

KG
11366
v. 641

Chronograph Record

A

From Jan. 4 1873 to Apr. 27 1873.

Charles W. Sever, University Bookstore, Cambridge.

1473

Jan 4

W Rds. Pl.

W Rds. Pl.

J. R. M. Weds for 2^h ^{57 min}

W Rds. Pl. 2^h ^{57 min}

Seeing good.

No 1-673

2-674

3-675

Jan 6 1873

W.R. Roberts.

W.R. Reddick, 1st 11^m

J.F. M. rec from 2nd 18^m

W.R. Reddick for 3 15 to 3 23

W.R. Roberts home

no 1 = 676

2 = 677

missing prod

Comp. stars for Watson Camp

$$3 \begin{matrix} h \\ 57 \end{matrix} \begin{matrix} m \\ 50 \end{matrix} + 19^{\circ} 44'$$

$$4 \ 0922 + 19 \ 38$$

$$4 \ 1128 + 19 \ 36$$

$$4 \ 1201 + 19 \ 38$$

Jan 7 1873
W. R. do. P. L. a son
my but seeing
J. R. M. recd.

no 1 = 678

1873 Jan. 9
W.H. Rds. R.L.
W.H. Rds. Dec. 16
W.H. Rds. Nov.
R.L.
Ch. M. Wells.

$$\begin{aligned} 107 &= 679 \\ 2 &= 680 \\ 3 &= 681 \end{aligned}$$

Q. 57 50 + 15 47 =

30 2 52.8 / 38.1 | 1 2.5 47.3

4 522 + 1538 { 40 2 27.2 13.2 }
 { 42.2 27.9 }

4 11 28 + 15 36 40 4 26.9 13.5

4 120 14 19 28 40 146.0 31,3

0 54.0 39.8

After d_2 single stroke

1873 Jan. 12

M.A.R. Obs. P.B.
J.F.M. Rec.

Seeing bad.

3 57 50 + 19.47

30 2 54.4 36.9 2 13.2 55.3

ny-bt2
2-652

4 9 22 + 19.38

40 2 29.1 21.8 155.0 36.9

4 11 28 + 19.36

40 4 34.2 16.9

4 12 1 + 19.38

40 1 30.2 16.17 A-l

1873 Jan. 14

W. A. R. Obs. P. C. & Zone
J. F. M. records.

$\mu\sigma = 684$

$z = 685$

1873 Jan 16

W. A. R. attempts P. C. Cloudy

$\mu\sigma = 686$

Jan 19 1873

28 Ros. Pl.

And some

IRM seeds

Leaving for

247 = 689
2 = 688

#73 Jan. 22

N. J. S.

14.9

~~14.9~~

14.7

nsRds. P.B.

IFM ucds

sering good.

W-625

Jan 28 1873

W.R. attempts Ph.
and Bone Clouds esp.

J.F. Mearns

Nov 1 - 1890

Jan 29 1173
 WRob. P. B.
 WReds till 3⁴⁰ m

9 T M red from 4⁴⁰ m
 Sewing very good

W = 691

2 = 693

Feb. 1

MR As for him

A Penn 5-20

B Penn. 11 20

B & A

1-694

Feb. 2 1873

2422 25 26 27
 2422 25 26 27
 2422 25 26 27
 I T. M. reads,
 Seeing best, rather better
 towards the left

$$201 = 695$$

$$2 = 696$$

$$3 = 697$$

Feb. 4 1873

W. R. Dr. P. b. 2 zone

W. R. Dr. P. b. 2 zone 3^h 46^m

J. R. m. eds. Jan 3 116

$2.5 = 6.98$

Comparing Prof. Winlock's
Wrote and N.B. and N.C.
Lower Clock Normal.

Feb. 5 Watch Clock Time
50 fast 5 31 9 00

W.A.R. Obs P.C. 2 30m
W.A.R. Recs till 2 37
J.F.M. Rec. from 4 12m

W1 = 699
2 = 700
3 = 701

1873 Feb. 6

W. A. R. Obs. P. C. & Zone
f. F. M. records

W. = 702
2 = 703

Feb. 8 1873

V.R. ds. P.G.

J.R. m. uds.

no 1 = 704

2 = 705 —

Feb. 9

W R Obs. line #5

Attempted Pl

Clouds.

WV = 70%

Feb. 10 1893

no 1 = 70-1

W. R. du. P. b. & zone

I. R. M. u. d. s.

Feb. 11 1873

M. R. L. L. P. L.
and some
J. F. M. u. e. d. s.

$W = 708$

Feb. 13/1873

N.A. Obs. P.B.

A.P.M. reads

now = 709

Note,

The collimation ^{not} may have
been set-right on one or perhaps
two dates between Feb. 4 and Feb. 11
as I read the N.B. after observations
were concluded and may not have
got the collimation before the next
night's work.

1873 Feb. 15

✓ Jurgae last 3 W's.
 5^h 42^m

1879 Urs. Min 5^h 55^m
 md. gr

22 Camel 6^h 5^m
 md + full

8 Urs. Min. 18^h 33^m
 md. gr. false stroke
 before 1st W.

✓ Draco md. gr.
 18^h 22

✓ 2 Draco last 9 W's

1873phae.proj.1645R

false # before γ 's race

~~51 Turgae 6² 29 m~~
~~all the γ 's~~

Dec 6. 17 1873

W.A.R. As. P.B. & now

W.A.R. needs 4^h 5^m 2nd

L.T. needs for 4 5 2

not = 7 10

2 = 7 11

1873 Feb. 18

W. A. R. O bs P. G.

W. A. R. rec. till 4 45

J. F. M. recs after " "

no 1 = 712

Feb. 19 1923
 W. A. R. L. R. L.
 W. A. R. L. R. L.

W. A. R. L. R. L.

2 = 714

1973phae.proj.1645R

Feb. 20 1853
48 R. Ls. Plin. A. R. mg.
No 3 = $\frac{1}{2}$ in

Pl. 42 1873

24.2.73, No. P. 6,
and none

J. F. M. eds.

247 = 716

1673pnae.proj.1045R

Feb 23 1973

W.R. Dr. P.L.

W.R. reads Tue 5^h 22^m

J.F. M. rec. from 5^h 22^m

Seeing too bad for zone

WV-717

1873 Feb. 25

W. A. R. Obs. P. B. & zone
f. H. M. records.

W7-719

2-720

Feb. 26

W. A. R Obs. P. G

J. K. M rec.

Prof. Warlock exam-
ined microscope G. before
51 Cygni + perhaps dis-
turbed it

$$N_4 = 721$$

Mar 4 / 1873

20 R Rs Rb

W R weestill ^{5^h 56^{min}}

P. R. M reads for 6^h on

In the last part of sheet no 1.
The Chronograph kitched. Obs.
may not be reliable.

not = 72 ~

2 = 723

1873 March 5

W.A.R. Obs. P. & Zone

W.A.R. record still 6^h 0^m

J.F.M. rec. from 6^h 0^m

No 1 - 724

2 - 725

1873 March 6

W.A.R. Obs. P.C. & Zone

W.A.R. records till ^h 5 ^m 55

J.H.M. records from ^h 5 ^m 55
till end.

