

KG
11366
v. 645

From 1875, Jan 20 to 1875, Sept. 5
Chronograph
Record.
A. 1875

Charles W. Sever, University Bookstore, Cambridge.

856 33 + 17 11
 901 41 + 16 56
 905 32 + 17 03

Apr 7 1875
 +

5	2	20.7	28.9	-3	5.3	13.1
10	0	22.4	31.1	1	9.9	18.5
0	3	25.0	32.8	4	9.8	16.9

55	2	31.4	41.4	1	32.1	41.9 reg. A2
55	0	45.0	54.8			
10	0	21.8	30.9	1	18.8	27.4
0	3	28.3	38.2	4	13.9	23.9
55	0	31.9	43.7	1	18.2	28.9

Apr 11 55 0 31.9 43.7 1 18.2 28.9

comp. Nov 6 12

$\lambda \approx 5''$
(6750) 16 52 20 - 24 0 36.

July 3 1875 0 4 58.3 1874

July 7 1875 10 4 49.1 9 14 50 33.7 54.8
5-0 53.1 14.3

0 4 39.2 54.2 5 0 37.5 57.8

Jan 20 1875

WOK Obs. h.b. & zone

WOK vol. 1

no. = 1170

Jan 25 1875

W.A.R. obs. G.B. & home

W.A.R. reads till ~~noon~~ 4^h 17^m

J.F.T.M. reads. from 4^h 17^m to 5^h 8^m

W.A.R. reads after 5^h 8^m

(1171 = 1171)

2 = 1172

1875, Jan. 26

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

W. A. R rec'ds till 4^h 17^m

J. F. M rec'ds. from 4^h 17^m

no 1 = 1173

2 = 1174

Jan. 27 1875

J. S. R. dis. h. & none & Comp #5 (1112) & Jan.

J. S. R. recs till 235

J. F. M. rec. from 2^h 35^{min}

Nov = 1175

2 = 1176

Jan 30 1875

N. R. obs. lib. none and Sun Compass stars.

J. F. M. recds.

1001 = 1177

2 = 1178

Vol. 1 1875-

W. A. Rous. G. L. & Home.

D. F. Meadows,

Vol = 1179

Feb. 2 1875

W. R. obs. G. B. m

Too hazy for zone.

J. F. M. u. d. s.,

$\mu\alpha = 11^h 10^m$

$\mu\delta = 1^{\circ} 11'$

Note. ~~In the reduction in~~ In taking out the apparent-right-
ascensions from the Berlin ^{epoch} ~~epoch~~, observe that for all
dates after the ^{asterisk} ~~#~~ the day is one different from that given in
the American Ephemeris. Look out for this point in the case
of circumpolar stars.

Feb 4 1875 N.A.R. obs. G.B.
J. E. Meads,
ny = 1182

Feb. 6 1875

J. E. M. obs. for time

1107-1113

Feb. 8 1875

W. R. R. obs. G. B.

J. P. M. u. d. s.

No 1 = 1189

no bod seeing for now

Feb. 9 1875-

W. R. R. obs. 66.

J. F. M. reads,

not = 1185

no bod seeing for now.

Feb. 10 1875

7.18 R. obs. G. L.
I. C. M. reads.
Gas goes out.

$m = 1186$

Feb. 11 1875
484R D 2 future
no. = 1127

Feb. 10 1875-

Nov = 1188
2 = 1189

N. S. R. dis. h. b. & name
I. R. M. t. c. d. s.,

Feb. 14 1873 Mr. R. S. G. H.
D. F. M. reads,
wt = 1196

For too seeing for none.

Examined the inclination
and found it not changed

Feb. 15 1875

W. A. R. des. Lib. & more.

J. R. Meads.

no 1-1191

Feb. 16 1875
N. A. R. obs. G.
S. P. M. regd.
No cloudy for now

001-1192

Feb. 17 1875

Vis. R. obs. G. H.

J. E. M. u. e. d. s.

int = 1191'

Cleand off to. late for work.

Feb. 18 1875
W. R. Rolz Gb. & Zone.
St. F. M. uods,
No 1 = 1192
2 = 1193

Sept. & Feb. 22 1875

W. R. R. obs. G. b. & horse,
J. F. M. recds.

Nov = 1184

2 = 1195

Feb. 24 1875

1875, Feb. 25

W. R. Vols. G. B. & Home

J. P. M. v. o. c. s. be 46.935

No 1 = 1196

2 = 1197

examined the setting for collimation and found it to

Inclination examined and found unchanged.

The value of α found from the time observations is clearly different from the value for previous dates.

