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Wireless Time Signals Observed at Ottawa 1921 - 1926

BY

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WIRELESS TIME SIGNALS OBSERVED AT OTTAWA

INTRODUCTION

In 1918 the Dominion Observatory commenced the daily reception of wireless time signals. At that time Annapolis or Arlington was received; in April, 1921, the Bordeaux signals of 300 beats were added to the program of reception; in August, 1924, the Nauen signals; and in January, 1928, the signals from Rugby were included.

Since 1920 the method of wireless reception employed has been that of the coincidence of signals by extinction, using an auxiliary clock. This method, the principle of which was first suggested by W. E. and F. B. Cooke in *Monthly Notices*, Vol. 77, p. 469, is described in detail in the *Journal of the Royal Astronomical Society of Canada*, March-April, 1925.

In brief, this time-vernier method uses the beats of the incoming wireless signals, and those produced by a relay operated by the local clock as two scales, on one of which the divisions are longer than on the other. The local clock relay opens the wireless circuit so that no sound can be heard during the first part of each second as read on its face, and the clock time of the disappearance or of the reappearance of the incoming beat is observed; then by keeping record of the seconds of the local clock reading at the moments of the defining seconds beat, the time of coincidence of the beats in terms of the time of the incoming signals is easily found.

The rhythmic wireless signals are themselves rated to gain on a sidereal clock. In receiving these, the first appearance of the signal as the "opens" of the relay creep ahead in the series (or, more strictly, one-half beat earlier than this), is taken as the moment of coincidence, this being the exact time the beginning of the incoming signal coincides with the beginning of the local clock break. The times of the marking beats, 1st, 61st, etc., are also noted, so that the beat number corresponding to the local clock time of coincidence is obtained.

In receiving the United States system of signals with a gaining clock, the moment when the signals have just disappeared is the coincidence point and the reading of the local clock at this moment is noted. The seconds of the local clock corresponding to the exact minutes of the wireless signals, together with the clock times at coincidence, give the time of coincidence in terms of the wireless signals being received. The local clock used is rated to gain about 30 minutes per day.

The many advantages of the automatic registration of signals are, of course, appreciated, and different methods of registration have been tested. For some years Annapolis and Bordeaux have been received by registration as well as by coincidence. But the accuracy of the latter method, its advantages when signals are weak, and the facility with which the results are obtained, appear to make it preferable, and all the results of wireless reception herein contained have been derived by that method.

From the mean of the times of coincidence is obtained the time of the mean of the whole series of signals, and from this the times of the first and last beats are deduced. For the Bordeaux and Nauen signals the rates of the transmitting clocks have, in these reductions, been obtained from the evidence in the series of signals where possible. The mean of the coincidences is usually less than 30 seconds from the mean of the series of signals.

The clock corrections used in these reductions have been obtained from the observations with the 6-inch meridian circle. The instrument was reversed at intervals depending on the observing program, its azimuth was determined from star observations smoothed by comparison with underground meridian marks, the level error was obtained by means of a mercury basin, and the collimation from the two horizontal collimators. Up to the end of 1923 the star positions adopted were those of Boss; from the beginning of 1924 Eichelberger's positions of the clock stars have been used; the positions of the azimuth stars however are derived from the Ottawa observations from 1911 to 1924.

The sidereal clocks in use until May, 1922, consisted of a Riefler (R-75) and a Howard. At this date a second sidereal Riefler (R-412) was installed, both Riefliers being under constant temperature and pressure. The Riefler (R-75) was used as the standard sidereal clock until October 22, 1922, when the Riefler (R-412) was adopted as the standard. During the two intervals from January 1 to October 3 in 1923, and from April 1 to August 18 in 1924, while adjustments and repairs were being made to R-412, the standard clock was R-75.

