clouds　47.4
55.6　79.4 - 2.21

9 12.0 193.8 clouds
232.8　39.0　- 2.31
13.8 clouds　34.0
47.8　73.0 - 2.41

Right
10 25.0 104.0
135.9　31.9
297.6
31.

11:05 — Group considered of no particular value an attempt was made merely to see if Nova was fainter tonight than last night first set thought to be ~~darkest~~ see a little power 3d of no value.

Pol. Cir. = 73.6 8 pr. Wheel = 25.0 35

Thursday March 28. 1901.

	11A2			394	
15	32	15.0	15	32	0.0
	33	15.1		33	0.0

Re. Jup. Sat. III. Phot R
W. Obs.
Colson recorder

Compared with sat. on same western side = sat I

15 38 Clouds thick

39. Clouds thick

41 Clouds thick. Jupiter invisible in telescope.

43 Jupiter still invisible in telescope.

46 Clouds thick. Jupiter still invisible.

51 " " " " "

58 44 Jupiter dimly seen in telescope No sats. visible.

Thursday March 28, 1901

15 59 22 Clds. thicker; Jupiter dimly seen. No sats. visible.

16 00 30 Clds thicker. Jupiter not seen in telescope.

02 20 Jupiter faintly seen, but no sats. Clds. thick.

02 44 Clds. thicker.

03 50 Clds. thick. Jupiter faintly seen in telescope. No sats seen. Jupiter invisible to naked eye.

05 00 Sats III + I seen for a moment with ordinary eyepiece

05 38 Clds thicker. ~~Sat. III~~

05 59 Sats I + III seen for a moment, Sat III apparently at full brightness

06 23 Jupiter faintly seen. Clds thicker. Sats invisible

06 52 Clds thick. Jupiter invisible

7 40 Sats seen for a moment Jup. III apparently at full brightness

Posted.

March 28, 1901.

16 08 20 Sat seen. Jup III at apparently full brightness

30 Clds thicker; Jupiter faintly seen.

Sat. invisible

It is now ~~not~~ half a hour after eclipse time. Sky is now getting clearer for a moment - Jupiter III seen and at full brightness

B 8 C 1182 B 394

21 11 14.8 21 11 08.

Mar. 29, 1901 (Friday)

B&C 1182 B 394
7 01 27.4 7 01 08

S.T. is 42 min fast of B 394

Phot T Nova Persei. w Ob
3 24 + 43.6
7 49
4 25

7 15 Clouds thick

7 22 " " stars invisible

7 27 " " " "
8 25 " " " "

Left

Too cloudy for the

9 15 Nova clouds thick.

9 25 Nova again
3 24 + 43.6
10 07
6 43

over

Mar 29, 1901

Phot. 7. Nova Persei W Obs

Left — Red. Plot. Posted-

17.0 ×

9 34.0 45.1 28.1

193.1 38.3×

231.4 66.4× − 2.63+

, clouds

712.6 × − 2.66✓

37.0 47.3 Cls. 34.7

196.8 30.0×

226.8 64.7× − 2.69+

Mean = − 2.68+

Right.

283.9

48.0 317.9 34.0×

106.6 30.0✓

136.6 64.0+ − 2.71+

285.6 − 2.71+

9 50.5 316.6 31.0×

169.5 104.0 Cls thick 33.0×

9 42.4 137.0 64.0+ − 2.71+

5 − 0.4

14 42.0+ Gr. M.T.

5473.612×

March 29, 1901

Same Again

Right

	284.2		
9 57.0	318.7	34.5	
	105.8	30.4	
	136.2	64.9	-2.68
	286.0		-2.68
9 58.6	316.8	30.8	
	102.8	34.2	
	137.0	65.0	-268

Left

	193.6		
10 04.0	227.0	33.4	
	13.8	32.0	
	45.8	65.4	-2.66
	196.0		-268
10 04.0	227.0	31.0	
240.6	13.4	33.5	
10 00.2	46.9	64.5	-269

Mean = -268

5 - 0.4
14 59.8 Gr. M.T.
5473.625

Final Mean = -268
C.S. = 725
Magn = 45.7

Obs. made through more or less thin cloud, but images in general pretty steady as obs. waited before [illegible] [illegible] to be considered good

March 29, 1901.

Meas. of Comp Stars for Nova Persei.

10 10 Cloudy

Star a with comp *

~~Left~~ < comp * dis

9.

278.1

10 40.0 322.9 44.8

98.7 dis. 46.3

145.0 91.1 +

279.4 +

32~~4~~.4 45.0

95.4 49.6

145.0 94.6 +

Right, meas. see below

188.1 reject

240.2 57.0

~~~~11.5 42.3

53.8 99.4 +

I Impossible ~~to~~ finish star a on account of low alt. & cloud.

+

Stars so faint ~~that~~ settings alone made are somewhat unreliable

11 0.0 abandoned
~~~~

March 29, 1901

Posted to here

B0C 1182
21 15 27.5

B 394
21 15 00

Mar. 30, 1901 (Saturday)

B o C 1182 B. 394
6 56 36.5 6 56 00

Phot. Nova Persei. W Obs.

~~×→~~
3 24 +43.6
7 58
4 34

Left. L.P.

16.0
7 23.2 41.9 25.9
196.5 29.1
225.6 55.0 −3.06

15.8 −3.05
44.1 28.3
198.2 27.1
225.3 55.4 −3.04

Right Mean = −3.08
288.0
314.7 26.7
107.3 27.8
135.1 54.5 −3.08

286.8 −3.10
7 30.0 315.0 28.2
7 26.6 108.4 25.4
5 − 0.6 133.8 53.6 −3.11
12 26.0 G.M.T.
547.4518

March 30, 1901

Same Again ~~A~~

Right
288.7
7 32.6 314.2 25.5 ×
106.2 28.2 ×
1344 53.7 × — 3.11 ×

287.5 — 3.10 ×
315.0 27.5 ×
107.4 26.6 ×
1340 54.1 × — 3.10 +

Left Mean = — 3.11 ×
198.5
223.7 25.2 ×
16.7 27.9 ×
44.6 53.1 × — 3.14 ×

198.0 — 3.12 +
7 41.4 226.5 28.5 ×
7 40 17.5 25.7 ×
7 37.0 43.2 54.2 × — 3.09 +
5 — 0.6 Final Mean = — 3.10
12 36.4 Gr M.T. C.S. = 7.25
5474.5 25 × Magn = 4.15

Pos ang = 254.4
Spr Wheel = 25 to 35

March 30, 1901

Meas of comp. Stars for Nova

Phot T. Star f with C.S. for Nova. 20 6b.

Left

290.0 < comp* dis

8 09.0 311.1 21.1

109.7 23.0

132.7 44.1 + 3.55

288.8 + 3.56

312.4 23.6

111.3 20.0

131.3 43.6 + 3.58

Right ~~Mean = +4.24~~

206.0

216.9 10.9

24.6 12.9

37.5 23.8 + 4.91

204.2 + 4.93

8 10.0 217.4 13.2

25.2 10.2

35.4 23.4 + 4.95

The first half of above groups and the last half of next group were found to be a measure of some sort of reflection (probably from the Nova) the star being so faint with photometer at that position, with ~~and~~ the accompanying haze, that it could not

Mar. 30, 1901

Star f again

Right.
205.6
8 16.2 216.6 11.0
25.3 12.3
37.6 23.3 + 4.96

204.7 + 4.96
217.5 12.8
25.5 10.5
36.0 23.3 + 4.96

Left. ~~Mean = +4.25~~
111.1
131.6 20.5
288.1 23.9
312.0 KK.K + 3.5K
+3.5K
109.2
8 30.0 133.4 24.2
291.0 19.9
310.9 44.1 + 3.55

be seen. After it cleared a little subsequently, the star was detected nearby and measured rightly for the ~~other~~ ~~rev~~ left reversal, on p. 115.

Mar. 30, 1901

Star d with C.S. for Nova.

Left L.

293.3

8 40.0 ~~30~~ 310.3 17.0$^{\times}$

109.6 21.1$^{\times}$

130.7 38.1$^{\times}$ + 388$^{\times}$

+ 384$^{\times}$

291.0

311.5 20.5

110.8 18.9$^{\times}$

129.7 39.4$^{\times}$ + 380$^{\times}$

Right. Mean = + 378$^{\times}$

201.4

221.0 19.6$^{\times}$

20.5 21.1$^{\times}$

41.6 40.7$^{\times}$ + 373$^{\times}$

+ 372$^{\times}$

~~20~~ 199.6

8 47.0 221.3 21.7$^{\times}$

8. 43.5$^{\times}$ 21.4 19.3$^{\times}$

5 - 0.6 40.7 41.0$^{\times}$ + 371$^{\times}$

13 × 29$^{\times}$ Gr. M.T.

5474.572$^{\times}$

Mar. 30, 1901

Star f with comp * for Nova.

Left
297.6
9 05.0 307.8
116.2
126.6

29 5.6
9 08.0 t 307.6
114.4
~~128.6~~
127.8
Right

13 40.0 Gr. M.T.
5474.569

L

10.2 ×
10.4 ×
20.6 × + 5.72~~6~~3 ×

+ 5.00 ×

12.0 ×
13.4 ×
25.4 × + 4.77 ×

Mean = 4.97 ×

see page 112-113.

9

Mar. 30, 1901.

Star e with a 8 for Nova.

L.

