

KG
11366
v. 646

Chronograph Record

A 2

1875

From 1875 Sept 8 to 1876 Jan. 4

Charles W. Sever, University Bookstore, Cambridge.

Sept 8 1875

Vis Rols G. & Nora.

J F M reeds,

Vol = 1298

Sept. 13 1875

W. T. R. obs. Ed.

L. R. M u c d s .

WOT = 1299

Sept. 14 1875

W. R. John. Lib. & now,

Jo. R. Muelz,

not = 1299

1.300

Sept-15-1878-

W. R. also for time and for the work intervals
min the Buff-Berger Transit-

not = 13.0

Stars to be used for wire intervals.
2 Cygni 20^h 52 all but 2 or 3 wires in the middle
J. " 21 7 All.

Sept. 18 1875

V. S. R. obs for time and for three minutes
with the B & B Gauss (Latitude plate)

No 1 = 1302

2 = 1303

Stars observed

γ Aquilae	18 ^h 59 ^m	All.
δ "	19 40	"
β "	19 48	"
θ "	20 4	Lost - 1st wire.
γ Cygni	20 17	
β Delphini	20 31	Lost - last —
ϵ Cygni	20 37	
δ "	Lost ?	
τ	all	
β Apsaron	21 24	
γ Pegasi	21 37	

Sep. 23 1895

N.S.R. for time and for latitude with the B & B Fraising.

Nov = 1304

2 = 1305

2 = 1306

~~Sept.~~

Sept-25

NRK obs. in time & Latitude

Nov = 1307

1308

1309

Sep 26 1875

W. S. R. obs for time & Lat.

Mer = 1310
1311
1312

Sept-27 1895

W.A.R. obs for time & latitude

No 1 = 1303

2 1314

3 1315

4 1316

Sept. 28 1875 -

W. K. Dubb.

J. R. M. reads.

W = 1317

2 = 1318

3 = 1319

J. R. M. says he has occasionally been in
the habit of reading the microscope head thus
min ^{30'} 4' 0.2 instead of ^{30'} 5' 0.2 when there is a near
coincidence with the zero. The true reading in ^{such a} case
is neither of these values but is ^{35'} 0' 0.2. Though 5' 0.2
will answer though not as good. Hence his minutes
are sometimes too small by 1.

Oct 4 1275 W. R. des G. B.

S. L. M. recds.

No 1 = 1320

Oct 5 1875

W. R. Oles. Cb.

I. F. M. redz.

No. = 1321

No cloudy for now.

Oct. 7 1875

~~W. R.~~ J. E. M. L. L. L.

W7 = 1322

Oct 8 1875 J. R. M. for *terre*

Nov = 1323

Oct-10 1871

J. R. Motz. for Time

Nov-1324

CC-12 1475

~~RAF~~ S. P. M. des p. t. m.

W1-1325

Oct-13 1875 W & R Vol. 6. zone and intervals
J. B. M. reads.
of inclined lines for latitude.

$\mu = 1326$

$\gamma = 1327$

Oct. 14 1875

NR des G. G. Zone.

S, R, M, C, S.

NY = 1328

2 = 1329

Oct-17/1875

To A. R. Place, Lib. & more.

G. F. Meade,

Nov 1-1830

CC-181275

N. & R. Oliver S. B. & Home

J. R. Meece.

wt = 1331

1875 Oct. 19

W. A. R. obs. G. C. + Zone

W. A. R. records till 20 45

J. F. M. records from 20 45 to end.

Net = 1332

1875 Oct 20

M. & R. obs. G. b. & none

J. R. M. recd.,

NOV-1333

2-1334

Oct 21 1875

W & R obs h. b. ~~2000~~

L. F. M. ues.

no 1 - 1335

CC125 1275

N. & R. obs G. B. & home.

S. R. M. v. d. z.

101 = 1336

2 = 1337

Oct 27 1875 No R, obs G. L. & Jones
J. R. Mudds.

No 1 = 1338

2 = 1339

Oct. 21 1875 NAR Lesattemp. 62.0. Clouds.
Observed for time
not = 1340

Nov 18 75 W.A.R. des for time

Nov-1341

Nov 2 1895

W & R obs. lib, too cloudy for some
J. F. M. reads,

Nov - 1342

Nov. 3 1875 No. R. Polaris. 1.6.

I. R. M. reads. No cloudy for name.

W1 = 1343

2 = 1344

Nov 4 1875

W. R. Jones, G. L.

J. R. M. Jones,

Nov 13 95

NGC 475

M1-1346

2-1347

No. 1015 G.C. 2nd ed.

S.P.M. recd.

Nov 1835

V 182 obs L.C. too cloudy for now,

J. E. M. recd.

No 1 = 134 2

Nov 8 1875 W. T. R. den Gb & more.