Mar 6

No 1 = 726

2 = 727

1873 March 8

W.A.R. Obs. J. E. & gone
J. F. M. records

(W.A.R. = 728

2 = 729

1873 March 9

M.A. R. Obs. D.D.
9.7.73, records.

Nov = 730

The clouds all stopped
Monday morning near 9-10
for further to burst. The
is responsible?
Alt about 35 feet;

1873, March 10.

W.A.R. Obs. P. E. + Zone
f. F. M. records.

No 1 = 731

2 = 732

1873 March 10

J. F. M. Obs. of Almanac Stars

B Geminor 7^h 37^m +28 20

md wires & foll.

1 Draco 9^h 18^m

last 3 W.

a Hydrae 9 21

last 5 W

4 Urs. Maj' 9 24

last 3 W

B Cephei 21 27

6, 8, 9 of ind + 3 Outside

Gr. 1564 9^h 31^m

all. the r

E Leonis 9.38.

Ind. gr.

ms = 233

1873 March 12

a Carr. Min, 7 32 33

B Gemmor 7 37 26

Fix R. B. ^y min stars

no 1 = 7 34

1873 March 13

W. A. R. Obs. P. Q. & Zone
f. F. M. rec.

no 1 = 735

1873 March 16.

W.A.R. Obs. P.B. ~~Obs.~~ X
L.Y. M. records.

W1-736

2-737

Mar 17 1873

W. R. Jones, P. L.,
at A. R. only,

No. 1 = 73

March 24, 1873

a Geminor 7^h 26^m

9 ind + foll. wires.

a Can. Min. 7 32

9. Ind. wires.

Mar 27

7 10 R. Sh. Pl.

and here

St M Records

no 1 = 730

2 = 740

Mar 30 1873

W. R. D. R. R. R. R.

I R M reads,

Began to read The Bar,
in the circle room

Traveled with the Chronograph
at end of sheet.

24-741

Mar 31 1823

Z. R. obs. P. 6,

VE Mucds.

382 = 8 h 30^m

2984

40.0

= Transit room

3006 =

= Clock room

20.1 = 742

4 M 1173
 W.A.R. Os. P. b.
 & zone
 I.B.M. uods,

W7 = 743
 2 = 744
 \ \

1873 April 3

W.A.R Obs. time stars

δ Cancer 8 37+18 38

ϵ Hydrae 8 39+6 53

no 1 = 745

Apr 10 1873
W. R. P. & Co
J. E. Mreeds,
No 1 = 746
2 = 747

Apr 15 1973

U&R Rs. Ab. one

IRM vads.

no 1 = 748

Apr. 16 1873

At R.R. P.B., and attempts
a row, but gives up on
account of home.

J.F. M reads.

Wot = 74 b

Being rather bad

Apr. 21. 1873
W. R. R. S., Pl.,
S. T. M. C. C. S.,

No 1-767

Trouble with current the first part
of the sheet.

Apr 25 1873

W.R. de R. B. Shome

W.R. de R. B. Shome 20^h 13^m 4^s

f. P. M. records from 9^h 10^m

wt = 748

2 = 749

Apr 26

W.R. de R. B. Shome attempts none

f. P. M. records.

wt = 712

Apr. 27

W.A.R Obs. P.C. & Zone
f. F. M rec. from 9/31^m
W.A.R ^{recd} ~~obs~~ in 9 31

W1 = 75

2148×22832.7 is $5131 \overset{0}{\underset{1.66}{1.7}}$ not $5132 \overset{0}{\underset{1.7}{1.7}}$
 ~~2148×25723.7 is $5141 \overset{0}{\underset{1.66}{1.7}}$ not $5141 \overset{0}{\underset{1.7}{1.7}}$~~
 ~~2149×3084 is $5029 \overset{0}{\underset{1.3}{1.3}}$ not $5029 \overset{0}{\underset{1.9}{1.9}}$~~
~~(δ cor. for 2148 is 42.27 for 2149 42.67)~~

2 117 (Book C 12. 1886) $51^{\circ} 7' 35.4''$ not $52^{\circ} 7' 36.8''$
 $120^{\circ} 19' 51.0''$ is ~~24.78~~ $51^{\circ} 7' 35.39''$

~~117 20412.2 is $51^{\circ} 16' 17.3''$ not $51^{\circ} 16' 22.3''$~~

~~117 204732.7 is $50^{\circ} 49' 15.9''$ not $50^{\circ} 49' 16.9''$~~

~~108 18 2544.8 is not on sheet~~

~~108 18 3628.0 is $18^{\circ} 36' 57.57''$ not $50^{\circ} 54' 47.4''$~~
 $36^{\circ} 57.59''$ $47.6''$

108 (C 13) $18^{\circ} 50' 41.0''$ is $18^{\circ} 51' 17.19''$ $50^{\circ} 25' 26.6''$ not

$18^{\circ} 50' 46.9''$ is $18^{\circ} 51' 12.27''$ $50^{\circ} 25' 34.5''$ not

$18^{\circ} 51' 12.27''$ $50^{\circ} 25' 34.5''$

$18^{\circ} 51' 17.19''$ $50^{\circ} 25' 26.6''$

~~106 193820.1 is $51^{\circ} 42' 19.3''$ not $51^{\circ} 42' 20.3''$~~

~~146 21316.9 is $50^{\circ} 58' 13.3''$ not $51^{\circ} 58' 13.3''$~~

~~146 23029.0 is $23^{\circ} 15' 1.79''$ not $51^{\circ} 5' 5.3''$~~

~~147 (1 465.2 is $1^{\circ} 47' 17.99''$ not $1^{\circ} 47' 21.99''$)~~
 (see correct 2146 is +1535 2147 is +1135)

~~147 2655.2 is $51^{\circ} 2' 45.6''$ not $51^{\circ} 2' 35.6''$~~
 (see correct 2146 is +18.00 2147 is +118.00)

~~51 11.27~~~~2139 23655.8 is 50 51 21.3 not 50 51 11.3~~~~139 2342 5.7 is 2 34 3 3.14 not 2343 4.14~~~~2140 2350 44.5 is 50 8 27.6 not 50 7 27.6~~~~2140 05354.2 Cant find~~

140 05415.5. Tell # has DM ^{h m s} 05354.2
 on sheet. 1st & Cor. is applied to tell #
 2nd cor. to 05415.5 on sheet