Comparisons between the two sidereal clocks are made at 10 a.m. and 10 p.m. each day. The correction to the standard clock, obtained from the star observations, is reduced to 10 p.m., and from the clock comparison at that hour the correction to the other clock is obtained. After a straight interpolation between the dates on which star observations are obtained, these clock corrections are smoothed twice by taking successive means of threes. The daily differences between these smoothed corrections to the two clocks are then compared with the differences obtained from the chronograph comparisons and the discrepancies are applied equally to the smoothed corrections of the two clocks.

This publication contains all those wireless time signals observed at Ottawa which were included in the regular program of reception during the years 1921 to 1926, inclusive; that is, signals from Annapolis (17145 metres) at noon and 10 p.m., from Bordeaux (18900 metres) at 3 p.m., and from Nauen (18000 metres) at 7 a.m., or 7 p.m. The following exceptions and explanations apply to these series.

Year	Date	Hour (E.S.T.)	Signals sent by
<i>Annapolis:</i>			
1923.....	Feb. 14.....	10 p.m.....	Sayville.
1924.....	April 30, May 1, May 8, June 10.....	Noon.....	Sayville.
1925.....	Oct. 1 to 12.....	Noon and 10 p.m....	Arlington.
	Oct. 13-Nov. 17.....	Noon.....	Arlington.
	Oct. 13-Nov. 18.....	10 p.m.....	Coram Hill (WQL).
1926.....	Jan. 28.....	Noon.....	Arlington.
	Feb. 18-Mar. 2.....	Noon and 10 p.m....	Arlington.
	July 12.....	Noon.....	Arlington.
	Sept. 27, Sept. 28.....	10 p.m.....	Arlington.
	Oct. 4.....	10 p.m.....	Bellevue.

Year	Date	Hour (E.S.T.)
<i>Bordeaux:</i> 1925.....	May 16 to Sept. 30.....	3 a.m. signals received.
<i>Nauen:</i> 1924.....	Aug. 3-Oct. 31..... Nov. 1-Dec. 31.....	7 a.m. signals received. 7 p.m. " "
1925.....	Jan. 1-May 14..... May 15-Sept. 30..... Oct. 1-Dec. 31.....	7 p.m. " " 7 a.m. " " 7 p.m. " "
1926.....	Jan. 1-May 31..... June 1-Nov. 30..... Dec. 1-Dec. 31.....	7 p.m. " " 7 a.m. " " 7 p.m. " "

In addition to the regular series of signals, there have been received at Ottawa the following series:—

Year	Sending station	Period covered	Hour of reception (E.S.T.)
1920.....	San Francisco (NPG)..... Darlen (NBA).....	Nov. 17-Dec. 31..... Nov. 16-Dec. 26.....	1 a.m. 1 p.m. and 5 a.m.
1921.....	San Francisco (NPG)..... San Diego (NPL).....	Jan. 1-Oct. 8..... May 16-Oct. 7.....	1 a.m. 3 p.m.
1922.....	San Francisco (NPG)..... Coram Hill (WQL)..... San Diego (NPL)..... Darlen (NBA).....	May 24-Oct. 7..... Sept. 10-Sept. 21..... May 24-Oct. 9..... May 23-Oct. 9.....	1 a.m. 9 a.m. 3 p.m. 1 p.m. and 5 a.m.
1923.....	Honolulu (NPM).....	Dec. 11-Dec. 31.....	7 a.m. and 7 p.m.
1924.....	Honolulu (NPM).....	Jan. 1-Mar. 31.....	7 a.m. and 7 p.m.
1925.....	San Diego (NPL)..... Annapolis (NSS).....	May 16-Sept. 29..... May 16-Sept. 30.....	1 a.m. 3 a.m.
1926.....	Annapolis (NSS)..... Bellevue (NKF)..... Honolulu (NPM)..... Bordeaux (LY).....	Oct. 1-Nov. 30..... Oct. 1-Nov. 30..... Oct. 1-Nov. 30..... Oct. 1-Nov. 30.....	5.10 a.m., 3.10 p.m., and 10.10 p.m. 5.20 a.m., 3.20 p.m., and 10.20 p.m. 5.30 a.m., 3.30 p.m., and 10.30 p.m. 3 a.m.