Game up more of the stars on account of the extremely
bad seeing

J. R. M. needs

207-1349

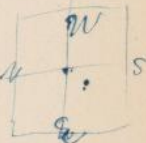
Nov 9 1875 W. R. L. obs. L. G. No cloudy for some
W. R. L. obs. L. G. No cloudy for some
W. R. L. obs. L. G. No cloudy for some
W. R. L. obs. L. G. No cloudy for some

Examined α Draconis with the equatorial.

With a low power (about 160) through I saw the companion. This

Companion red. Distance = $0.5''$

With powers from 140 to 600 could see no separation $P = 80''$
 $\Delta = 0.5''$



After this observation sent for Mr. Hensel who made an independent
observation. From his dictation I copied as follows.

Companion foreseen. $P = 175''$ by estimation. Distance = $\frac{1}{8}$ dia. main star or about
equal to the dia. of companion. He saw it thus 

Upon a reexamination I thought I could detect the separation ^{at distance} ~~well~~ but was not sure
but neither of us could see it with higher powers.

Nov 10 1855. No. 102 for time

Nov-1352

Nov. 11 1895

W. R. Sts. Gb. & Kane. J. F. Mucos.

Nov 1 = 1353

2 = 1354

Nov. 17 1875

Mrs. Robt. G. Lane

J. R. Mearns, &

Nov - 1355

2 - 1356

Set - S. C. ~~foote~~ ^{as} ~~manile~~

Nov 21 1875 W. R. Shufeld,

J. R. Mearns,

Nov - 435 8

Nov. 22 1875 W.R. Sec. G.C. & Wore,
J.R. M. recds.

101 = 1359
2 = 1360

Note on the magnitudes of the zone stars.

I have observed with a few meters that ^(highly) many magnitudes are generally
larger than Argelanders. I do not think I have changed my scale.
What I call a 9.0 ~~is~~ set down as about 8.8. Formerly a 9.5 has been
rather difficult to observe in good illumination, but even on this date when
the seeing was very bad, a 9.5 seemed to me to be about 9.1 or 9.2.

Nov. 23 1875

W. R. does for him

Nov = 1361

Nov. 24 1895

W. R. de. G. - home.

no 1 = 1362

Nov 27 1875

J. B. Mole. future

Nov 1363

Nov. 29 1875

Mr R. obs. Gb.

L.R. records,

Started on none. Toobad seeing

W1=1364

Nov 30 1875 W.A.R. obs. G.B. ~~none~~

J. B. Mreeds. very bad seeing

Nov - 1365

The extreme change in the temperature seems to
have affected the ^{relative} positions of the microwaves very decidedly.

Dec. 1 1875

W. R. D. L. S.

I. B. M. Reeds,

Started none. Ch. f. Gas from up.

No 1-1366

Dec 2, 1895

W. R. de G. C. Attenuated wave. Ch. f.

I am recd.,

WOL-1347

1875, Dec. 4

J. F. M. Is. for time

$22.9 =$ θ Aquarii

" 18 = π " "

" 28 = η " "

" 34 = ζ Pegasi

No 1 = 1368

Dec. 6 1845

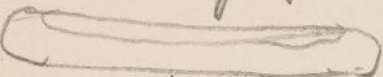
N. A. R. obs. lib. & note.

Nov = 1369

" = 1370

1875 Dec. 8

Reading of Buff + Berger Level

a  b

level Circle "

a = 66.4 40 2 16.1
b = 1.6 8 40 2 16.2 16.15

a = 57.2 40 2 21.2 2630
b = 12.1 21.7

a = 45.7 40 2 34.1 3330
b = 23.9 32.5

a = 37.6 40 2 40.6 4075
b = 32.6 40.9

a = 34.9 40 2 52.6
b = 45.2 52.452

a = 85.9 40 3 2.6
b = 54.6 1.8220

a = 13.8 40 3 7.9 800
b = 64.2 8.1

a = 70.8 40 3 8.9 880
b = 0.3 8.9

a = 60.3 40 3 17.8
b = 10.9 18.1 17.8

1875 Dec: 8

$$a = 50.3$$

$$b = 21.3$$

$$40 \ 3 \ 26.9$$

$$27.8$$

$$144$$

$$2720$$

$$a = 39.9$$

$$b = 32.2$$

$$40 \ 3 \ 36.1$$

$$37.1$$

$$36.60$$

$$a = 20.9$$

$$b = 41.1$$

$$40 \ 3 \ 45.1$$

$$44.9$$

$$100$$

$$45.2$$

$$a = 21.3$$

$$b = 50.5$$

$$40 \ 3 \ 56.6$$

$$56.8$$

$$a = 9.1$$

$$b = 63.1$$

$$40 \ 4 \ 4.4$$

$$4.4$$

$$a = 1.3$$

$$b = 71.2$$

$$40 \ 4 \ 10.8$$

$$10.8$$

Level

$$e = 56.3$$

$$w = 72.0$$

reversed

$$e = 56.2$$

$$w = 71.8$$

22

$$\begin{array}{r} 56.3 \\ 56.2 \\ \hline 5 \\ 5625 \end{array}$$

$$\begin{array}{r} 72.0 \\ 71.8 \\ \hline 38 \\ 7180 \\ 5625 \\ \hline 1565 \\ 4 \overline{) 1565} \\ 390 \\ \hline 165 \\ 312 \\ \hline 6 = -21 \end{array}$$

1875, Dec. 10

J. F. M. obs. for time

β Aquarii = 21 24

α " " = 21 59

π " " = 22 18

γ " " = 22 28

$m = 1371$

Dec. 12 1875

Mr. R. v. L. G. L.