	Right		
	204.7		
9 16.0	217.7	13.0	
	24.8	12.1	
	36.9	25.1	+ 4.79
	205.2		+ 4.76
	217.2	12.0	
	24.9	13.7	
	38.6	25.7	+ 4.74
	Left		Mean = + 4.76
	114.4		
	129.0	14.6	
	295.7	11.0	
	306.7	25.6	+ 4.75
	115.6		+ 4.76
9 24.0	127.1	11.5	
	294.1	13.9	
9 20.0	308.0	25.4	+ 4.77

5 -0.6

14 19.4 G.M.T.

5474.597

Mar 30, 1901

Star c with C.S. for Nova.

T.

Left
109.5
9 28.0 132.5 23.0 x
288.6 25.8 x
314.4 48.8 x + 3.33 x

108.0 + 3.31 x
134.7 25.7 x
289.0 23.9 x
312.9 49.6 x + 3.29 x
Right
Mean = + 3.36 x
18.2
43.7 25.5 x
199.3 23.2 x x
222.5 48.7 x + 3.33

20.7 + 3.40 x
9 345 42.3 21.6 x
625 198.4 24.4 x
9 31.2 x 222.8 46.0 x + 3.46
5 - 0.6
14 30.6 x Gr. M.T.
5474.605 x

Mar 30, 1901

Star a with Comp* for Nova.

L.

Right.

190.2

9 38.0 230.8 40.6×

7.1 47.2×

54.3 87.8× + 1.97×

187.3 + 1.94×

233.7 46.4×

8.4 43.5×

51.9 89.9× + 1.92×

Left

100.2 Mean = +1.88×

142.7 42.5×

273.0 51.8×

324.8 94.3× + 1.80×

94.8 + 1.82

9 45.0 147.3 52.5×

9 41.5 281.3 40.5×

5 - 0.6 321.8 93.0× + 1.83×

14 40.9× Gr. M.T.

5474.612×

Mar 30, 1901

Star 6 with comp * for Nova.

L.

Left

104.1

10 00.0 137.8 33.7$^\times$

283.2 35.3$^\times$

318.5 69.0$^\times$ + 2.54$^\times$

104.0 + 2.60$^\times$

138.8 34.8$^\times$

284.3 30.9$^\times$

315.2 65.7$^\times$ + 2.65$^\times$

Right Mean = + 2.54$^\times$

13.4

47.8 34.1$^\times$

192.6 35.5$^\times$

228.1 69.6$^\times$ + 2.52

12.8 + 2.48$^\times$

10 07.0 51.2 38.4$^\times$

10 03.5 194.3 33.9$^\times$

5 – 0.6 228.2 72.3$^\times$ + 2.43

15 02.9$^\times$ Gr. M.T.

5474.627$^\times$

Mar 30, 1901

U Orionis   w Obs.

5 50   +20.2
  1   +5
5 49   25.2
10 59
5 10

5 46 +20.2
11 02
5 16

r prec Var 8.5 secs & 5.7 S of it.
q fols " 3.5 secs & 0.2 S of it.

10:30 q z r with var behind bar

p fols. var 31 secs & 0.2 S of it

p 5.5 q

t prec var 24.5 sec & 6.5 S of it
u prec var 17.5 secs & 2.4 S of it
s fols var 26 secs & 11.7 S of it

s 6.5 t

u 5.5 w
x fols q about a sec & half more
than q fols the var & the var
q & x are almost in straight line &

Mar 30/1901
being a very little S of the prolongation of the line joining the mean δ γ.

Nova Persei, again; w Ch

Phot T. 3 24 + 43.6
11 48
8 24 L.P.

~~Left~~

199.6
11 12.0 222.0 22.4
160 30.0
46.0 52.4 − 3.17

196.6 − 3.10 ×
226.2 29.6
17.4 25.9
43.3 55.5 − 3.04
Right
Mean = − 3.14 ×
107.9
133.1 25.2 ×
286.6 28.7 ×
315.3 53.9 − 3.11 ×

1079 − 3.18 ×
11 18.0 134.6 26.7
11 15.0 289.4 23.7
5 − .6 313.1 50.4 − 3.25 ×
16 14.4 Gr.M.T.
5474676 ×

Mar 30, 1901.
Nova again

Right
108.5
11 20.0 133.6 25.1
288.0 26.6
314.6 51.7 * − 3.20

108.5 * − 3.22
133.7 25.2
288.6 25.4
314.0 50.6 * − 3.24

Left Mean = − 3.18
16.3
45.4 29.1
199.2 24.1
223.3 53.2 − 3.13

17.4 − 3.15
11 27.0 43.2 25.8
~~11 23.5~~ 198.6 26.4
5 − .6 ~~224.5~~ 52.2 − 3.17
16 22.9 225.0 Final mean = 3.16
5474.683 Pos ang =255.0 C.S. = 7.25
magn = 4.09
Spr. Wheel = 2.5 a
" " = 3.5 B

Posted

Mar. 31, 1901 (Sunday)

BθC 1182	VB 394
21 10 37.5	21 10 0.0

~~Mon.~~ → April 1, 1901 (Monday)

B&C 1182 B 394

6 56 44.0 6 56 0.0

Phot. T. Nova Persei w Obs

3 24 +43.6
8 00
4 36

Left. Full Aperture

197.3 Ledgered.

7 27.0 223.5 26.2 × Plotted.

17.3 25.9 ×

43.2 52.1 × − 3.18 ×

197.7 −3.15 ×

223.9 26.2 ×

17.4 27.3 ×

44.7 53.5 × − 3.12 ×

Right mean = −3.12 ×

107.2

131.7 24.5 ×

287.4 28.2 ×

315.6 52.7 × −3.15 ×

107.5 −3.10 ×

7 37.0 134.4 26.9 ×

7 32.0 287.1 28.6 ×

5 − 0.7 315.7 55.5 × − 3.04 ×

12 31.3 × Gr. M.T.

5476.522 ×

~~[illegible]~~ April 1, 1901

Nova Again   WOk.

Right

105.3
7 39.0   135.0   29.7 ×
289.1   25.3 ×
314.4   55.0 ×   −3.06 ×

108.5   −3.16 ×
132.2   23.7 ×
287.5   26.7 ×
314.2   50.4 ×   −3.25 ×

Left   Mean = −3.15

~~16.8~~ 17.8
43.2 Clouds   25.4 ×
197.1   27.4 ×
224.5   52.8 ×   −3.15 ×

16.4   −3.14 ×
7 48.0   44.5   28.1 ×
7 43.5   198.0   25.3 ×
5 −0.7   223.4   53.4 ×   −3.12 ×
12 42.8 × Gr. M.T.   Final mean = −3.14 ×
7 53 Clouds thick now   CS = 7.25 ×
5476.530 ×   Magn = 4.11 ×

Sky ~~pretty~~ quite clear during obs. of above groups.

Pos. Ang. = 254.6
Spr. Wheel = 25 a
" " = 35 B

April 1, 1901 (~~Monday~~)

8 25 Impossible to do anything on comp *'s for Nova

+55° 1122 – (H.P. 1267-1268)

6 40 +55.8 WOk
9 28
2 48

8 35 Too cloudy

+65° 935 & 936 WOk
13 24 +65.2
9 30
3 54
8 06

Pos Ang 150°
Dist 1.5' ±
Magns 6.5 & 6.8 ±

8.46 Clouds thick
stars gone

8.48 Stars gone

Clouds thick impossible to
9 20 continue on doubles even
Growing worse still

April 1, 1901

B&C 1182	B 394
21 11 51.6	21 11 55

Posted.

April 2, 1901 Tuesday

7 00 Cloudy
Phot T. Nova Persei w Obs
3 24 + 43.6
8 10
4 46

7 15 Clouds thick
3 2 + 40.6
8 18
5 16

7 30 Clouds thick
Phot T. Nova Persei w Obs
3 24 + 43.6
8 27
5 03

7 40 Cloudsthick
Left
Cloudsthick.

7 42.0 187.0 < vardis.
~~235.1 Cls 48.1~~
~~1. Clsthicker~~

Right

See next page

April 2, 1901
Nova Persei

	Left		
	10.1 cls.		Led. Plot.
7 50.0	51.8	41.7+	
	187.8	47.1+	
	234.9 Cls, thick	88.8+	−1.95+
	6.5		−1.92+
	54.4	47.9+	
	189.3	43.4+	
	232.7 Cls	91.3+	−1.88+
	Right		Mean = −1.93+
	279.2		
	323.5	44.3+	
	98.7 cls	44.9+	
	143.6	89.2+	−1.94+
	278.4		−1.94+
8 02.0	323.9 cls	45.5+	
7 56.0+	98.9	43.6+	
5 −1.0	142.5	89.1+	−1.94+
12 55.0+ Gr. M. T.			
5477.538+			

April 2, 1901

Nova Again

Right

8 08.0 279.8
323.8 44.0
98.8 44.3
143.1 88.3 −1.96

Cls

278.5 −1.94
324.2 45.7
97.8 44.6
142.4 90.3 −1.91

Left Cls mean = −1.93

188.7
232.2 43.5
7.2 47.1
54.3 90.6 −1.90

8 188.0 −192
7 18.0 234.6 46.6
8 13.0 7.8 Cls thick 42.6
5 −1.0 50.4 Cls thicker 89.2 −1.94 Final mean = −1.93
13 12.0 G.M.T. C.S. = 7.25
magn = 5.32

5477.550 Impossible to get a least ~~satisfactory~~ setting. Spr. Wheel reads 2.5 & 3.5.
Pos ang uncertain as images could not be superposed due to clouds.

April 7, 1901 Posted.

Above groups taken through more or less cloud, but images moderately steady although at times varying some ab. 1/2 m

B&C 1182
21 17 03.5
18 03.5

B 394
21 16 0.0
17 0.0

F 3451
22 18 05.1
19 5.1

F 1327
22 18 01.0
19 1.0

Posted.