141 05354.2 Cant find } (see 2140)
 052115.5

141 05830.9 is ^{h m s} 0593898 ^{0 1 11} 49 55 2.1 not
 0593948 49 55 0.7

141 1059.5 is ^{0 54 34.4} 50 54 34.4 not 50 54 34.8

143 03832.7 is ^{h m s} 0393762 not ^{h m s} 03938.62

144 14221.5 is ^{0 1 10 47.8} 51 10 47.8 not ^{0 1 10 46.8} 51 10 46.8

144 ~~041~~ 50.1 is ^{h m s} 04257.90 not ^{h m s} 04257.80

145 1480.0 is ^{0 18 59.7} 50 18 59.7 not ^{0 18 59.8} 50 18 59.8

145 15454.5 is ^{0 1 5 24.8} 51 5 24.8 not ^{0 1 5 24.8} 50 5 24.8

145 2445.1 is ^{49 56 18.4} 49 56 18.4 not ^{49 5 17.9} 49 5 17.9

~~2132 23216.7 is 23221.32 5458'40" not~~
~~22221.32 5458'41.7~~
~~2133 2236 9.2 is 5154'34.6 not 5154'29.4~~
~~133 225754.3 is 5125'52.3 not 5126'52.3~~
~~134 2237 20.4 is 5134'11.3 not 5134'10.3~~
~~134 224128.6 is 5116'25.65 not 5116'43.1~~
~~134 224453.5 is 2245'45.66 5136'24.1 not~~
~~2245'45.68 5136'24.0~~
~~135 045 27.6 is full 4452'039.7 not 52039.3~~
~~135 05248.6 is 0535'52 not 0538'37.52~~
~~2136 2236 9.2 is 5154'36.2 not 5154'30.2~~
~~136 224147.1 is 517'0.7 not 5119'10.5~~
~~this dm is 224128.6 not 224147.1~~
~~2136 224453.5 is 2245'45.83 5136'24.0 not~~
~~4545.85 5136'23.9~~
~~2136 224711.1 is 523'59.7 not 523'59.9~~
~~2136 236 7.6 is this dm 23 5'40.4 ?~~
~~2137 03338.6 is 5127'34.7 not 5127'32.8~~
~~2138 23425.7 is 2343'3.17 not 2343'4.17~~

~~22 56 41.3 is 54 50 53.8 not 54 50 54.7~~

~~22 57 49.3 is 54 35 31.9 not 54 35 32.9~~

~~22 59 5.4 is 54 44 31.9 not 54 44 32.8~~

~~23 1 4.7 is 54 10 32.4 not 54 10 33.4~~

~~23 2 87.6 is 53 49 52.9 not 53 49 53.9~~

~~23 5 21.0 is 54 37 9.3 not 54 37 10.2~~

~~23 8 3.9 is 54 44 49.0 not 54 44 50.0~~

~~23 10 0.0 is 54 30 29.7 not 54 30 30.7~~

~~23 10 59.8 is 54 24 24.4 not 54 24 25.4~~

~~23 12 2.4 is 54 32 13.0 not 54 32 14.0~~

~~2129 22 15 19 35 321.3 not 553 21.9~~

~~2130 23 7 37.3 is 53 7 29.2 not 53 6 29.2~~

~~2130 23 17 20.4 is 54 58 10.7 not 54 58 20.7~~

~~2130 23 19 55.3 Cant find. Is it
true # of 23 209.0?~~

~~2130 23 23 15.0 is 54 34 40.7 not 54 34 40.6~~

~~2132 23 19 55.3 is Cant find (see 2130)~~

~~2132 23 20 9.0 fall is 23 22 449 54 17 11.5~~

~~not 22 21 449 54 17 11.5~~

~~2132 All hours from 23 18 use 23 not 22~~

2/28/22 28 24.2 is 53⁰ 26 24.2 not 53⁰ 26 25.2

~~22 30 19.9 is 53⁰ 24 6.89 not 54 24 6.9~~

~~22 31 35.8 is 54 28 35.4 not 54 28 36.0~~

~~22 32 29.5 is 54 20 31.2 not 54 20 32.2~~

~~22 33 37.7 is 54 23 52.4 not 54 23 53.4~~

~~22 34 30.0 is 54 58 22.9 not 54 58 23.9~~

~~22 35 36.6 is 54 45 2.2 not 54 45 3.2~~

~~22 37 41.5 is 54 18 32.8 not 54 18 43.8~~

~~22 39 11.4 is 54 18 32.8 not 54 18 43.8~~

~~22 40 9.6 is 54 30 19.8 not 54 30 19.8~~

~~22 42 25.2 is 54 18 22.9 not 54 18 23.9~~

~~22 43 48.9 is 54 11 9.2 not 54 11 10.2~~

~~22 46 0.4 is 54 50 20.1 not 54 50 21.1~~

~~22 47 22.9 is 54 57 31.2 not 54 57 32.3~~

~~22 48 12.1 is 54 44 31.9 not 54 44 32.9~~

2/28 ~~22 50 112.9 is 54 32 11.5 not 54 32 11.5~~

~~22 52 0.9 is 54 21 47.5 not 54 21 48.5~~

~~22 53 53.5 is 54 49 28.2 not 54 49 29.2~~

~~22 54 55.3 is 54 18 27.6 not 54 18 28.6~~

~~22 55 50.7 is 54 14 32.9 not 54 14 33.4~~

~~126 22 53 53.5 is 54 49 25.9 not 54 49 27.7~~
~~126 22 54 55.3 is 54 48 28.8 not 54 48 30.4~~
~~126 22 55 56.7 is 54 44 30.1 not 54 44 32.0~~
~~126 22 56 41.3 is 54 50 51.2 not 54 50 56.0~~
~~126 22 57 49.3 is 54 35 32.1 not 54 35 33.9~~
~~126 22 59 5.4 is 54 44 31.9 not 54 44 33.8~~
~~126 23 1 11.7 is 54 10 30.3 not 54 10 32.1~~
~~126 23 2 57.6 is 53 49 51.9 not 53 49 53.8~~
~~126 23 5 21.0 is 54 37 8.2 not 54 37 10.1~~
~~126 23 8 3.9 is 54 44 47.1 not 54 44 48.9~~
~~126 23 10 0.0 is 54 30 28.8 not 54 30 30.6~~
~~126 23 10 59.8 is 54 24 24.2 not 54 24 26.1~~
~~126 23 12 2.4 is 54 32 12.8 not 54 32 14.6~~
~~127 21 13 38.0 is 54 44 40.2 not 54 44 39.2~~