In the Ottawa-Washington comparisons the observed corrections to the times of the signals are given; in the following columns these are adjusted for the corrections published by the Naval Observatory, and are thus the differences between the Ottawa and Washington observed times in the sense Ottawa-Washington.

For the Bordeaux signals the Greenwich sidereal times of the first and last beats are given, the hours and minutes of the last beat being omitted. A comparison of the observed times of Ottawa and Paris is obtained by comparing the Ottawa times with the "demi-definitive" times published in the Bulletin Horaire du Bureau International de l'Heure.

In the Ottawa-Nauen comparisons the eastern standard time of the 151st beat (the middle beat of the series) is given, and also the difference between the Ottawa times and the Hamburg times as published in the Beobachtungs-Zirkular der Astronomischen Nachrichten.

The longitude of Ottawa is taken to be $5^{\text{h}} 02^{\text{m}} 51^{\text{s}}.940$, and in the tables of daily comparisons no allowance for time of transmission of the wireless signals is made. All the dates are in eastern standard time.

Monthly and yearly means of the daily comparisons of time differences are shown in Tables 1, 2, 3, and 4. In these tables the differences of time have been corrected for a transmission time of 299860 kilometres per second as follows:—

	Transmission time
Ottawa-Washington.....	-·002s
Ottawa-Paris.....	-·017
Ottawa-Hamburg.....	-·020

For the differences in catalogue places the following corrections have been made:—

Ottawa-Washington.....	1923	-·047
Ottawa-Paris.....	1924	+·047
Ottawa-Hamburg.....	1924	+·049
	1925	+·049
	1926	+·050

After applying the above corrections the monthly means of the differences give the following deduced corrections to the assumed differences of longitude between Ottawa-Washington and Ottawa-Paris.

	Assumed arc		Difference of time	Deduced arc	
	h.	m. s.	s.	h.	m. s.
Ottawa-Washington.....	0	05 23·840	-·020	0	05 23·820
Ottawa-Paris.....	5	12 12·980	+·008	5	12 12·972

Though the monthly means are not of equal weight, the winter months having usually fewer observations for clock correction, no weights have been applied. The Nauen signals are not usually as strong as those of Bordeaux, their reception does not cover so long a period as Bordeaux or Annapolis, and the comparison Ottawa-Hamburg is correspondingly less satisfactory. Throughout these tables the fairly frequent changes from month to month of large amount (from five to ten-hundredths of a second) are conspicuous. An analysis of level, azimuth and clamp corrections fails to disclose any satisfactory explanation of these in the Ottawa clock corrections. The residuals in the last column are in each case the differences between the monthly means and the final mean. In Table 1 these show a well-defined yearly curve with a maximum in January and a minimum in August. In Table 2 there is some evidence of the same yearly variation, and in Table 3 a similar yearly curve with the same phase but of much greater amplitude. Table 4 shows a similar curve but in opposite phase. A critical discussion of these tables will accompany the publication of the similar tables for the years 1927, 1928, and 1929.

Most of the results of the wireless time reception at Ottawa up to the end of 1924, have already been published by the Director, Mr. R. Meldrum Stewart, who initiated the wireless work at this Observatory, took part of the routine work for some years, and analyzed the results. The great part of the reception in 1924, 1925, and 1926, was carried on by Mr. J. P. Henderson, who also installed and operated the equipment used in time distribution by short wave and by concert radio, and whose investigations have led to many improvements in reception equipment.

DOMINION OBSERVATORY,

OTTAWA, February, 1930.