April 3, 1901 (Wednesday)

BDC 1182			B 394		
21	12	33.0	21	11	00
	13	33.0		12	00

April 4, 1901 (Thursday) Posted

B ~~B~~C1182 B 394

21 14 44.5 21 13 00

Posted.

April 5, 1901 (Friday)

B&C	B39X
£115 509	2114 00

Apr. 7, 1901 (Sunday) Posted.

BδC 1182
21 18 $\overset{4}{\cancel{5}}$8.1
19 48.1

B 394
21 16 0.0
17 00

F 3451
2 $\overset{2}{x}$ 39 03.0
40 03.0

F 1327
21 39 01.0
40 01.0

Posted

Apr. 8, 1901 (Monday)

√B & C 1182	B394
21 06 16.4	21 0~~4~~3 00
21 15 16.4	12 00

Apr. 9. 1901 (Tuesday) Posted.

BΦ e 1180	B 39K
21 16 36.7	21 13 00
17 36.7	14 00

Posted

April 10, 1901 (Wednesday)

~~F~~ F. ~~1307~~ 3451			B 39 x		
22	41	43.5	22	10	00
	42	43.5		11	00
B&C 1182			B 39 x		
21	19	38.5	21	16	00

Apr. 11. 1901. (Thursday)

10 0 Clearing somewhat. some stars visible,

Eros.

7 48 +2.9
12 0
+4 12

Too cloudy for Eros. at present.

More clouds again.

Utterly useless to try for Eros. longer.

Phot T. Nova Persei. 2w-Obj
3 28 +43.6
12 18
8 50

12 47
9 23

11 25 Utterly impossible to get Nova after much trying on account of clouds & low alt. Nova seen ~~[illegible]~~ two or three times but disappearing before anything could be done

11 30 clouds still thicker in this region.

Over)

Apr. 11, 1901

R Urs. Minoris

Phot T. W Obs

16 34 +72.9
13 04
3 30
8 30

~~Ledgered~~
~~Plotted.~~

RA

177.6 ∠ comp * dis.

11 42.8 244.4 64.8^x

357.2 69.1^x

66.3 133.9^x + 0.90^x

177.4

246.4 68.7^x +0.93^x

359.0 62.2^x

61.2 130.9^x + 0.96^x

LAB Mean = + 1.04^x

92.9

152.4 59.5^x

268.0 62.1^x

330.1 121.6^x + 1.16^x

90.9 +1.16^x

11 48.2 154.6 63.7^x

11 45.5^x 271.5 57.7^x

5 – 3.8 329.2 121.4^x + 1.16^x

16 41.7^x G.M.T.

54486 69.6^x

April 11, 1901

R Ursae Min. again

L&B.
92.2
11 51.0 150.9 58.7
267.4 64.0
331.4 122.7 + 1.13

89.3 + 1.12
155.5 66.2
272.4 57.0
329.4 123.2 + 1.12

R&A Mean = + 1.06
0.9
61.6 60.7
176.7 68.7
245.4 129.4 + 0.99

357.2 + 1.00
11 59.0 64.6 67.4
11 55.0 180.9 61.6
5 - 38 242.5 129.0 + 1.00
16 51.2 G½ M.T. Final Mean = + 1.05
5686.702

Pos Ang = 138.8
Spr. Wheel = 5.5 C
" " = 4.5 B

12 08 Prisms carriage & the header track

Apr. 11. 1901.

B.+C. 11a2.			B. 394.		
15	35	51.5	15	32	0.0
	36	51.3		33	0.0

Des Jup II Phot R. W Obs
Colson Recorder

Compared with nearer of two sats on same preceding side = Sat III. ~~II~~

Seeing pretty good

15 49 15 ×	15	49	00		24.5	
− 3 51			09	71.8	96.3	
15 45 24 ×			22	66.1~~8~~	27.9	1
			30	69.0	94.0	
15 49 52 ×			39		25.1	
3 51			49	70.9	96.0	
15 46 01			56	71.8	25.1	2
		50	04	71.4	96.9	
15 50 25			11		26.5	
3 51			20	70.2	96.7	
15 46 34			30	70.1	24.9	3
			38	70.2	95.0	
15 51 06			48		23.5	
− 3 51			59	70.3	93.8	
15 47 15		51	14	69.1	25.1	4
			23	69.7	94.2	
			31		24.8	
			40		97.0	

April 11. 1901

			72.2		
15 51 44ˣ		48	72.2	24.8	5
−3 51		57	72.2	97.0	
15 47 53ˣ					
	52	05		23.5	
15 52 25ˣ		16	73.4	96.9	
−3 50		36	71.3	24.5	6
15 48 35		54	72.4	95.8	
15 53 26ˣ	53	11		24.0	
−3 50		20	73.2	97.2	
15 49 36ˣ		32	72.7	24.2	7
		43	73.0	96.9	
54 25ˣ	54	06		25.0	
3 50ˣ		17	70.0	95.0	
50 35		34	70.3	24.9	8
			70.2		
		42		95.2	
		54		26.0	
55 22ˣ	55	~~0~~12	68.2	94.2	
3 50		29	70.0	25.0	
51 32ˣ			69.1		
		~~45~~		~~9~~	9
		53		95.0	
		59		27.1	
56 12ˣ	56	08	65.9	9~~7~~3.0	
3 50		16	68.6	27.2	10
52 22ˣ					
		24	67.2	95.8	
		34		26.7	
56 46ˣ		42	66.3	93.0	
3 50					
52 56ˣ		50	63.8	27.9	11
			65.0		
		58		91.7	
	57	07		29.5	

April 11, 1901

15 57 21		57	16	64.4	93.9	
-3 50			26	62.8	28.2	12
15 53 31			36	63.6	91.0	
			43		28.6	
58 04			53	65.4	94.0	
-3 50		~~58~~	~~05~~	66.0	23.9	13
54 14		58	13	65.7	27.0	
			25		93.0	
58 53			35		29.02	
-3 50			45	61.7	90.9	
55 03			57	61.0	29.0	14
		59	15	61.4	90.0	
			27		32.1	
59 40			36	57.8	89.9	
-3 50						
55 50			44	56.9	31.1	15
			51 →	57.8	89.0 →	
56 12	16	00	02	54.9	33.2	
			~~04~~		~~92.0~~	
26			16	54.5	88.1 tm	
34			24	54.4	33.6	
42			32	53.5	88.0	
56			46	52.0	34.5	
57 04			54	52.5	86.5	
16		01	06	51.0	34.6	
27			17	47.1	85.0	
36			26	45.9	37.9	
48			38	42.9	83.8	
58 01			51	40.2	40.9	
11		02	01	39.1	81.1	

April 11, 1901, Posted

15 58 20		10	36.0	42.0
27		17	34.0	78.0
35		25	34.8	~~43.~~ 44.0
43		33	31.9	~~4~~ 78.8
52		42	24.1	46.9
59 02		52	20.1	71.0
10	03	00	18.6	50.9
22		12	15.5	69.5
32		22	7.8	54.0
41		31		62.8

Not seen later

Limit of visibility

	16 04	05		53.0
16 04 30		27	13.0	66.0
− 3 50		35	10.2	55.5
16 00 40		52	11.6	65.7

B.+C. 1182.			B. 394.		
16	14	49.0	16	11	0.0
	15	49.0		12	0.0

B&C1182 Chron. stopped & restarted B394

22	20	06.2	22	17	0.0
	21	06.3		18	0.0

April 12, 1901 (Friday)

B&C 1182 Bond 391

7 02 047			6 59 0.0
03 047			7 00 0.0
Eros	Phot T.		W Obs
7	45	+2.4	
8	53		
1	08		
7	54	+2.7	
8	55		
1	1		

9 09 S.T. a - b 1.5 secs.

9 11 8.5 prec. - 4.8

9 This reference star fols 6.0 ~~9.5~~ secs & is 2.'8 N of it

7 ~~8~~ 47 E.M.T. Eros now precedes +2° 1843 (9.0) 7.3 secs & 4.'9 S of it

7 ~~8~~ 48 E.M.T. Eros (star a) follows b 0.'3 ~~0.5 or 0.5~~ sec.

Hence this is Eros.

Comp. star = +2° 1841 (9.5)

April 12, 1901

Phot T. Eros. W Obr

7 45
9 43

7 54
9 44
1 50

Ledgered

Lta.

0.7 <comp * dis
8 12 05 60.7 60.0 ×
180.9 59.5 ×
240.4 119.5 × + 1.20 ×
1.7
15 10 61.8 60.1 × 1.14 ×
178.8 64.6 ×
243.4 124.7 × + 109 ×
R VB Mean = + 1.28
270.9
20 00 330.1 59.2 ×
95.4 51.0 ✓
146.4 110.2 ✓ + 1.41 ×
274.8
8 21 25 328.5 53.7 ✓ + 1.41 ×
68 40 92.3 56.7 ✓
8 17 10 × 149.40 110.4 ✓ + 141 ×
5 - 3 - 5
13 14 5 Gr. M. T. 5487. ~~5445~~ 5515

April 12, 1901

II

R & B.

273.0

8 23 30 328.8 55.8^t

94.1 52.5^t

1466 108.3^t + 1.46^t

274.1 1.49^t

26 20 326.7 52.6^t

94.1 53.1^t

1472 105.7^t + 1.52^t

L & A. Mean = +1.36^t

181.2

28 15 239.8 58.6^t

0.9 59.7^t

60.6 118.3^t + 1.23^t

180.8 +1.22^t

8 30 30 241.6 60.8^t

28 35 0.2 59.0^t

8 27 09^s 59.2 119.8^t + 1.20^t

5 -3 5

13 24 4^s Gr. M. T.