~~124 2133 40.5 is ^{53 9} 30.7 not ^{53 9} 30.8~~
~~124 2137 36.4 is ^{53 29} 50.9 not ^{53 29} 52.9~~
~~124 2141 28.7 is ^{53 37} 76.8 not ^{53 32} 25.8~~
~~124 2151 24.3 is ^{54 1} 1.0 not ^{21 52 65 3} 54 1 1.1~~
~~124 228 55.7 is ^{53 3} 38.3 not ^{53 2} 38.3~~
~~124 2211 40.4 is ^{53 53} 1.0 not ^{53 53} 0.8~~
~~125 X 21 155.8 is ^{53 3} 14.4 not ^{53 3} 14.1~~
~~125 2112 6.3 is ^{54 5} 48.5 not ^{54 5} 48.6~~
~~125 2132 11.4 is ^{55 0} 48.3 not ^{54 0} 48.3~~
~~126 2240 9.8 is ^{52 30} 18.6 not ^{54 30} 20.4~~
~~126 2242 25.2 is ^{54 18} 24.4 not ^{54 18} 26.3~~
~~126 2243 46.9 is ^{54 11} 9.1 not ^{54 11} 10.9~~
~~126 2246 0.4 is ^{54 50} 21.0 not ^{54 50} 22.8~~
~~126 2247 22.9 is ^{54 57} 31.0 not ^{54 57} 32.8~~
~~126 2248 12.1 is ^{54 44} 32.9 not ^{54 44} 34.8~~
~~126 X 22 50 42.9 is ^{52 32} 15.3 not ^{54 32} 11.9~~
~~126 22 52 0.9 is ^{54 21} 46.4 not ^{54 21} 48.3~~

121 1945 32.5 is $53^{\circ} 27' 6.4''$ not $53^{\circ} 27' 7.4''$

121 ~~1946~~ 34.7 is $53^{\circ} 59' 2.2''$ not $53^{\circ} 59' 5.2''$

121 1952 56.7 impossible to read

121 20535.8 is $54^{\circ} 37' 26.9''$ not $54^{\circ} 37' 26.8''$

121 ~~2014~~ 2.6 is $53^{\circ} 6' 58.86''$ not $53^{\circ} 6' 58.5''$

121 ~~2025~~ 19.3 δ cor. is omitted

121 ~~2025~~ 45.1 is $53^{\circ} 41' 23.45''$ not $53^{\circ} 42' 23.8''$

121 ~~2038~~ 33.1 δ cor. omitted, ex

122 195155 is $54^{\circ} 23' 7''$ not $54^{\circ} 2' [44.7]''$

122 204115.4 is $20^{\circ} 41' 45.74''$ not $20^{\circ} 41' 45.54''$

122 202229.6 is $53^{\circ} 36' 51.8''$ not $53^{\circ} 36' 55.8''$

122 ~~2025~~ 19.3 δ cor. omitted, ex

122 202732.1 is $20^{\circ} 28' 4.23''$ not $20^{\circ} 25' 4.23''$

122 203570.0 is $53^{\circ} 22' 59.4''$ not $55^{\circ} 22' 59.4''$

122 ~~2037~~ 24.4 is $53^{\circ} 44' 48.8''$ not $53^{\circ} 45' 48.8''$

122 ~~2038~~ 33.1 δ cor. omitted, ex

122 204235.6 is $54^{\circ} 1' 24.3''$ not $52^{\circ} 1' 24.3''$

123 202519.3 δ cor. omitted

123 ~~2038~~ 33.1 δ cor. omitted, ex

~~21 20 20 36 37.7 is 52 39 59.4 not 52 39 58.9~~
~~120 20 38 22.7 is 50 34 31.0 not 50 34 30.5~~
~~120 20 39 20.7 is 50 44 51.1 not 50 44 59.9~~
 See 2-119 for gain

~~120 20 40 46.1 is 50 45 19.9 not 50 45 19.4~~
~~120 20 41 47.1 is 50 36 50.0 not 50 36 49.4~~
~~120 20 46 37.9 is 50 56 51.0 not 50 56 50.5~~
~~120 20 47 47.7 is 50 9 45.5 not 50 9 45.0~~
~~120 20 49 21.2 is 50 46 57.9 not 50 46 57.3~~
~~120 20 54 16.0 is 50 11 30.3 not 50 11 29.8~~
~~120 20 56 26.2 is 50 51 10.1 not 50 52 9.5~~
~~120 20 57 40.0 is 50 22 31.1 not 50 22 30.6~~
~~120 20 58 40.1 is 50 18 24.4 not 50 18 23.8~~
~~120 20 59 52.2 is 50 17 13.2 not 50 17 12.7~~
~~120 21 0 34.0 is 50 39 3.4 not 50 39 2.8~~
~~120 21 2 1.5 is 50 54 15.2 not 50 55 25.8~~
~~120 21 3 36.2 is 50 14 25.0 not 51 14 24.5~~
~~120 21 5 15.7 is 51 1 35.1 not 51 1 34.5~~
~~120 21 7 7.7 is 50 7 54.5 not 50 7 53.9~~

~~120 20 12 4.7 is 50 41 6.3 not 41 5.7~~
~~120 20 13 27.0 is 50 41 1.20 50 45 44.7 not~~
~~20 41 1.14 50 45 44.2~~
~~120 20 15 0.2 is 50 29 12.2 not 50 29 11.7~~
~~120 20 15 52.8 is 51 1 54.4 not 51 1 53.9~~
~~120 20 17 19.5 is 50 24 58.5 not 50 24 57.9~~
~~120 20 18 24.8 is 50 13 36.6 not 50 13 42.0~~
~~120 20 20 35.3 is 50 11 53.5 not 50 11 52.9~~
~~120 20 21 24.5 is 50 8 39.6 not 50 8 39.0~~
~~120 20 22 19.0 is 50 5 41.9 not 50 5 41.3~~
~~120 20 23 40.6 is 50 13 35.9 not 50 13 35.4~~
~~120 20 24 44.7 is 50 5 17.7 not 50 5 17.2~~
~~120 20 25 44.5 is 50 8 25.4 not 50 8 24.9~~
~~120 20 26 32.2 is 50 25 4.7 not 50 25 4.1~~
~~120 20 27 38.2 is 51 52 53.0 not 51 52 58.4~~
~~120 20 29 45.5 is 51 2 31.0 not 51 2 30.4~~
~~120 20 31 20.6 is 50 11 3.2 not 50 11 2.7~~
~~120 20 32 21.1 is 50 27 16.3 not 50 27 15.8~~
~~120 20 33 20.1 is 51 8 40.1 not 51 8 39.6~~
~~120 20 34 33.7 is 51 46 46.6 not 51 46 46.0~~