Date 1921	Ottawa-Washington				Bordeaux (G. Sid. T.)			ΔT at 10 p.m.	
	Observed		Corrected		1st beat		300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.					
	s.	s.	s.	s.	h.	m.	s.	s.	s.
April 1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									
11.									
12.									
13.								-6.721	
14.	+07		+07		9	37	12.78	06.80	-6.805
15.	+09		+07						-6.901
16.	+08		+09						-6.992
17.					45	50.23	44.25		-7.084
18.					50	21.64	15.66	-7.172	-7.176
19.	+12		+17		52	55.47	49.50	-7.278	-7.268
20.	+17		+17		58	26.68	20.70		-7.356
21.	+14		+16		10	02	58.75	52.78	-7.439
22.	+14		+16		05	33.22	27.24		-7.520
23.	+12		+14		09	06.76	00.78		-7.601
24.					12	41.63	35.65	-7.681	-7.685
25.	+15		+12					-7.764	-7.774
26.	+13		+10					-7.876	-7.866
27.	+13		+11					-7.957	-7.956
28.	+16		+09		33	57.97	51.99		-8.045
29.	+10		+09						-8.132
30.	+09		+10		36	33.96	27.99		-8.219
May 1.					10	41	05.13	59.15	-8.306
2.	+10		+10		49	42.92	36.95		-8.394
3.	+09		+09		48	10.83	04.85		-8.486
4.	+10		+10		52	42.85	36.87	-8.569	-8.586
5.	+07		+09		56	16.63	10.65		-8.697
6.	+12		+11		11	00	10.35	04.37	-8.820
7.	+11		+10		04	45.69	39.72	-8.932	-8.921
8.					09	16.66	10.69		-9.022
9.	+11		+08		11	49.94	43.96	-9.115	-9.111
10.	+10		+12		15	23.54	17.56	-9.208	-9.192
11.	+09		+10					-9.254	-9.269
12.					23	33.03	27.06		-9.350
13.	+09	+08	+12	+12					-9.436
14.	+09	+10	+12	+14					-9.528
15.		+12	+12	+12					-9.616
16.	+13	+15	+14	+15	39	24.51	18.53	-9.711	-9.707
17.	+11	+14	+14	+16	51	29.98	24.00	-9.773	-9.781
18.	+14		+17		53	40.66	34.68	-9.920	-9.875
19.	+10	+10	+10	+10	12	11	25.63	19.65	-9.926
20.	+12	+13	+10	+11				-10.002	-10.007
21.		+10		+07				-10.066	-10.076
22.	+10	+08	+05	+05					-10.158
23.	+10	+10	+03	+03	06	38.37	32.39	-10.247	-10.240
24.	+09		-03		10	42.22	36.24		-10.324
25.	+09	+10	-03	-01	14	26.62	20.65	-10.398	-10.406
26.	.00	+03	-01	+03	18	45.33	39.36	-10.506	-10.487
27.	-01	-01	-01	-01	26	47.34	41.36	-10.555	-10.565
28.	-02	-02	-02	-01					-10.644
29.									-10.726
30.	-08		-06		34	41.46	35.48		-10.812
31.	-07		-05						-10.893