I. R. M. v. L. No 1-1372

Dec. 13 1875

W. R. Olin, G. B. & Son,

Dr. Moody,

No 1-1372

Dec. 14 1875

W. R. oles. Gb. Shore.
J. R. M vcd 2
no 1 = 13/4

Dec 14 1875
Saprop. Sta.
AR = 0 h 10 m 34 s 74 y 16'

50	0	30.4	31.0	1	3.8	5.1
50	1	24.1	24.9	1	42.9	42.9

[illegible]

1875 Dec. 15

A. R. = $0^{\text{h}} 10^{\text{m}} 8^{\text{s}} = +47^{\circ} 15'$

H. R. obs. 46.

I. B. mod.

Nov = 1375

$\log i = 8.98903$

$\log 15 = 1.17609$

$\log 115 = 12$

$\log 174 = 2.24045$

9.94686

"
57.0
57.8
58.6
59.0
60.0

1875, Dec. 16.

J. F. M. Obsd for time

	h	min
α Cass =	0	33
21 Cass =	0	37
ϵ Piscium =	0	56

1875, Dec. 17

J. F. m. obs. for time

		h	m
λ Aquarii	=	22	46
α Pegasi	=	22	58
σ Cephei	=	23	13
$\dagger$ Piscium	=	23	21

h m
0 10

1875, Dec. 18
W. R. S. S. S.
S. P. M. u. e. s. h. o. i. = 1376

50	0	20.9	21.1	0	42.0	41.9
50	1	18.3	17.4	1	41.9	41.4
50	1	51.8	50.2			

50 20.9
21.1

42.0
50 21.00

50 42.0 ~~41.9~~
41.9

89
50 41.95

51 18.3
17.4

15.7
51 17.85

51 41.9
41.4

13
51 41.65

51 51.8
50.2

2.0
51 51.00

1875, Dec. 22

J. F. M. obs. for time.

W Piscium = 22 ² ₅₋₃ ^m

(a Andromedae = 0 2 ?) circuit broken.
(γ Pegasi = 0 6 ?)

No 1 = 1377

1875, Dec. 23

J. F. M. obs. for time

	h	m
α Andromedae =	0	21
γ Pegasi =	0	6

No ~~1~~ = 1378

1875, Dec. 27

J. L. M. obs. for time

ω Piscium = 23 52

γ Pegasi = 0 6

α Cass. = 0 33

No 1 = 1379

1875, Dec. 31

J. F. M. Sbs. for time

	^h	^m
a Cth	2	55

48 Cephei	3	4
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7 Arietis	3	7
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1875 Jan. 9

J. F. M. obs. for time

h m
0 56 = ϵ Piscium

Jan 4 1876 -

W.D.R. returns to the Observatory after an absence
of **2** weeks on account of illness.

On account of this absence the L.C. Catalogue is a
little deficient in observations towards the end.

Jan 7

$$a = 39.8$$

$$50 \quad 3 \quad 10.5$$

$$b = 26.3$$

$$a = 31.4$$

$$\begin{array}{r} 8.4 \\ 8.0 \\ \hline \end{array}$$

$$50$$

$$3$$

$$18.5$$

$$8.00''$$

$$b = 34.3$$

$$a = 40.4$$

$$9.0$$

$$50 \quad 3$$

$$10.5$$

$$8.00''$$

$$b = 26.1$$

$$8.2$$

$$a = 29.8$$

$$10.6$$

$$50$$

$$3$$

$$19.9$$

$$9.4''$$

$$b = 37.0$$

$$10.9$$

$$a = 39.2$$

$$9.4$$

$$50$$

$$3$$

$$12.1$$

$$7.8''$$

$$b = 27.2$$

$$9.8$$

$$a = 29.9$$

$$10.0$$

$$50$$

$$3$$

$$20.8$$

$$8.9''$$

$$b = 37.2$$

$$9.5$$

$$a = 39.9$$

$$10.0$$

$$50$$

$$3$$

$$11.3$$

$$b = 27.2$$

1 Silver		3 ⁰⁰
1 Silver		2 ⁰⁰
1 " "	4 ⁰⁰	2 ⁵⁰
1 " "	4 ⁰⁰	4 ⁰⁰
1 " "	2 ⁰⁰	3 ⁰⁰
1 " "	1 ⁰⁰	6 ⁰⁰

= 57.0
 = 18.5
 = 11.2