~~120 19 39 50.9 is 51 41 37.0 not 51 41 36.4~~
~~120 19 42 19.6 is 51 21 51.7 not 51 21 51.2~~
~~120 19 48 44.6 is 50 42 24.1 not 50 42 23.6~~
~~120 19 50 7.8 is 50 49 1.4 not 50 53 0.9~~
~~120 19 51 20.7 is 50 38 55.9 not 50 38 55.3~~
~~120 19 52 46.7 is 50 34 11.9 not 50 34 11.4~~
~~120 19 54 14.0 is 50 40 57.8 not 50 40 57.3~~
~~120 19 56 32.3 is 50 18 42.9 not 50 18 42.4~~
~~120 19 57 59.6 is 50 12 10.8 not 50 12 10.2~~
~~120 19 59 3.8 is 50 48 45.6 not 50 48 45.1~~
~~120 20 03 37.9 is 50 53 21.5 not 50 53 20.9~~
~~120 20 14 41.1 is 50 40 12.7 not 50 40 17.2~~
~~120 20 3 32.1 is 52 31 10.7 not 52 31 10.2~~
~~120 20 4 35.0 is 20 5 9.28 not 20 5 9.28~~
~~120 20 5 41.5 is 50 19 31.9 not 19 31.3~~
~~120 20 6 58.5 is 51 46 8.8 not 47 8.3~~
~~120 20 8 37.1 is 50 8 29.8 not 8 29.2~~

~~119~~ see Note to 19 24 52.4 k Ref.
~~119~~ 19 22 22.3 is 51 49 5.3 not 51 48 5.3
~~119~~ 19 51 20.7 is 50 37 55.3 not 38 55.3
~~119~~ 19 59 3.8 is 50 48 5.1 not 50 48 45.9
~~119~~ 20 13 27.0 is 50 44 46.3 not 50 44 54 6.2
~~119~~ 20 15 0.2 is 50 28 57.3 not 50 29 12.6
~~119~~ 20 39 20.7 I corrected 3 or 4 times
 which is the right?
~~119~~ 20 44 19.6 is 50 39 55.1 not 50 38 55.1
~~119~~ 21 2 1.5 is 50 55 16.9 not 50 55 26.9
~~119~~ 21 8 46.5 is 50 19 54.5 not 50 19 54.3
~~120~~ 19 25 42.5 is 51 53 27.0 not 51 53 26.5
~~120~~ 19 28 0.2 is 50 47 36.6 not 50 47 39.1
~~120~~ 19 29 50.7 impossible to read
~~120~~ 19 32 22.3 is 51 48 4.6 not 51 48 4.1
~~120~~ 19 36 4.2 is 51 45 28.6 not 51 45 28.0
~~120~~ 19 37 57.1 is 51 34 14.0 not 51 34 13.4

~~Z 115 19 23 31.5 is 50 9 5.8 not 50 8 55.8~~

~~115 19 41 33.1 is 50 27 21.0 not 50 27 20.0~~

~~22116~~

~~Z 115 19 46 18.5 Dm is 19 46 4.0 not 46 18.5~~

~~Z 116 19 14 52.2 is 19 15 44.27 50 38 37.7 not }
15 22 99 50 38 37.7 }~~

~~Z 116 19 15 44.3 is the first obs. Sept 2 or
Sept 7?~~

~~116 19 31 19.3 is 50 56 13.6 not 50 56 13.9~~

~~116 19 46 18.5 Dm is 19 46 4.0 not 46 18.5~~

~~116 20 1 13.1 is 50 5 28.9 not 50 5 25.9~~

51 18 31.58 ✓

~~116 20 7 45.6 is 51 18 31.6 not 51 18 30.6~~

~~118 19 5 9.0 - 19 13 55.8 are in C 11~~

~~118 20 24 44.7 is 50 57 16.5 not 50 57 16.4~~

51 0 52.58.71 ✓

~~118 20 27 12.5 is 51 52 58.4 not 51 53 4.4~~

~~118 20 51 39.1 is 52 17 15 not 52 17.19~~

~~118 19 13 55.8 is 51 17 15 not 51 17.19~~

~~118 19 39 50.9 is 19 40 24.85 not 40 22.85~~

~~118 19 13 55.8 is 51 7 9.2 not 31 46.6~~

- ~~111 18854.2 is 53°29'41.9" not 53°29'42.4"~~
~~53°15'43.09 ✓~~
 111X 184425.0 is 53°15'43.1 not 53°15'43.2
~~111X 184718.9 is 54°43'49.59" not 54°43'49.1"~~
~~54°43'49.59~~
 111X 184954.8 is 54°43'51.1 not 54°43'49.1
 111 185044.8 is 54°44'0.0 not 54°43'58.0
~~54°57'41.49 ✓~~
 112X 18259.7 is 54°57'41.5 not 54°57'41.4
~~53°1'58.30 ✓~~
 113X 184439.2 is 53°15'58.3 not 53°51'58.3
 113 1821728.5 is 52°21'59.3 not 52°42'0.3
 113 185711.6 is 52°53'5.2 not 52°5'36.2
 113 19551.5 is 52°23'23.32 not 52°23'23.32
 114 19342.4 is 51°27'59.0 not 51°27'59.0
~~52°45'51.06 ✓~~
 113X 194140.9 is 52°45'51.1 not 52°44'51.1
 113 195351.8 is 52°29'42.2 not 52°30'42.2
 114 19342.4 is 51°27'59.0 not 51°27'59.0
~~52°45'50.61 ✓~~
 114X 194140.9 is 52°45'50.6 not 52°44'50.6
 114 195351.8 is 52°29'40.6 not 52°30'40.6
 115 1914522 Marked Ref.
 115 (116) 191514.3 there are 3 obs. with this
 Dm. The cons. are not the same

h m s . . . " "
~~2102 17 11 3.3 is 50 10 38.3 not 50 37.3~~

~~2102 18 2 19.5 is 50 15 58.3 not 50 38.0~~
 58 41 43.28 ✓

~~102/1837 3.9 is 50 41 43.3 not 41 44.3~~
 52 48 45.04 ✓

~~2103/1812 12.5 is 52 48 45.0 not 52 49 45.0~~
 52 35 52.53 ✓

~~103/1816 6.2 is 52 35 52.5 not 52 35 52.3~~

~~103 18 31 54.9 is 52 49 51.3 not 52 49 51.4~~

h m s . . . " "
 2104 18 15.1 foll ~~is~~ 18 1 34.87 50 52 7.6
 not Erased

2104 18 49 38.4 No much Dtl.

h m s . . . " "
~~104/1849 39.9 is 18 50 10.32 50 30 15.0 not~~
~~106 17 58 29.8 can't find 50 30 8.8~~