5487.5584^d

April 12, 1901

III

L & a.

182.9
8 34 10 238.2 55.3^x
0.1 62.2^x
62.3 117.5^x + 1.25^x

180.8 + 1.26^x
36 10 241.2 60.4^x
2.6 56.5^x
59.1 116.9^x + 1.26^x

R & B Mean = + 1.34^x

92.4
39 10 149.2 56.8^x
272.9 54.3^x
327.2 111.1^x + 1.39^x

95.3 + 1.42^x
8 42 00 147.0 51.7^x
32 30 271.7 57.1^x 1.45^x
8 38 8^x 328.8 108.8^x +
5 -3 5
13 35 3^x Gr. M. T.
5478.5660^x

April 12, 1901.

IV

RTB

92.4

8 46 10 147.2 54.8^{+}

276.0 48.2^{+}

324.2 103.0^{+} $+1.58^{+}$

96.1 $+1.57^{+}$

48 30 146.1 50.0^{+}

273.1 54.0^{+}

327.1 104.0^{+} $+1.56^{+}$

L & a. mean = $+1.50^{+}$

5145 2.4

59.6 56.0^{+}

184.6 55.0^{+}

239.6 111.0^{+} $+1.39^{+}$

3.6 $+1.42^{+}$

8 53 50 58.8 55.2^{+}

20 0 15 185.1 53.6^{+}

8 50 05 238.7 108.8^{+} 1.45^{+}

5 - 3 05

$13\ 46\ 59^{+}$ Gr. M. T.

5087.5743^{+}

April 12, 1901

V

L & A

4.2
8 56 15 57.5 53.3+
1823 56.8+
239.1 110.1+ +1.42+

2.3 55.4+ +1.45+
8 58 10 57.7 52.0+
185.6 107.4+ +1.48+
237 6

R & B Mean = +1.56

277.1
9 02 20 325.6 46.5+
95.8 51.1+
146.9 97.6+ +1.72+

274.4 +1.68+
9 04 30 326 8 52.4+
2)1 05 96.7 48.4+
9 00 16 145.1 100.8+ +1.64+
5 - 3 5
13 57 11+ Gr. M. T.
5487. 5813+

April 12, 1901

~~VI~~

R & B

278.7
9 07 50 324.4 45.7
93.9 52.3
146.2 98.0 +1.71

275.1 +1.70
09 50 327.0 51.9
96.8 46.8
143.6 98.7 +1.69

L & a Mean = +1.59

185.4
13 30 235.7 50.3
~~8~~ 2.1 56.4
58.5 106.7 +1.49

183.4 +1.48
9 16 25 240.0 56.6
7 35 6.0 51.0
9 11 50 57.0 107.6 +1.47
5 -3 5
14 8 9 Gr. M. T.
5487.5895

April 12, 1901

VII

L & A.

9 2100 187.5
236.9 49.4+
3.3 56.1+
59.4 105.5+ + 1.52+

183.1 + 1.53+
2410 239.2 56.1+
6.9 48.9+
55.8 105.0+ + 1.54

P & B Mean = + 1.68
97.8
2812 143.7 45.9+
276.7 48.4+
325.1 94.3+ + 1.80+

97.2 + 1.83+
9 31 10 145.5 48.3+
2 X 32 279.0 43.7+
9 26 08+ 322.7 92.0+ + 186+
5 - 3 5
14 23 3 G.M.T.
5487.5993+

April 12, 1901

VIII

ROB
98.9
9 36 00 143.2 44.3+
276.3 48.8+
325.1 93.1+ +1.83+

96.6 +1.80+
39 10 144.8
277.1 49.2+
323.3 46.2+
95.4+ +1.77+

LOA Mean = +1.64
6.4
43 50 56.7 50.3+
185.2 55.4+
240.6 105.7+ +1.52+

+1.48+
22.
9 46 15 58.6 55.4+
165 15 184.8 58.2+
9 41 19+ 238.0 108.6+ + 1.45+
5 - 3 5+
14 38 14 Gr. M.T.
5487.6098+

April 12, 1901.

~~V~~
~~IX~~

LOA
4.6
9 51 00 58.3 — 53.7+
182.5 — 55.4+
237.9 — 109.1+ + 1.44+

1.5 — + 1.42+
5 3 12 ~~2~~59.3 — 57.8+
184.3 — 53.6+
237.9 — 111.4+ + 1.39+

RfB — Mean = + 1.49
277.1
56 45 325.7 — 48.6+
92.2 — 54.6+
146.8 — 103.2+ + 1.58+

273.5 — + 1.56+
9 59 55 328.6 — 55.1+
20 5.2 94.9 — 49.7+
9 55 13 144.6 — 104.8+ + 1.54+
5 – 3 5
14 52 8+ G.M.T.
5487.6195+

April 12, 1901

X

R+B

275.4

10 07 25 327.4 52.0^+

93.8 54.8^+

148.6 106.8^+ $+1.49^+$

272.5 $+1.48^+$

10 18 328.2 55.7^+

94.7 52.4^+

147.1 108.1^+ $+1.46^+$

L+a Mean $= +1.36^+$

182.2

14 10 239.3 57.1^+

359.8 61.7^+

61.5 118.8^+ $+1.22^+$

179.6 1.23^+

10 16 32 241.2 61.6^+

2.6 56.1^+

48 25

10 12 06 58.7 117.7^+ $+1.24$

5 − 3 5

15 9 1^+ G.M.T.

5487.6312^+

April 12, 1901

XI

L & A.
184.1
10 21 30 239.~~7~~6 55.5+
0.5 61.0+
61.5 116.5+ + 1.27✓

181.1 +1.23✓.
25 05 242.4 61.3+
2.2 58.6+
60.8 119.9+ + 1.19✓

R & B. Mean = +1.26+
92.0
29 25 149.7 57.7+
271.3 58.6+
329.9 1163+ +1.27✓

92.8 +1.30✓
10 31 40 151.0 58.2+
27 40 272.7 56.0+
10 26 55× 329.7 114.2+ +1.32+
5 3 5
15 23 50 Gr. M. T.
5487.6416+

April 12, 1901

~~XII~~

R or B

93.4
10 38 20 146.0 5-26
272.4 57.6+
330.0 110.2+ + 1.41

92.1 + 1.40
42 29 149.9 57.8
275.0 53.8+
328.8 111.6+ + 1.38

L + a Mean = + 1.27

0.2
46 48 60.0 59.8
180.9 63.1+
244.0 122.9 1.13

50 359.6 + 1.14
10 ~~47~~ 50 63.0 63.6+
17.8 18 182.2 59.0+
10 44 35 241.2 122.4+ + 1.10
5 - 3 6
15 41 29+ Gr. M. T.
5487.6538+

Apr. 12, 1901

XIII

L f a

0.3

10 57 20 60.6 60.3 ×

181.3 61.7 ×

243.0 122.0 × +1.15 ×

+1.17 ×

359.0

10 59 35 59.0 60.0 ×

181.3 60.1 ×

241.4 120.1 +1.19 ×

R & B

mean = +1.28

273.8

11 03 15 330.0 56.2 ×

93.8 55.5 ×

149.3 111.7 +1.38 ×

271.3 +1.38 ×

11 05 40 329.4 58.1 ×

24550 94.2 53.2 ×

11 01 28 147.6 111.3 × +1.39 ×

5 - 3 6

15 58 22 G. M. T.

5487.6656 ×

April 12, 1901

XIV

RTR

275.3

11 11 00 327.1 51.8^{+}

91.9 58.0^{+}

149.9 109.8^{+} + 1.42^{+}

274.0 $+1.48^{+}$

15 20 327.8 53.8^{+}

94.7 51.6^{+}

146.3 105.4^{+} + 1.53^{+}

L&A. Mean = 1.38^{+}

181.3

20 20 242.0 60.7^{+}

359.8 60.0^{+}

59.8 120.7^{+} $+1.18^{+}$

184.6 $+1.27^{+}$

11 23 40 238.3 53.7^{+}

7 30 20 0.8 58.9^{+}

11 17 35 59.7 112.6^{+} + 1.36^{+}

5 - 3 6

16 14 29 Gr. M. T.

5487.6768

April 12, 1901

XV

Lda.

181.5
11 30 00 241.0 — 59.5ˣ
1.7 — 53.0ˣ
56.7 — 114.5ˣ + 1.31ˣ

184.0 — +1.32ˣ
33 00 2~~4~~0.3 — 56.3ˣ
0.8 — 58.0ˣ
58.8 — 114.3ˣ + 1.32ˣ

RdB — mean = + 1.46ˣ

95.0
37 00 145.2 — 50.2ˣ
273.9 — 53.5ˣ
327.4 — 103.7ˣ + 1.57ˣ

9~~4~~5.7 — +1.60ˣ
11 41 00 147.4 — 51.7ˣ
2 1 00 276.9 — 49.0ˣ
11 35 15 ˣ325.9 — 100.7ˣ + 1.64ˣ
5 − 3 6
16 32 9ˣ G.M.T.
5487.6897ˣ

Posted. Apr. 12, 1901

Phot Nova Persei Wolbe
3 26 + 63.6

13 26
10 02

12 00 Nova too low
Telescope when set points
into houses, trees & lights

BDC 1182 B 39c
12 22 05.9 12 19 00

Last group taken with much difficulty from low altitude and faintness of object.
Much care exercised and group thought to be pretty good. It should probably, however, have half weight.