The position of the instrument seems to have changed both in α and δ . Examined the setting for collimation and found it to be correct. This sudden change takes place at the same time with a remarkable change in the temperature. Does the blowing out of the front affect the stability of the foundations?

Feb. 28/1875

W. R. des. G. & home,
No 1 = 1198 ^{cl. R. M. u. ad.}
2 = 1199

Mar 4 1895

W.H. & Poles Gb. & more.

A.E. Meadows,

WV = 1200

Mar 31 1875 W. A. R. obs. G. & Hone
J. D. Mearns:

Stopped the South Clock at about 8^h sidereal time - removed
all the weights from the pendulum, and ~~lowered~~ raised the
jar mercury jar about $2\frac{1}{2}$ revolutions. Set the clock about
16^s fast.

~~1201~~
~~2 = 1202~~

Mar 8 1875

W. R. R. Oles. G. C. & none.

J. R. M. ucds.

no 1 = 1201

2 = 1202

3 = 1203

Found Microscope E disturbed, the change in position being over
5'. Mr. Wilson probably disturbed the position by hitting it in moving
the steps.

Mar 11 1875

W. H. R. obs. G. B. & Stone

I. R. M. recels

No 1 = 1204

2 = 1205

May 17 1875

W. S. P. des. Gb. 2 none

J. R. Mads,

Wot = 1206

2 = 1207

Examined the verticality of transit threads. No disturbance.

Mar 22 1875

W.R. Oles. G.B. and attempts more.

Current failed on none

W.R. recds. tree 6^{h m}

J.F. M. recds. from 12^{h m}

Nov-1210

2-1211

Mar 23 1895

W. R. Ols. Lib. & Home

L. R. M. v. d. s.

no 1 = 12 12

2 = 12 13

Mar 25 1875-

W.A. Rols Lib. & home,

J. R. M. Rols,

No. = 1214

Mar 27 1875

W & R Mrs G. L. & home.

J. E. M. ~~the~~ roads.

Qty = 12 15

Mar 28 1875

W.R. de G.

J. B. M. v. d.

W. 1216

Mar 29 1875

W. R. Oliver. G. B. & zone.

J. R. M. recd 2.

No 1 = 1214

2 = 1218

Mar 30 1875

W.A. R. Old. Gt. & home.

J. R. M. ued o.

W1 - 1219
2 - 1220

Mar 31, 1875

W.A.R. obs. Gb. & home,

I.P.M. reads,

No 1 = 1221

2 = 1222

I stopped the South clock at about 8^h sidereal time - removed all the weight from the pendulum, and raised the mercury jar about $2\frac{1}{2}$ revolutions. Let the clock about 16 sec. fast

Apr 5 1875

W.R. obs. G. b. zone.

S.P. Meads.

W 1 = 1223

2 = 1224

The rate of the sun clock being about 2.5^s losing, the clock was stopped at $9^h 50^m$ (S.T.) and the jar was set up $2\frac{1}{2}$ revolutions. Set about 3.5^s fast.

Apr 7/1875 W.A.R. v. L. G. S.
J. R. M. reads,

$$M_1 = 1225$$

$$2 = 1226$$

Set the S.C. arm at $8^h 50^m$ after adjusting $\text{p.d.d.} = +1.5^s$

Apr 10 1875

W. R. R. G. & H. R. R.

T. F. M. v. d. s.

W. R. = 1227

2 = 1228

Apr 11 1895
W.R. Lee. Gt.
J.E. Mudds,
No 1-1229

Apr 4 1875

W.R. de Gb. & hore.

J. S. M. ued

Mu-1230

Apr 15 1875

W. R. des. G. B. Stone.

J. R. M. u. d. s.

Nov = 1231

Apr 19 1875

W. R. Roberts. L.L.

S. E. M. records.

Reg = 1232

Apr 20 1895

V.V.R. obs. Gb. & zone.

J. E. M. recds.

wt = 123.3

Apr 21 1875

V.R. du Lib. now

J.R. Mads.

101-1234

Am 22 1875

W. R. ~~Steele~~ G. Barne

J. B. Mudds

Nov 12 35

Apr 24 1875

W. A. R. Oles G. C. Shome,

S. B. M. Reads,

No 1-1236

Apr 25 1875

W. R. L. G. b. Shore

J. B. Muddy

not - 1237

Apr 26 1875 H. R. R. G. G.

J. E. Madsen,

No 1-1238

~~Oiled the pivots~~

~~Oiled~~

Cleaned and oiled the pivots

Apr 27 1875

W. R. R. G. G. & Home

No 1-1238

May 8 1875 -

W.R. etc. lib. & more.