48 44.28 ✓
 2107/1812 12.5 is 52 48 44.3 not 49 43.3

18 31.5 ✓
 2109/1846 33.7 is 53 8 31.9 not 53 18 31.9

~~109 19 23 39.9 is 55 2 0.2 not 54 2 0.2~~

~~2110 18 2 43.4 is 53 56 30.0 not 53 56 31.0~~

h m s . . . " "
 X 110/1816 35.0 X 18 16 58.53 not 18 16 58.51
 55 1 59.11 ✓

110/1923 39.9 is 55 1 59.2 not 55 2 0.6

106 18 27 1.2 can't find

106 18 27 1.2

~~297 16 42 24.9 is 50 33 17.44 not 50 33 19.4~~

~~297 ^{dm} is 16 59 30.1 not~~

~~297 17 51 0.3 Cors. omitted~~

~~298 16 47 10.2 is 50 23 6.4 not~~

~~^{dm} is 16 59 30.1 not~~

~~298 ^{dm} is 17 54 47.9 not 17 54 32.5~~

~~298 17 57 3.8 is 51 0 18.1 not 51 0 19.0~~

~~298 ^{184 29.3} is 52 02 7.4 not 51 02 7.4~~

~~299 16 52 24.4 is 51 18 23.1 not 18 22.1~~

~~299 17 23 44.2 is 51 59 22.5 not~~

~~299 17 37 25.8 is 50 3 40.0 not 3 39.0~~

~~299 18 05 58.2 is 51 34 45.7 not 34 46.0~~

~~2100 ^X 21 46.7 Corrections omitted~~

~~100 ^{58 39.8} 17 57 37.5 is 51 10 12.1 not 10 12.0~~

~~101 18 8 33.3 Double Ex~~

~~101 18 49 38.4 To be reworked~~

293 163249.2 is $prec$ $163316.67531032.1$
 and 163317.21 1033.9 not
 1633721

293 17844.5 is 17911.67 52113.88 ✓ not 116.4

~~294 16515.1 is 16546.83 not 16548.50~~

~~294 17220.5 But one R in Book~~

294 17713.0 Can't find

294 173313.8 is 51943.0 not 51943.1

295 DM is 154923.2 not 154922.3

295 $Is DM$ 155146.5 not $15529.7?$

295 55754.3 is 503652.5 not 503652.3

295 163023.84 is 511344.3 not 1344.0

~~96 161916.8 is 16192.15 not 161916.8~~

52 29 17.99 ✓

290 X 1522 17.9 is $52^{\circ} 29' 18.0''$ not $28^{\circ} 17.9'$

~~290 1547 22.6 is 1547 52.93 is 1653.9 in fine #~~
 and ~~1547 53.53 is 17 0.7 is full #~~

290 1550 20.3 Are the Corrections right?

291 DM is $15^{\circ} 49' 23.2''$ not $15^{\circ} 49' 22.3''$

291 1557 15.6 Can't find

291 X 1620 43.3 is $51^{\circ} 5' 46.5''$ not $51^{\circ} 5' 47.1''$

291 1631 20.0 is $51^{\circ} 8' 32.4''$ not $51^{\circ} 8' 32.3''$

291 1648 4.2 is $53^{\circ} 59' 38.3''$ not $51^{\circ} 59' 38.3''$

292 1526 35.6 is $54^{\circ} 23' 39.3''$ not $54^{\circ} 23' 39.2''$

292 1537 30.5 is $49^{\circ} 50' 28.1''$ not $49^{\circ} 50' 28.2''$

292 1548 9.1 is $15^{\circ} 48' 40.62''$ not $15^{\circ} 48' 40.70''$

and $15^{\circ} 48' 41.79''$ is $52^{\circ} 56' 14.8''$ not $52^{\circ} 56' 14.3''$

293 1555 56.7 is omitted

295 1557 15.6 DM is $15^{\circ} 57' 54.3''$ in Book

50 41 46.55 ✓

284 ^{h m s} 14 57 21.8 is 50 41 46.5 not 50 40 46.5

284 ^{h m s} 15 35 19.7 is 50 41 46.22 not 35 54.16

284 15 59 2.2 is 50 16 4.8 not 50 16 3.8

284 16 1 9.5 ^{h m s} 16 13 6.8 on sheet

50 41 44.13 ✓

285 ^{h m s} 14 57 21.8 is 50 41 44.1 not 50 40 44.1

285 15 39 4.3 is 51 48 45.8 not 51 48 - -

286 16 19 9.1 d cor. is erased in Book C7

287 ^{h m s} 15 28 52.2 is 52 46 45.6 not 52 46 37.5

287 ^{h m s} 15 42 27.6 is 52 32 2.0 not 53 32 2.0

287 16 10 16.8 Cant find

29 17 85 ✓

288 ^{h m s} 15 22 17.9 is 52 29 17.8 not 28 17.8

52 30 47.56 ✓

288 ^{h m s} 15 37 30.5 is 52 30 47.6 not 31 47.6

288 ^{h m s} 15 47 22.6 is 52 47 52.84 53 16 56.1 not
47 52.84 53 16 56.6

c and

17 53.60 53 16 56.6 not
47 53.60 53 16 56.1

289 15 8 3.2 is 53 25 59.2 not 53 29 59.2

~~280 19 50 48.0 is 51 3 7.4 not 50 3 7.4~~

~~280 14 7 36.8 is 50 5 7 8.1 not 50 5 7 4.4~~

~~280 15 14 39.8 is 51 0 4 7.6~~

~~281 14 25 51.8 is (51) 59 43.7 ✓ not 52 59 43.7~~

~~281 15 2 12.8 is 51 46 3.9 not 52 46 3.9~~

~~81 14 41 14.0 is 51 47 3.62 not 41 53.62~~

~~281 15 15 34.2 There are entered in
15 15 40.5 Book under 15 15 34.2~~

~~281 15 22 17.9 is 50 29 15.43 ✓ not 52 28 15.4~~

~~282 14 21 51.3 is 50 58 23.56 ✓ not 51 0 23.6~~

~~282 14 26 49.6 is 51 28 54.0 ✓ not 51 28 54.2~~

~~282 15 8 26.8 is 50 14 33.1 not 50 14 33.3~~

~~282 15 11 25.3 Order confused~~

~~283 15 11 33.1 S~~

~~283 14 21 51.3 is 50 58 23.28 ✓ not 50 0 23.3~~

~~283 15 6 45.3 is 51 11 34.76 ✓ not 11 34.9~~

~~283 15 10 22.3 Price 15 10 59.36 51 15 15.5 is
omitted~~

278 ^h 1854.6 is ^m 1945.68 ✓ ^m 1945.78

~~78133734.00~~ ^{m 0} ~~382209~~ ^{m 5} ~~not 362209~~

~~28. 145' in 20. Min. also. Injunct?~~

78 ~~141520.8~~ 16422 1456.2 not
16496 14562

and 164.90 1538.0 not
164.22 1538.0

~~78 1419594 is 51 30' 25.6" not 51 30' 25"~~

~~278 1450 0.3 10 5042.03 8 30.0 not~~
5042.03 8 45.4

and $504377 \cdot 845.4$ not
 $504377 \cdot 830.0$

~~279 142551.1 is 53 5945.3 not 54 5945.3~~

279 14 32 58.8 δ in Book as 35' 25.23" not
~~35' 26.33"~~
 and on sheet it is 52 34 22.4 not 34' 23.5"