BDC 1182 B 39c
21 51 09.6 21 48 00

April 13, 1901. (Saturday)

BD C 1182 B 394

6 ~~4~~ 51 10.8 6 48 0.0

Phot. T. Nova Persei 20 Obs

3 24 +43.6

8 49

5 25

Led. Plot.

~~Left~~

~~13.7~~ 14.3 < Nova Dec

7 22.5 46.8 32.5^{x}

196.3 30.0^{x}

~~226.3~~ 62.5^{x} – 2.77^{x}

15.5

45.9 30.4^{x} – 2.78^{x}

194.8 31.8^{x}

226.6 62.2^{x} – 2.78^{x}

Right Mean = -2.76ˣ

284.8

317.8 33.0^{x}

105.6 29.4^{x}

135.0 62.4^{x} – 2.77^{x}

284.7 32.7^{x} – 2.74^{x}

7 31.7 317.4

54.2 104.5 31.3^{x}

7 27.1ˣ 135.8 64.0^{x} – 2.71^{x}

5 – 3.2

12 23.9 Gr. M.T.

5488 517

April 13, 1901

Same Again

Right

286.2
7 34.0   319.5   33.3ˣ
105.8   29.3ˣ
135.1   62.6ˣ — 2.76ˣ

285.9   — 2.73ˣ
316.9   31.0ˣ
103.2   33.3ˣ
136.5   64.3ˣ — 2.70ˣ

Left   Mean = — 2.73ˣ

196.9
226.5   29.6ˣ
13.3   34.0ˣ
47.3   63.6ˣ — 2.73ˣ

19~~3.9~~ 4.5   — 2.73ˣ
7 42.0   228.6   34.1ˣ
16.3   29.5ˣ
7 38.0   45.8   63.6ˣ — 2.73ˣ
5 — 3.2   Final mean = — 2.74ˣ
12 34.8ˣ Gr. M. T.   7.25

Sky ~~hazy~~ clear in above   Magn = 4.51ˣ

5488.524ˣ   Pos. Ang = 254.6

Sp. Wheel = 2.5 a

" " = 3.5 B

April 13, 1901

meas of Comp *'s for Nova
Persei with comp * for nova

Star 6.

Ledgered

Left
282.0 (comp * dis
8 01.0 321.6 38.6
104.2 33.8
138.0 72.4 +2.43

285.0 +2.46
320.1 35.1
100.9 35.7
136.6 70.8 +2.48

Right
mean = +2.45
192.5
232.2 39.7
14.2 32.4
46.6 72.1 +2.44

194.1 +2.44
8 13.0 231.1 37.0 ~~47~~
8 07.0 12.9 35.5
5 -3.2 48.4 72.5 +2.43
13 3.8 Gr. M.T.
5488.544

April 13, 1901

Star c with comp * for nova

L & A.
107.2
8 23.5 134.7 27.5
289.2 25.0
314.2 52.5 + 3.16
+
109.3 + 3.22
132.6 23.3
287.9 26.7
314.6 50.0 + 3.27
R & B Mean = + 3.27
19.2
43.8 24.6
197.6 25.7
223.3 50.3 + 3.26

19.4 + 3.32
8 31.3 44.1 24.7
54.8 199.6 23.0
8 27.4 222.6 47.7 + 3.38
5 - 3.2
13 24.2
5488.5 57

April 13, 1901

Star e

Right
204.8
8. 39.0 219.1 14.3
24.2 12.7
36.9 27.0 + 4.64

205.2 + 4.67
218.1 12.9
24.3 13.3
37.6 26.2 + 4.70

Left Mean = +4.64
113.4
180.2 16.8
295.7 12.8
308.5 29.6 + 4.43

5
11~~8~~6 + 4.60
8 52.0 127.6 12.0
91.0 294.2 13.4
8 45.5 307.6 25.4 + 4.77
5 — 3.2
13 42.3
5488.571

Apr. 13, 1901

Star d

~~Left~~

110.6
9 05.5 129.0 18.4^{+}
289.5 $\underline{22.5^{+}}$
312.0 40.9^{+} + 3.72^{+}

109.9 + 3.74^{+}
131.4 21.5^{+}
292.4 $\underline{18.4^{+}}$
310.8 39.9^{+} + 377^{+}

Right Mean = + 372^{+}
20.5
39.8 19.3^{+}
199.5 $\underline{21.6^{+}}$
221.~~1~~1 40.9^{+} + 3.72^{+}

~~2~~19.3 + 370^{+}
9 14.5 41.5 22.2^{+}
$\underline{}$ 20.0 201.6 $\underline{19.7^{+}}$
9 10.0^{+} 221.3 41.9^{+} + 367^{+}
5 – 3.2
$\underline{}$
14 6.8^{+} Gr. M. T.
5488. 588^{+}

april 13, 1901

Star ~~f~~

Right
204.8
9 20.0 217.5 — 12.7
24.2 — 11.4
35.6 — 24.1 + 4.88

206.1 — + 4.92
216.1 — 10.0
23~~4~~6 — 13.4
37.~~4~~0 — 23.4 + 4.95

Mean = + 4.99

Left
116.3
126.3 — 10.0
294.2 — 12.2
306.4 — 22.2 + 5.06

115.7 — + 5.06
9 29.0 127.0 — 11.3
9 24.5 295.7 — 11.0
5 - 3.2 306.7 — 22.3 + 5.05

14 21.3 G.M.T.
5488.598

Much troubled in meas. of Comp. *s by variable light cloud & haze. ~~Stars in~~ Clouds very troublesome in groups on first comp stars; [illegible] stage [illegible]

on last star and clearer on next to last than on preced. ones

Apr. 13, 1901

V Cancri. Wells

Exam

8 18 +17.5
11 28
3 10

Star x in pencil (n in red) fol. var 4'.5 & same dec.

Star o in pencil (q in red) fol. var 1'.5 & slightly north.

Star o' in pencil (p red) fol. var 8'.5 & ny. 2' S of it.

Apr 13, 1901

Star n pencil (~~α~~ q red)

Above & Left   comp × = e final not

199.9
1024.4 223.2   23.3×
146   28.6×
43.2   51.9× + 3.~~1~~9×

200.2   3.28×
225.6   25.4×
18.4   22.5×
40.9   47.9× + 3.37×

Right & Below   mean = + 3.31×

109.4
133.6   24.2×
288.8   26.6×
315.4   50.8× + 3.24×

8
10~~4~~.1   + 3.34×
132.4   24.3×
291.6   21.9×
313.5   46.2× + 3.45×

Apr 13, 1901.

(C in pencil) (G in red)

L & a.

200.9		
222.3	21.4	
20.0	20.4	
40.4	41.8	+ 3.67
202.6		+ 3.68
222.6	20.0	
19.0	21.2	
40.2	41.2	+ 3.70

R & B

Mean = + 3.67

110.8		
133.3	22.5	
290.8	20.0	
310.8	42.5	+ 3.63
111.4		+ 3.66
130.3	18.9	
290.1	22.7	
312.8	41.6	+ 3.68

Apr. 13, 1901

o' pencil (~~p~~red)

R.

290.7

312.7 — 22.0×

110.8 — 19.6×

130.4 — 41.6× +3.68 –

+3.72×

291.6

311.6 — 20.0×

110.6 — 20.0×

130.6 — 40.0× +3.77×

L

Mean = +3.67×

202.1 — 20.0×

222.1 — 22.0×

20.0 — 42.0× +3.66×

42.0

+3.62×

202.6

222.6 — 21.0×

19.5 — 22.3×

41.8 — 43.3× +3.59×

Apr. 13, 1901.

C pencil (o red) on chart with large squares

L.

13.5		
48.1	34.6	
194.6	33.3	
227.9	67.9 +	2.58
14.7		+ 2.60
47.2	32.5	
194.1	34.0	
228.1	66.5	+ 2.62

R.

		Mean = + 2.64
284.8		8.02
318.4	33.6	10.66
104.4	31.5	
135.9	65.1	+ 2.67
285.6		+ 2.67
317.1	31.5	
103.8	33.6	
137.4	65.1	+ 2.67

Apr 13, 1901

l in final red hot

R		
96.2		
145.2	49.8″	
270.8	58.4″	
329.8 2	107.2″	+ 1.48″
92.6		+1.52″
148.3	55.7″	
277.0	48.2″	
325.2	103.9″	+ 1.56″
L	Mean = + 1.46″	
0.5		
60.0	59.5″	
186.8	48.6″	
235.4	108.1″	+ 1.46″
4.8		+ 1.41″
~~55~~ 57.0	52.2″	
180.7	60.3″	
241.0	112.5″	+ 1.36″

Apr. 13, 1901
V Cancri Cont

star l pencil & red on chart with large squares fols star n in red on same chart in order of sequence

star $\overset{s}{f}$ (red) on circular chart fols var 6 secs & is 9'.9 N of it. a slightly brighter one prec. $0^s.5$ – 0 about 2'.0 S of it. ~~and one = in brightness with it,~~ s =,

star s has a star slightly brighter prec. 6 secs & 1'.7 N of it.

star r in red on O chart fols var 26 secs & 8'.2 N of it

star t in red on O chart fols var (10) 10 secs & 2'.3 S of it

12 00 star u fols var 5 secs & 1'.2 N of it

Apr 14, 1901 (Sunday) Led. Post. Plotted here

B&C 1182	B 394
21 07 30.5	21 04 0.0

Reset F 3451 just before comp.