J. E. Meade,

no 1-1239

Examined inclination
and found it correct

May 4 1875

W. S. R. obs. G. S. & some.

J. L. Mads,

747 = 1240

May 5 1875

W & R Deslot. & zone
J. F. M. reads.

W1 = 1241

2 = 1242

May 5, Morning found that the micrometer was set at
46.634 instead of 46.934. $\therefore$ is therefore $+ .300 \text{ in} \times \frac{1}{4} = .375$

May 11 1875

A. R. Muddz. for time

1247 = 1243

May 12 1875

W. R. Olschl.

No 1 = 1240

May 13 1875

W.A. R. obs. h. t. & zone
J.R. m. veds
Nov = 1245

10 434.9 50.5 4 52.2 8.7 A - 1.2 + 3 = 12 49 ^{h m}

Observed ^{h m s}
 $\alpha = 12^h 49^m 15^s$ $\delta = +47^\circ 5' 2''$
 $\alpha = 12^h 59^m 54^s$ $\delta = +36^\circ 28'$

^{h m s}
35 2 46.9 2.9 3 22.8 39.9 } 12 59 52
35 3 52.8 8.0 4 20.9 35.9 } +36 28'

May 17

$$\begin{array}{cccccccc} 12 & 49 & 15 & 47 & 52 & = & 10 & 4 & 34.9 & 50.5 & 4 & 52.2 & 8.7 & (A-1 \ 2 \ 2 \ 3) \\ 12 & 59 & 54 & + & 86 & 28 & = & 35 & 2 & 44.1 & 58.5 & 3 & 19.9 & 35.0 \\ & & & & & & & 35 & 3 & 40.2 & 54.5 & 4 & 7.0 & 21.8 \end{array}$$

W R L. L. L. & 2000.

I L M. n. d. s.

$$w_1 = 1246$$

$$2 = 1247$$

May 20 1875
WAR for time

Wt = 1248

May 22 1951 - N. R. Schulz, & Mary

J. B. M. v. d. S.

no 1-12 40

2-12 50

May 23 1875

W. A. R. vol. G. b. & 2nd ed.,
S. L. M. u. c. s. Vol = 1257

May 26 1895

W. R. L. G. & Rone.

C. B. M. reads

not = 1252

May 27 1875

W.A.R. obs. 4.6. & 2 pm

J.R. M. reads,

1001 = 1253

May 29 1875

W. R. Lubbock,

D. R. M. 1875

1254

June 1 1875

WDR obs. G.

No. 1255

June 4 1875

S. B. M. obs for time

no 1-1256

June 6 1875

S. B. M. obs for time

no 1-1257

June 8 1875 No 1 = 1258

W. R. de G. b.

G. H. M. vels

No 1 = 1258

June 10 1875

W. A. R. obs. Lib.

J F M recd.

Ver = 1259

June 12 1975

GRS obs for time

Nov = 1260

June 15 1855

No 1 = 1262

W. S. R. obs. G. B. Stone
J. B. Mudds,

June 20 1875

W. A. does h.b. & name. J. B. M. reads.

no 1 = 1263

Possibly the collimation was set at 49.89/
instead of 46.99/

June 21 1875 J. R. de G. & more.
No. = 1264

June 24 1895

W.R. de Syl. & home.

no 1 = 126 -

The collimation seems to have changed
Examined the reading and found it - 46.988

June 27 1875 Warkols Lab.

A. L. M. ^{recd.} ~~recd.~~;

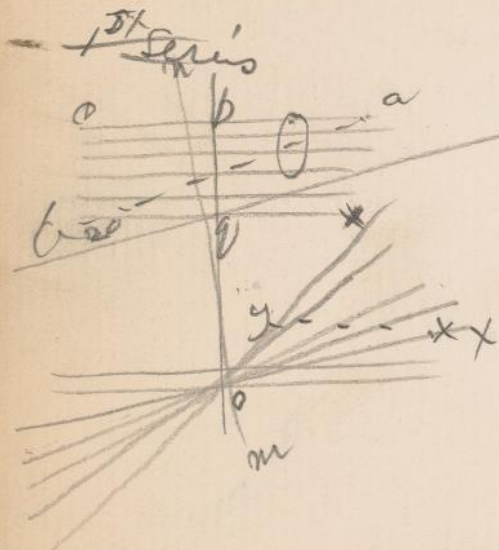
no 1 = 1266

June 28 1875 - 7.15 A.M., obs. L.S.B. & Son

J. P. Mears.

no 1 = 1267

mais observation um great Equations



1st Series

1st Series
I mark mother square holes with 1st & 4th wire
alone. Star pans on the last wire below.

Reject the first 5 or 6 observations
observations for the Clinchfield star transits
along the line of

2nd Series

I mark panels along a @ being center
ed as shown on the first upper 4 lines
star trains x & @.