~~279443648.3 is not on sheet 10129j?~~

~~7 79.14 472.0 no 5317.7 not 53 16.6~~

7 79 ~~X~~ 2 12.8 S 34° ³⁴ ~~54~~ ⁵² ~~52~~

217 $\frac{51534.2}{1000} = 51.5342$ $\frac{524530}{1000} = 52.4530$ $\frac{4358.3}{1000} = 4.3583$

$79^\circ \text{Dm } 115 \quad 15 \quad 40.5$

~~279 153217 900 5028 17.6205 5278 17.9~~

50 39 12:23 ✓

~~280~~ 13 37 12.3 40 50 39 12.2 207 39 25.6

~~7. 2326.0 2007 5023 26.0~~

22 3.7 ✓

~~Z 74 X 13 14 56.1 is 22 3.7 not 22 4.2~~~~Z 74 13 31 52.1 is 13 52.8 not 13 52.2~~~~Z 74 13 42 37.6 is 43 24.79 not 42 24.79~~~~Z 74 13 43 34.3 is 53 16 52.0 not 52 16~~~~Z 74 14 14 27.2 is 58 37.2 not 58 36.1~~~~Z 74 X 14 22 42.7 is 10 5.8 not 10 3.8~~~~Z 74 14 23 27.9 is 53 19 56.4 not 52 19 56.6~~~~Z 75 X 3 41 11.7 is 55 3 22.7 not 3 27.7~~~~Z 75 14 16 36.2 is 17 15.62 28 6.2 not 17 15.62 28 6.2~~~~and 17 17.30 28 7.9 not 17 15.62 28 7.9~~~~Z 75 14 22 1.8 is 2 50.0 not 2 51.0~~~~Z 76 X 13 18 54.6 is 19 45.45 not 19 45.48~~~~Z 76 14 15 20.8 is 16 3.87 52 14 57.6 not~~~~16 4.72 14 57.6~~~~and is 16 4.72 15 35.51 not~~~~16 3.87 15 35.51~~~~Z 76 X 14 44 50.7 is 50 53.32.6 not 51 53 32.6~~~~Z 76 14 50 0.3 is 50 42.08 51 8 32.8 not~~~~50 43.68 51 8 32.4~~~~and 50 43.68 8 46.9 not~~~~50 42.08 8 46.3~~~~Z 77 13 23 30.0 is 53 49 23.8 not 49 24.8~~~~Z 77 14 16 36.2 is 17 15.55 54 28 7.0 not~~~~17 15.55 28 9.0~~~~and 17 17.21 28 9.0 not~~~~17 17.21 28 7.0~~

~~2 68 13 4 1.1 is 154° not 52°~~
~~2 69 X 12 1 9.1 is 54° not 52°~~
~~2 69 12 4 9 56.8 is 46 3' 55" not 46 3' 55"~~
~~69 12 59 0 1.1 is 54 41' 15" not 54 41' 15"~~
~~2 69 X 13 14 52.5 is 30 53.8 not 30 53.9~~ ✓
~~2 69 13 28 53.0 is 49 55.7 not 49 55.5~~
~~2 70 12 10 6.9 is 10 11.5~~
~~2 70 12 33 48.1 is 10 3.5 not 10 11.5~~
~~2 70 12 43 1.2 is 38 56.1 not 55.8~~
~~2 70 12 57 1.2 is 38 56.1 not 55.8~~
~~2 70 X 13 1 55.8 is 13 36.7 not 13 36.4~~ ✓
~~2 70 13 22 13.1 is this obs. rejected? it is not on sheet~~
~~2 70 13 35 29.0 is 21 22 4.2~~
~~2 71 13 26 47.2 is 54 35' 30.6 not 54 36' 30.6~~
~~2 72 14 5 44.2 is 14 6 26.61 50 50 5.3~~
~~not 14 6 27.51 50 50 5.3~~
~~and 14 6 27.51 50 50 7.4~~
~~14 6 26.61 50 50 7.4~~
~~2 72 X 14 5 44.2 2nd # 50' not 51'~~ ✓
~~2 73 14 5 44.2 is 14 5 26.40 50 50 5.6~~
~~not 14 6 27.56 50 5.6~~
~~14 5 44.2 (2) is 14 5 27.56 50 10.9~~
~~2 73 X 14 5 44.2 2nd # 50' not 51'~~ ✓
~~2 73 14 29 16.8 is 14 29 56.69 not 29 26.69~~

- ~~257 11 52 19.7 is 53 22.8 not 55 22.8~~
~~260 11 2 19.5 is 3 14.8 not 3 14.3~~
~~260 11 17 18.7 is 3 48.1 not 4 48.1~~
~~261 11 27 44.9 is 23 40.9 not 23 39.9~~
~~262 13 14 16.7 are the co's to 1875.0 right~~
~~263 12 3 5.7 ^{53°} by 1800 is 47 27.9 On Sheet~~
~~it is 32 29.5~~
~~264 11 6 12.9 is 37 41.5 not 37 42.5~~
~~264 11 15 39.5 is 43 36.8 not 43 36.3~~
~~264 12 48 6.7 is 10 14.4 not 12 48.1~~
~~265 12 50 1.6 is 42 17 48.11 ✓~~
~~266 12 16 50.0 is 12 17 48.11 not 12 47 48.21~~
~~266 12 21 28.1 is 12 22 27.04 ✓~~
~~266 12 28 5.7 is 2 58.0 not 2 56.0~~
~~266 12 30 45.6 is 20 54.6 not 19 14.6~~
~~266 12 45 16.2 is 46 9.45 not 46 9.38~~
~~266 12 49 56.8(2) is 50 48.94 not 50 48.90~~
~~266 13 44 34.8 is 50 27.5 not 50 27.5~~
~~266 13 49 35.6 is 50 21.01 not 49 21.01~~
~~267 12 52 40.6 is 53 12 35.1 not 54 12 35.1~~
~~267 268. DM is 16 26 15.0 not~~
~~267 14 1 39.6 is 26 2.9 not 26 3.0~~
~~268 DM is 13 22 13.7 not 13 22 23.7~~
~~268 13 35 11.5 is 22 13.0 not 21 13.0~~
~~265 12 50 1.6 is 50 45 25.5 not 51 46 25.5~~
~~266 11 53 54.4 is 53° not 54° ✓~~