F 3451	B 394
22 52 51.4	21 05 0.0
53 51.4	06 0.0
54 51.5	07 0.0
55 51.6	08 0.0

F. 3451 is $1^{s}3.8$ fast of True Sidereal Time.

Posted.

Apr 15, 1901 (Monday)

B & C 1182	B 394
21 16 40.6	21 13 0.0
F 3451	B 394
23 06 48.0	21 15 0.0
07 48.1	16 0.0

F 3451 is 12.5 sec fast of True Sidereal Time

Posted

Apr. 16, 1901 (Tuesday)

BOC 1182
21 13 48.9
14 49.0

B 394
21 10 0.5
11 0.5

Posted. Apr 17, 1901 (Wednesday)

F 3451	B 394
$2\overset{3}{\cancel{1}}$ 05 39.6	21 $0\overset{6}{\cancel{8}}$ 00
B&C 1182	B 394
1. 21 12 02.5	21 08 00

1 F 3451 is $12\overset{ms}{.}5$ — fast of True Sid. Time.

Apr. 19, 1901 (Friday)

Phot T. Nova Persei W Obs

3 24 +43.6
9 34
6 10

3 24
9 38
6 14

Ledgered
Plotted.

Left
7 185.8
& 440 237.1 51.3
10.5 40.9
51.4 92.2 -1.86
188.8
233.2 44.4 -1.78
3.8 53.4
57.2 97.8 -1.71
Right
94.9 Mean = 1.74
147.5 52.6
278.4 Cls 45.9
324.3 98.5 -1.69
99.0
7 50.0 143.4 44.4 -1.70
7 47.0 × 274.5 53.3
5 - 4.0 327.8 97.7 -1.71
12 43.0 Gr. Mn. Time
5494.530

Apr. 19, 1901

Same Again

Right
94.4
7 5$\overset{2}{1}$.0 148.0 53.6 ✓
277.3 46.9 ✓
324.2 100.5 ✓ −166 ✓

96.5 −1.64
144.3 47.8 ✓
274.7 52.3 ✓
327.0 100.1 ✓ −165 ✓

Left Mean = −1.70 ×

5.2
55.0 cls thicker 49.8 ✓
187.9 cls thick 44.5 ✓
232.4 stars gone 94.3 ✓ −180 ×
Sky clearer

9.3 ✓ −176 ×
8 00.0 52.3 43.0
7 56.0 × 184.5 54.1 ✓
5 −4.0 238.6 97.1 ✓ −173 ×
12 52.0 G. M. Time − Final mean = −1.72 ×
5494.536 ×
Sp. Wheel 2.5 0 3.5 7.25 ×
Pos Ang 254.6 Magn = 5.53 ×
Troubled somewhat by somewhat thin clouds
in the east, & above

Apr. 19, 1901.

Vesta. Phot. I. Pr. obs.

8 47 34.	+24 31.0	(1901)
−2 40.	+10.2	
8 44 54.	+24 41.2	(1855)
+24° 2004 (9.4) = 44 47.	43.9	
+7.	−2.7	

8 54 +25.0
10 30
1 36

8 18 Clouds thick
8 40 " "
8 53 " "
9 05 " "
9 15 " "

8 54 +25.0
11 32
2 38

9 38 Sky all thickly cloudy.
9 50 Sky still cloudy!
9 52 Vesta looks 8.0 1 square & 43 secs
about 12'.0 S of it.
9 53 cloudy again
10 8 " "

Posted.

Apr. 19, 1901.

Vesta cont.

10 20 Clouds thick

Clouds thick everywhere no
10 33 stars visible
impossible to get Vesta

B. + C. 1182.			B. 394.		
10	44	56.0	10	41	0.0
	45	56.2		42	0.0
B & C 1182			B 394		
21	22	00.4	21	18	0.0
	23	00.3		19	0.0

Apr. 21 1901 (Sunday) Posted

~~F 3451~~	~~B 394~~
~~23 25 20.9~~	~~21 10 00~~
~~26 20.9~~	~~11 00~~
Fr	
B&C 1182	B 394
21 16 57.5	21 13 00
17 57.5	14 00
F 3451	B 394
23 49 24.5	21 34 00
23 55 25.8	21 40 00

F 3451 is fast by 6.6 secs of True Sid. Time.

Ledgered
Posted.

Apr 22, 1901 (Monday)

B&C 1182	B 394
21 13 19.9	21 09 00
14 19.9	10 00

F. 3451	B 394
24 1~~8~~7 22.5	21 58 00.0

F3451 is 4.1 secs fast of True S.T.

Apr. 23 1901 (Tuesday)

Posted.

F3451	B394
23 29 10.0	21 06 00
30 10.0	07 00

F. 3451 is 3.4 secs. fast of True Sid. Time.

B&C1182	B394
21 14 19.5	21 10 00

Apr 24 1901 (Wednesday)

B & C 1182	B 394
21 08 43.6	21 06 00

F3451	B 394
23 32 03.~~6~~8	21 05 00
33 03.9	06 00
34 04.0	07 00

F3451 is $\overset{sec}{0.9}$ fast of True Sid. Time.

Posted.

Apr. 25, 1901 (Thursday)

F 3451	B 394
23 32 58.6	21 01 0.0
32 58.7	02 0.0

Frodsh 3451 is 0.07 sec. slow of True Sid. Time.

B&C 1182	B 394
21 17 52.0	21 13 0.0

Apr 26, 1901 (Friday)

BD C 1182 B 39 X

7 09 52.0 7 05 55

Phot T. Nova Persei W Ok

3 24 +43.6

9 44

6 20

Left

Led.
Plattat

185.8 nova dis.

7 35.6 241.8 58.0 ×

3.1 53.7 ×

56.8 111.7 × − 1.38 ×

185.1 − 1.37 ×

237.1 52.0 ×

0.8 60.6 ×

~~#~~61.4 112.6 × − 1.36 ×

Right

Mean = −1.42

92.4

147.7 55.3 ×

275.2 51.7 ×

326.9 107.0 × − 149 ×

95.4 − 148 ×

7 44.0 145.5 50.1 ×

79.6 273.9 57.3 ×

7 39.8 331.2 107.4 × − 148 ×

5 − 4.9

12 34.9 G. M. Time

5501. 524

Oil dome

Apr. 26, 1901

Same Again

Right
92.1
~~#7~~ 46.2 147.2 55.1x
276.4 50.6x
327.0 105.7x — 1.52x

94.2 —1.46x
146.9 52.7x
272.8 57.6x
330.4 110.3x —1.41x

Left Mean = — 1.46x
1.5
58.0 56.5x
186.5 51.1x
237.6 107.6x — 1.47x

— 1.47x
6.0
7 54.6 56.4 50.4x
7 50.4 183.6 57.2x
5 — 4.9 240.8 107.6x — 1.47x
12 45.5 Gr. M. Time. Final Mean = — 1.44x
5 581.532x 7.25x
Pos Ang = 74.6 mag = 5.81x
Spr. Wheel = 2.5 a
" " = 35 b

Apr. 26, 1901

Phot 7. R Urs. Min W Cls

16 34 + 7 29
11 00

5 34

clouds 6 26

Right & above

~~180.3 < comp * dis~~

~~8 47.0 242.6 62.3~~

~~357.0 cls. 67.2~~

~~64.2 129.5 + 0.99~~

~~cls.~~

~~177.6~~ ~~109~~ +1.04

~~242.0 64.4~~

~~1.1 60.7~~

~~61.8 125.1 + 1.08~~

~~L & B,~~ Mean = + 1.12

~~92.8 Cls pass gone~~

~~149.5 56.7~~

~~268.3 64.3~~

~~332.6 121.0 + 1.17~~

90.2 1.20

9 07.4 152.6 62.4

272.3 55.4

327.7 117.8 + 1.26

Reject above group as it was ~~taken~~ through varying cls

Apr. 26, 1901

R Urs Min   W Ob.

Left T B   Led. Plotted.

92.8
9 10.5 148.~~2~~5   55.7×
270.1   62.0×
332.1   117.7× + 1.24×

88.8   + 1.22×
151.4   62.6×
272.0   57.1×
329.1   119.7× + 1.20×
R T B   Mean = + 1.1~~6~~3×
359.5
60.8   61.3×
177.7   65.9×
243.6   127.2× + 1.04×

358.0   + 1.04×
9 18.7   62.0   64.0×
9 14.6   180.4   63.1×
5 = 4.9   243.5   127.1× + 1.04×
14 9.7× Gr. M. T.
5501.590×

Apr. 26, 1901.

Same again

R & A

0.6
9 20.4 58.8 58.2
178.1 65.7
243.8 123.9 +1.11

+1.10
0.4
62.5 62.1
~~180~~ 179.8 62.5
242.3 124.6 +1.09

L & B Mean = +1.14

271.8
329.1 57.3
88.8 63.0
151.8 120.3 + 1.19

+1.17
268.1 63.5
9 28.8 331.6 58.3
9 24.6 92.2 121.8 +1.15
5 - 4.9 150.5 Final Mean = +1.14
14 19.7 Gr. M.T. Return last 2 group sky clearer
5501.597 decidedly

Spr. Wheel = 4.5
" " = 5.7

Pos. ang. accidently moved

Apr. 26, 1901

χ Cygni no Obs.

19 45 + 32.6
12 15
7 30
4 30

Too low

δ Bootis no Obs.

14 16 + 54.6
12 28
1 48
10 12

14 16 + 54.6
12 34
1 42
10 18

14 18 + 54.2
12 40
1 38
10 22

10 20 α^{k} 2 var, var 37
power 27° used

Apr. 26, 1901

Phot χ Cygni w Obs

19 45 +32.6
12 55
6 50
5 10

19 41 33.4
13 03
6 38
5 22 Led.