Rej^d of all descriptions preceding long
a little as the train sets were around one man
Observed distances or g^o 9/10.

June 30 1875

W. & R. obs. G. L.

P. L. M. reads.

no 1 = 1268

W & R obs Mars with Equatorial

no 2 = 1269

July 1 1875

W. R. O. L. G.
P. R. M. v. a. c. s.
No 1 - 1270

July 3 1875

W.R. des. Lib.

W.R. recds.

No 7 = 1271

2 = 1272

Aug 7 1875-

Wm. R. L. G. H., J. R. M. v. d. S.

No 1-1273

2-1274

Aug 8 1895

W. R. Oles. G. B.

J. T. Meads.

Vol = 1275

Aug 10, 1870-

W. R. L. C. H.

d. F. M. u. c. d. s. ,

no 1 = 1276

Aug 11 1875

W. R. Cole. G. B.

A. B. Mues,

Pos = 12 74

July 12 1875

W. R. obs. G. b.

J. R. Moody.

Nov = 1278

2 = 1279

W. R. takes two weeks' vacation.

Aug 31 1875

W. R. Ols. G. C. J. R. M. rods.

No 1 = 1280

Aug 4 1875

W. R. S. C. J. P. M. recd.

NO 1 = 1281

too cloudy for none.

Aug 7 1875

W. R. St. G. & more.

J. R. M. & Co.,

No 1-1282

Look out for a change in the collimation
between Aug 4 & Aug 7

Aug 8 1875

W.A.R. obs. G.C. 1. E. M. v. c. s.

Clouded up.

mu = 1283

Aug 9 1875

W. R. Washburn, Maine,

Dr. L. M. Washburn,

W. R. Washburn

Aug. 10 1875

No Rols. G. C. & more.

J. F. M. R. d. s.

Nov = 1285-

examined inclination and it appeared
to be a trifle out.

Aug 12.

Took out the Tailpiece and cleaned the glass diaphragm, but before doing so examined the verticality of the wires and found it ~~correct~~. But from a cursory examination made Aug. 9 there appeared to be a slight change.

Aug 14 1875

W.R. Webb

J. T. Menden

W-1286

Aug 18 1895
W. R. R. R. R. R.
1287

Aug 25 1875

~~Ad~~ Clear glori diu phrym

No R ds G. b. more
I P needs.

147 = 1288

Chronograph took down at 18^h₄₀^m

Aug 26 1875

W. R. Oles. L. B. & W. H. R. Oles.

D. R. M. ucds. No 1 = 12 & 9

Aug 28 1875 No Rols h.b. & none,
J.L. Mreeds.

no 1-1290

Aug 29 1875

W.R. Lister G. B. Shore,

J. B. Mearns

Vol = 1291

Observed for inclination series.

Aug 30 1875

W. R. Jones, G. B. & W. R. Jones,
W. R. Jones
No. 1 - 1292

observed for indication.

Aug 31 1875

W. R. Oles, G. L. & Home,
J. F. Invels.

no 1 = 1293

Sept. 1 1875

W. R. Johnson, C. 2 home
J. F. M. ues,
no 1 = 1294

Sept. 4 1875

W. R. V. G. & home

J. L. M. & J.

Nov - 129 -

Sept. 5 1875

W. D. R. obs. h. b. & zone,
J. F. Muecks,

Nov = 1296

Sept. 7 1895

W. A. Rolan, Esq. Shore
B. F. M. recto,
No. 1 = 1297

Sheet
Lower
 B to L
 in. 6 11

6 50
 7 30
 8 11
 8 30
 10 50
 12 00
 2 15
 3 00
 3 55
 5 00
 5 40
 5 55
 6 00
 6 15
 6 30
 7 00

R. 17th Nov
B to Q

6 27
 6 59
 7 35
 7 52
 8 34
 9 25
 10 8
 10 28
 11 40
 1 43
 2 23
 4 20
 5 7
 5 37
 6 33
 7 25
 7 33

1875, Sept. 6

S. W. Burnham

51 Vincennes Avenue.

E		G	
40	1	37.2	10.5
		38.0	10.4
		37.5	10.9
		<u>22.7</u>	18
		37.567	10.600

E		G			
5	0	53.8	27.8	26.4	47.810
		54.0	28.3	25.9	46.766
		54.2	28.3	26.0	832
		54.2	28.2	26.5	837
		54.0	27.7	26.9	821
		<u>54.2</u>	3	17	819
		2			<u>119</u>
		54.040	28.060	26.340	47.824
		53.940			46.771
					47.824
					14595
					47297