~~Z 45 ^{10m 6m} 10 5 24.3 is 29 40.9 not 29 40.8~~
~~Z 45 10 58 51.5 is 47 9.0 not 47 8.9~~
~~Z 46 8 5 17.2 is 52 43 14.1 not 53 45 14.1~~
~~Z 46 8 27 1.7 is ^{m 8} 28 30.10 not ^{m 5} 25 30.10~~
~~Z 46 8 48 16.3 is ^{m 5} 49 42 09 not ^{m 5} 44 42 09~~
~~Z 46 9 14 52.3 is ^{m 0} 16 14.97 not ^{m 5} 16 14.77~~
~~Z 47 10 4 36.3 is 55 34.6 not 55 33.6~~
~~Z 48 ^h 9 59 48.4 is ^h 0 56 75 not ^{m 5} 1 4.56~~
~~Z 50 10 0 54.6 is ^h 0 54.6 not ^h 10 0 54.6~~
~~Z 51 9 11 12.2 is 28 45.2 not 28 46.2~~
~~Z 51 9 34 51.7 is 56 2.2 not 56 2.1~~
~~Z 51 10 8 49.8 is 25 53.2 not 25 52.5~~

~~40 16 9.6 Apr 18 is in Z 51 on sheet~~

Apr 18. 1 To which zones do K. & R
 also belong? They are in Zone 52
 Apr 18 on sheets. in Book dates are erased
 see p. 18 C 5.

~~Z 57 11 2 18.4 is 57 1.0 not 57 2.0~~

19 35.5
 23 10.2
 24 19.8
 25 30.8
 27 1.7
 29 35.3
 31 2.2

put in
 L 44

~~L 45 9 55 37.1 is 24' 41".2 not 24' 41".0~~
~~L 45 9 56 23.4 is 31' 28".7 not 31' 27".6~~
~~L 45 9 59 48.4 is 25' 54".4 not 25' 54".2~~
~~L 45 10 0 31.7 is 37' 31".5 not 37' 31".4~~
~~L 45 10 2 10.5 is 37' 58".3 not 37' 58".2~~
~~L 45 10 27 58.5 is 18' 36".5 not 18' 36".4~~
~~L 45 10 34 44 is 27' 9".1 not 27' 9".0~~
~~L 45 10 38 25.0 is 16' 42".2 not 16' 42".1~~
~~L 45 10 44 33.8 is 40' 49".1 not 40' 47".7 not 40' 47".6~~
~~and~~
~~L 45 10 46 37.8 is 34' 54".4 not 34' 54".3~~
~~L 45 10 48 23.5 is 11' 30".7 not 11' 30".5~~
~~L 45 10 49 28.7 is 22' 49".9 not 22' 49".8~~
~~L 45 10 50 36.8 is 39' 16".3 not 39' 16".2~~
~~L 45 10 54 27.6 is 54' 33".7 not 54' 33".6~~

~~Z 37 731 37.5 is 26 37.5 not 25 37.5~~
~~Z 38 654 7.0 is 2 45.00 not 2 45.6~~
~~Z 38 73 20.3 is 45 18.8 not 45 19.4~~
~~45 15.8 not 45 16.4~~
~~Z 38 713 10.3 is 56 32.2 not 56 32.9~~
~~Z 38 723 14.8 is 12 9.9 not 12 11.9~~
~~Z 38 738 32.9 is 55 40.4 not 54 40.4~~
~~Z 39 852 52.9 is 26 16.7 not 26 17.8~~
~~Z 39 97 15.3 is erased in book also~~
~~99 33.2~~

~~Z 39 912 36.4 is ^{m 5} 13 0.78 not ^{m 5} 13 59.88~~
~~Z 39 914 49.7 is 48 46.1 not 48 45.1~~
~~Z 39 936 47.8 is 54 47.0 not 54 46.9~~
~~Z 39 948 9.3 is 55 9.8 not 54 10.8~~
~~Z 41 753 48.9 is 30 28.0 not 30 24.0~~
~~Z 42 1038 25.0 is 16 42.9 not 16 41.9~~
~~Z 43 1122 6.3 is ^{m 5} 53 43 48 not ^{m 5} 53 48.48~~

~~Z 45 Apr 5 ^{h m s} 8 7 19.1~~
~~12 25.8~~
~~15 43.4~~
~~18 12.0~~

These
start are

228 ^{h m s} 5 21 47.1 δ doubtful

~~230 X 6 47 24.7 is ^{48 58.84} ✓ not 48 58.94~~

232 8 31 47.1 is ^{51 54.0} ^{.95} not 547.0

~~232 9 37 55.1 is 51 31 53.4 not 31 55.4~~

~~233 7 6 26.5 is 52 11.9 not 52 10.9~~

~~233 7 8 4.1 is 43 2.9 not 43 3.9~~

~~234 X 7 41 59.2 is ^{42 57.10} ✓ not 43 57.10~~

~~235 8 38 58.7 is 7 57.1 not 7 56.1~~

~~235 9 15 44.7 can't find in Books~~
 also 9 46 22.0 " "

~~236 6 32 32.3 omitted on sheet~~

~~236 X 6 38 18.8 is ^{39 51.20} ✓ not ^{39 51.30} ✓~~

~~236 X 6 58 34.0 is ^{55 25.83} ✓ not 56 25.8~~

~~236 X 7 0 57.8 is ^{30 52.75} ✓ not 31 52.8~~

~~237 6 20 41.0 is 43 45.1 not 43 45.9~~

~~237 7 16 34.8 is 18 51.8?~~

~~11 21 4 23 34.0 in 25 5.40~~

~~11 " 4 36 38.8 in 28 11.90~~

~~" " " 50 58 40.0 in 58 39.9~~

23 49.91

11. ~~21 442 318~~ ~~444 402~~ ~~23 49 91~~

24 5.87

~~42 44 9 44 17 12 2 1 5.87~~~~2-4.08 ✓~~

50. H. P. W. 2 4.05 not 4 1.1
18 30 30

18 30.30 ✓

~~2, 23 2 29 51.8 is 18 30.3~~~~24 11.54~~

~~24 X 5 = 120 is 24 11 5 24 11 5~~

~~L25 3 3148.8 occurs also in Suppl.~~
~~list by disagreeing. which is right?~~

~~24-11-50~~

~~226 X 5 = 2236.7 is 24 11.50 not 24 11.60~~

21.26

~~226 55752.9 is 3.1 32 21.5 9.8 5131 21.5~~~~2274 5156.8 - correction omitted~~

~~237 E. Mammitt on sheet 31. Is it
h 5-12-16.2 in book 13?~~

55 0.24 ✓

~~228/44634.2 is 55 0.24 and 5459.2 ✓~~

~~228 that 32 Am omitted is
dr 5 12 16.2?~~

1973phae.pr.01.1045R