R φ a.
193.2 { camp* dis
11 04.0 227.9 34.7+
12.9 35.5+
48.4 70.2+ + 2.50+
194.3 + 2.52+
229.7 35.4+
14.0 33.6+
47.6 69.0+ + 2.54+
L φ a. mean = +2.58+
104.8
137.4 32.6+
283.5 34.4+
317.9 67.0+ + 2.61+
103.8
11 10.4 137.5 33.7+ + 2.64+
11 7.2 286.0 31.1+
5 - 4.9 317.1 64.8+ + 2.68+
16 02.3 Gr. M.T. 5501.668+

Apr. 26, 1901.

Same Again

L O B

104.4

11 12.2 138.0 33.6

281.7 35.7

317.4 69.3 + 2.53

103.5 + 2.60

137.9 34.4

286.3 31.0

317.3 65.4 + 2.66

R & a Mean = + 2.57

13.5

47.9 34.4

193.2 35.9

229.1 79.3 + 2.50

13.2 + 2.54

11 18.6 48.7 35.5

10.8 194.4 32.6

11 15.4 227.0 68.1 + 2.57

5 – 4.9 Poz Ang = 202.5 Final mean = + 2.58

16 10.5 Gr. M.T. Spr. Wheel = .6.5 a

5501.674 " " = 7.5 B

Friday April 26. 1901

Dis of Jup. I Phot. R
W. Obs. Colson Recorder.
Compared with nearer sat on following side = sat III
Seeing pretty good.
Reduced & checked

14 51 26 +0.5 292.8 75.3
45 8.1 80.3
77.8
14 57 49 After first two setting changed into ~~another~~ quadrant in order not to read over the zero.
-4 52
14 46 57 but comparison sat. made to disappear in all the readings.
57 110.0 1
52 08 190.3 I
52 33 187 112.0
-4 52 26 +0.6 189.0 77.0
47 41 40 112.7 2 73.3
75.2
49 186.0 II
53 11 58 114.9
4 52 53 07 +0.6 189.2 74.3
48 19 16 113.1 3 72.4
73.4
24 185.5
53 08 32 114.0 III
4 52 41 + 185.5 71.5
48 56 54 +0.7 113.3 4 72.7
54 05 186.0 72.1
12 113.3
20 187.0

April 26. 1901.

				73.7		
54 26		30	+0.7	69.7	115.1	5
4 52		41		71.7	184.8	#
49 34		49			114.2	
		57		72.3	186.5	
55 00 14	55	05	+0.7	71.8	114.0	
−4 52		12		72.0	185.8	6
50 08		~~25~~			~~186.0~~	
14 50 49		41	+0.7	70.9	115.0	
56		48	0.9	65.8	185.9	
55 11	56	03	1.0	63.4	120.1	
18		10	1.1	61.7	183.5	
25		17	1.2	60.7	121.8	
37		29	1.2	60.5	182.5	
44		36	1.3	58.2	122.0	
50		42	1.2	59.1	180.2	
55		47	1.3	57.8	121.1	
52 2		54	1.5	53.4	178.9	
8		00	1.6	57.0	125.5	
17	57	09	1.7	49.5	176.5	
24		16	2.1	41.5	127.0	
37		29	2.5	35.5	168.5	
48		40	2.7	31.8	133.0	
54		46	3.2	25.9	164.8	
53 1		53	3.7	20.2	138.9	
8	58	00	4.2	16.1	159.1	
16		08	4.4	15.0	143.0	
28		20			158.0	

Not seen later

April 26. 1901,

Limit of visibility

37 143.1

58 50 + 46 14.4 + 157.5

4 52 54 15.5 + 143.3

53 58 + 59 02 +4.4 15.0 + 158.8

B. & C. 1182. B. 39 K.

15 13 52.2 15 9 0.0

14 52.1 10 0.0

Apr. 26. 1901. Posted.

Hall's Comet. W. S.

25
7 30 ~~+2.5~~ +3.5
19 12

+6 18

Comet not found.
Tried field glass and colored glasses, also but comet not seen.

F3451 B394
23 38 55.0 21 04 00
39 55.0 05 00
F3451 is 0.8 secs slow of True S.T.
B&C1182 B394
21 12 53.5 21 08 00

apr 27, 1901 (Saturday)

B9C1182 B39x

7 07 51.5 7 03 55

Plot Nova Persei W.Ok

3 2x +43.6

~~9~~

11 0 08

6 44

Left Led.

198.0

7 45.4 22~~0~~.8 28.8 x

17.2 26.8

44.0 55.6 − 3.03

198.2 − 3.03

225.6 27.4

16.8 28.2

45.0 55.6 − 303

Right mean = − 3.10

107.1

134.6 27.5

288.2 24.7

312.9 52.2 − 3.17

108.4 − 3.16

7 52.8 133.5 25.1

98.2 287.3 27.5

7 49.1 314.8 52.6 − 316

5 − 4.9

12 [illegible] G. M. T. 55 02 5.31 x

Oildome

Apr. 27, 1901

Same Again

Right

	107.5		
7 55.2	134.4	26.9 ±	
	287.2	28.1 ±	
	315.3	55.0 ±	– 3.06 ±
	106.4		– 3.04 ±
	134.1	27.7 ±	
	287.2	28.2 ±	
	315.4	55.9 ±	– 3.02 ±

Left

Mean = – 3.06 ±

	15.3		
	45.8	30.5 ±	
	199.5	24.3 ±	
	223.8	54.8 ±	– 3.07 ±
	17.8		– 3.07 ±
8 04.0	43.6	25.8 ±	
11.92	197.8	29.0 ±	
7 59.6	226.8	54.8 ±	– 3.07 ±
5 – 4.9			

(Poz. Ang = 254.4)
(Spr. Wheel = 258.35)

12 54.8 – 9/2 m.t.
5502. ± 339 m.t.

– 3.08 ±
7.25 ±
Magn. = 4.17 ±

Apr 27, 1901
Mean of Compts for Nova Per.
Star f. with (7.25)
e

Left   Led

~~294.0~~
~~8 20.0~~ ~~306.8~~

Left
294.6
8 26.0   309.9   15.3×
125.0   11.3
126.3   26.6×   + 4.67
294.9   +4.63
307.6   12.7×
113.8   14.8×
128.6   27.5×   +4.59
Right   Mean = +4.68×
202.6
217.8   15.2×
25.2   11.0×
36.2   26.2+   + 4.70

204.~~9~~6   +4.72×
8 36.0   217.3   12.7
8 31.0   24.8   13.2
5 -4.8   38.0   25.9×   + 4.73

13 26.2 Gr M Time.
5502.560+

Apr. 27, 1901

Star d

Red.

Roa — W Ok

200.3
8 42.6 — 221.0 — 20.7 x
21.0 — 20.2 x
41.2 — 40.9 x — + 3.72 x

201.1 — + 3.74 x
221.1 — 20.0 x
20.4 — 20.3 x
40.7 — 40.3 x — + 3.75 x
LfB

113.6 — Mean = - 3.83 x
130.~~8~~7 — 17.1 x
289.6 — 20.5 x
310.1 — 37.6 x — + 3.91 x

111.3 — + 3.92 x
8 51.0 — 131.7 — 20.4 x
95.6 — 2928 — 16.6 x
8 46.8 — 309.4 — 37.0 x — + 3.94 x
5 - 4.8
13 42.0 x G.M.T.
5502.571 x

Apr 27, 1901

Star c

Led

Left
287.3
8 55.5 314.5
109.3
133.0

27.2
23.7
50.9 + 3.24

+ 3.30

290.2
312.7
108.5
134.2

22.5
25.7
48.2 + 3.35

Mean = + 3.32

Right
198.5
222.2
18.2
42.1

23.7
23.9
47.6 + 3.38

+ 3.35

198.5
9 02.0 222.8
117.5 18.0
8 58.8 42.7
5 - 4.8
13 54.0 G.M.T.
5502.579

24.3
24.7
49.0 + 3.32

Apr. 27, 1901

Star 6

Right — Decl.

12.3
9 08.4 46.8 — 34.5 ×
191.8 — 39.0 ×
230.8 — 73.5 × — + 2.39 ×

10.1 — + 2.34 ×
49.0 — 38.9 ×
193.0 — 37.5 ×
230.5 — 76.4 × — + 2.30 ×
Left — Mean = 2.40 ×
284.2
319.9 — 35.7 ×
101.6 — 37.7 ×
139.3 — 73.4 × — + 2.40 ×

280.7 — + 2.45 ×
9 16.6 319.9 — 39.2 ×
25.0 106.4 — 31.1 ×
9 12.5 × 137.5 — 70.3 × — + 2.50 ×
5 – 4.8
14 07.7 × Gr M.T.
5502.089 ×

Apr. 27, 1901.

Star a

Left
94.3
9 35.0 149.4 55.1+ Reject.
278.3 46.6+
324.9 101.7+ + 1.61+

98.2 1.68+
143.7 45.5+
276.5 50.8+
327.3 96.3+ + 1.75+

Mean = 1.37+

Right
358.3
61.8 63.5+
178.8 64.1+
242.9 127.6+ + 1.03

356.8 + 1.06
9 44.6 67.3 60.5+
79.6 187.6 64.7+
9 39.8 242.3 125.2+ + 1.08
5 - 4.8
14 35.0+ Gr. M.T.
5502.608+

Apr. 27 / 1901

Nova Persei W Ob. III

Right — Red.

283.5
9 47.6 3~~0~~13.9 30.4×
107.8 25.3×
133.1 55.7× - 3.03×

2~~0~~89.1 - 3.12×
313.4 24.3×
106.8 27.4×
134.2 51.7× - 3.20×

Left — Mean = - 308×

199.0
232.4 33.4×
19.8 22.1×
41.9 55.5× - 3.04×

- 3.04×

280.4
9 57.8 224.1 23.7
104.6 13.5 31.9× - 3.03×
9 52.3 45.4 55.6× - 308
5 - 4.8 7.25
14 47.5 Gr. M.T. Magn = 4.17×
5502.616×

Apr. 27, 1901.

Left
199.0
10000.0 3200 21.0

Observations in last group on Nova Persei pretty dif[ficul]t and a little uncertain. Region very low, moon rather bright and much glare at this low altitude in sky also probably some cloud apparently, still more so in north. Immediately on finishing last setting in last group. comp Star disappeared so that a second could not be taken.

R Lyncis W.C.L.
6 49 +55.1
12 49
6 00

10 25 ~ 1 var, var 3 s large ~~tel~~

S Cygni W.C.L.
20 8 +57 2
13 3
7 5
4 5 5

Apr. 27, 1901

Star u not certainly seen
Star t faintly seen.
Star u poss. susp. at intervals

S Cygni carefully looked
1046 for but not certainly seen
even when adjacent 9th magn
star is put behind bar on eye
piece Star t glimpsed at intervals
it would seem that var is at least
1 gr fainter than star t.
Moon somewhat troublesome
and sky ~~slightly~~ a little hazy

~~T Ursae~~ w Ch
Double −19° 3879, 3880
Phot R
14 20 −19.5
13 32
0 48
11 12

Pos ang 29°
Dist 1.2 magns 7.0 − 7.3

Over

Apr 27, 1901
Double = -19° 3879 - 3880
for Double see prev Page

Right
105.6 < brighter dis
11 05.0 193.8 88.2
293.7 72.3
366.0 160.5 - 0.37

112.0
187.1 75.1 -0.36
287.0 87.8
314.8 162.9 -0.32

Left 0.36
17.4
103.4 86.0
201.6 74.7
276.3 160.7 - 0.37

20.9 0.39
11 12.0 93.5 72.6
17.0 197.3 86.0
11 8.5 283.3 158.6 - 0.41
5 - 48
16 37 Gr.M.T.

Apr. 27, 1901 Posted

T Urs Maj

12 33 +60.4
13 53
1 20

~~12~~ 11 40 a 1.5 var, var 3.5 t
ob. rather diff on account of moonlight & some haze. but var thought to be ident all right & est fairly good.
It would be well to ob. again when moon is low.

~~12~~ 11 56

Apr. 28, 1901 (Sunday)

Halls new Comet

3 10 + 43.0
9 20
6 10 { W. Obs / ~~C.~~ C. Obs }

6:30 to 7:30 Search made with principally fieldglass & naked eye but comet not seen.

Led-

Nova Persei W Obs

7" cap used 3 24 + 43.6
10 08
6 44

12. 51.1 Gr M T.
5502. 535

Left

7 5 20 3.9
55.3 51.4 ✓
189.3 44.3 ✓
233.6 95.7 ✓ − 1.76
8.4
51.7 43.3 ✓ − 1.78
186.0 50.8 ✓
236.8 94.1 ✓ − 1.81

right

276.8 mean = − 1.84
326.4 50.2 ✓
101.0 41.6 ✓
142.6 91.8 ✓ − 1.87
280.0 − 1.90
8 00 0 322.2 42.2 ✓
98.2 47.6 ✓
7 56.0 146.8 89.8 ✓ − 1.92
5 - 49

Apr 28, 1901

Same Again

Right

276.8

8020 325.1 48.3

100.7 41.1

141.8 89.4 −1.93

279.2 −1.94

320.6 41.4

966.6 47.4

144.0 88.8 −1.95

Left Mean = −1.86

187.2

237.0 49.8

8.2 44.6

52.8 94.4 −1.80

190.8 −1.77

8 13.0 233.8 43.0

8 07.5 3.2 53.7

5 ~~4~~.9 56.9 96.7 −1.74

13 2.6 Gr. M. T.

Box Orig = 25.44 1.85

5502.544 Sprocket Wheel = 2.5 a 1.25

" " = 3.5 B 5.40

Nova ~~rather~~ reddishy ~~somewhat~~ hazy & smoky, but relative to comp* it looks considerable redder than last night

Posted

Apr. 24. 1901.

Swept with Field Glass for Halls' ☄ from ~~4^h 0^m to 5^h 10 — also~~ 16^h 0^m to
17 20 17^h 10^m — also with naked eye, but ☄ not seen.
W. ob.

Mr. Colson also used small Field Glass and naked eye — also tried 6 inch, but did not see ☄

F3451	B394
23 46 47.0	21 04 00
47 47.1	05 00

F3451 is 1.8 secs slow of True S.T.

B&C1182	B394
21 ~~8~~ 13 04.2	21 08 00

Reset B&C1182

21 10 00.4	21 10 0.0

Apr. 29, 1901 (Monday)

B & C 1182   B 39x
7 03 14.5   7 03 00.5

Double Star -25° 3911 - 3914
6 57 - 25.1   20 Obj
9 57
3 00

too low to see companion

Double Star -25° 4821 - 4828
7 34 - 25.1   20 Obj
10 08
2 34

Too low to see companion

Double Star -15° 2049 - 2052
7 43 - 15.8   20 Obj
10 23
2 40

over

Pos ang 140.0

Distance 2.6 ±

Magns = 6.1 - 6.3

Apr. 29, 1901

Double -15° 2049 - 2052

Phot R W Ob

Right A, North

~~280.0~~ 198.8 ~~South~~ Prec dis

7 45.0 283.8 85.0

16.2 87.3

103.5 172.3 - 0.14

197.5 - 0.08

285.0 87.5

11.7 92.2

103.9 179.7 - 0.01

Left B. Mean = - 0.05

102.5

198.3 95.8

288.2 84.6

372.8 180.4 + 0.01

179.6

104.9 - 0.02

7 50.0 192.3 87.4

285.2 90.0

375.2 177.4 - 0.05

Apr 29 1901.

Nova Persei W Obs

Phot T.

3 24 +43.6
10 44
7 20

Abandoned for the present
too cloudy

Double

8 14 – –35.2
11 16
3 00

Too low in clouds

Double W Obs

14 20 – 19.5
11 20
3 00
9 00

Too much cloud at this altitude

8 30 Sky pretty cloudy

Double I

13 26 +65.2
11 20
2 06
9 56

Apr. 29, 1901

~~+~~ ~~Nova Again WOb~~

Double WOb

8 45 Cloudy +65° 935–936

9 00 Cloudy

9 25 cloudy abandoned impossible to get double after long trail on account of clouds

Double

Phot R. Σ 1627 wOb

12 12 – 3.2

12 15

0 03

~~8~~ 9 50 too cloudy

Double +84° 289, 290

12 48 + 84.0

12 38

0 10

11 50

Pos. Ang. 150

Dist 1.0 ±   Magns = 5.5 & 6.1

3

Apr. 29, 1901

Double + 84° 289-290 w6b
photo R.

Below
288.6 < brighter dis
10 04.0 368.1 79.5
114.6 69.8
184.4 149.3 — 0.59

294.6 —0.48
363.6 69.0
106.7 91.0
197.7 160.0 — 0.38

Above Mean = —0.46
197.8
280.8 83.0
23.1 73.8
96.9 156.8 — 0.44

203.6 — 0.44
10 11.8 274.4 70.8
15.8 15.4 86.0
10 - 7.9 101.4 156.8 — 0.44
5 - 0.2
15 7.7

222 Apr. 29, 1901

Double 19 3879-3880

Plot R. 20 Obs

14 20 - 19.5
13 00
1 20
10 40

Pos. Ang 300 Dist 0.8 ± Magn {7.0 7.4}

Above
10 31.6 | 107.0 < brighter dis
191.0 84.0
287.4 84.1
371.5 168.1 - 0.22

105.8 - 0.26
192.8 87.0
290.9 77.8
368.7 164.8 - 0.29

Mean = - 0.26

Below
21.8
97.3 75.5
196.4 88.2
284.6 163.7 - 0.31

15.8 - 0.27
10 39.0 102.6 86.8
200.4 80.9
10 35.3 281.3 167.7 - 0.23
5 - .2
10 35.1

Apr. 29, 1901

-19° 4307 β Scorpii

Pos ang ~~Dist~~ magn.

~~16 00 19.5~~
~~13 35~~
~~2 25~~
~~9 35~~

Σ 2032

16 11 + 34.1
13 36
2 35
9 25

16 4
13 41
2 30
9 30

Σ 1970 β Scorp.

15 40 + 15.2
13 45
1 55
10 05

w Obs.

(over)

224 Apr 29, 1901

Σ 1970 w Ok

phot R

Pos ang 260 Dist 30″

magn 3.3 & 9.4

Left

~~57.4 < brighter side~~ ~~8.6~~

1108.0 ~~66.0~~ ~~6.0~~

~~238.8~~ ~~14.6~~

~~244.8~~

~~5 "~~

~~6 "~~

~~2 "~~

~~2 "~~

Right Mean =

Sky growing cloudy again

11:20 impossible to get double

apr 29, 1801 Posted.

~~B~~ F3451
2405 46.6

B ~~4~~ C 1182
21 24 29.5

B 394
21 19 00

B 394
21 24 00

This book Ledgered,
and plotted. apr. 30, 1901 L.C.