Date 1921		Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
		Observed		Corrected		1st beat 300th beat		Observed	Adopted
		Noon	10 p.m.	Noon	10 p.m.				
		s.	s.	s.	s.	h. m. s.	s.	s.	s.
June	1	+04	.....	+02	.....	12 44 53.83	47.85	-10.983	-10.964
	2	.00	.....	-01	.....	46 46.67	40.69	.....	-11.021
	3	-05	+01	-03	-02	50 23.32	17.34	.....	-11.065
	4	-05	-02	-02	-01	53 59.73	53.76	-11.111	-11.097
	5	.00	-01	.00	+01	58 35.36	29.38	.....	-11.122
	6	-03	-02	-01	+03	13 03 11.17	05.20	-11.132	-11.149
	7	+02	+07	+02	+04	06 28.47	22.49	.....	-11.183
	8	+04	+09	.00	+04	09 54.98	49.00	-11.230	-11.221
	9	+04	+08	-01	+01	.....	.....	.....	-11.256
	10	-04	+03	+01	+03	.....	.....	.....	-11.286
	11	+02	+01	+04	+02	22 14.53	08.55	.....	-11.315
	12	-02	+02	+01	+04	25 52.02	46.05	.....	-11.352
	13	+04	+02	+01	+01	33 32.64	26.66	-11.371	-11.396
	14	+03	+12	-01	+09	36 49.40	43.42	-11.481	-11.447
	15	.00	+01	-01	-01	.....	.....	-11.490	-11.485
	16	.00	-01	-01	-01	42 00.07	54.09	.....	-11.517
	17	-02	+01	-02	-02	45 36.10	30.13	-11.536	-11.543
	18	-02	+04	-04	+02	.....	.....	-11.584	-11.569
	19	+04	-01	.00	-03	.....	.....	.....	-11.588
	20	-02	+01	-02	+02	.....	.....	.....	-11.601
	21	-04	.00	-01	+02	.....	.....	.....	-11.610
	22	+01	+02	+03	+04	14 05 38.75	32.77	.....	-11.622
	23	+05	.00	+08	+06	16 32.28	26.30	-11.627	-11.638
	24	-04	-05	+03	.00	13 15.67	09.69	-11.663	-11.662
	25	+03	.00	+01	+01	.....	.....	.....	-11.689
	26	+05	-04	+06	-03	.....	.....	.....	-11.718
	27	+02	-05	-03	-02	.....	.....	.....	-11.740
	28	-07	-08	-02	-03	.....	.....	-11.773	-11.755
	29	-03	-05	-07	.00	.....	.....	-11.746	-11.759
	30	-06	-06	-02	+01	.....	.....	-11.770	-11.760
July	1	-08	-10	+03	+01	.....	.....	.....	-11.755
	2	+04	+05	+04	+05	.....	.....	.....	-11.750
	3	+04	+07	+05	+08	.....	.....	-11.737	-11.743
	4	+05	+06	+11	+12	.....	.....	.....	-11.741
	5	+08	+11	+11	+14	.....	.....	.....	-11.742
	6	+08	+11	+14	+13	.....	.....	.....	-11.745
	7	+08	+06	+13	+10	.....	.....	.....	-11.747
	8	+12	+12	+13	+12	.....	.....	.....	-11.750
	9	+07	+12	+08	+10	.....	.....	.....	-11.753
	10	+09	+11	+09	+09	.....	.....	.....	-11.759
	11	+10	+10	+08	+08	.....	.....	-11.758	-11.772
	12	+07	+08	+07	+06	.....	.....	.....	-11.796
	13	.00	+03	+05	+04	.....	.....	.....	-11.827
	14	+04	+04	+05	+04	.....	.....	.....	-11.851
	15	+04	+06	+03	+04	.....	.....	-11.895	-11.862
	16	+08	+05	+05	+03	.....	.....	-11.844	-11.855
	17	+06	+10	+03	+06	.....	.....	.....	-11.845
	18	+10	+05	+05	+06	.....	.....	.....	-11.835
	19	+04	+03	+04	+03	.....	.....	.....	-11.830
	20	.00	+05	+04	+06	.....	.....	.....	-11.835
	21	+05	+08	+02	+05	15 59 35.87	29.47	-11.821	-11.845
	22	+05	+04	+02	+03	.....	.....	-11.898	-11.862
	23	+04	+05	+01	+03	16 06 34.03	27.64	-11.861	-11.871
	24	.....	-01	.....	.00	.....	.....	.....	-11.881
	25	-03	+02	-01	+03	.....	.....	.....	-11.884
	26	-03	-04	+01	-01	.....	.....	-11.903	-11.881
	27	.00	+01	-03	-01	23 30.11	23.72	.....	-11.871
	28	+02	+02	+01	-01	.....	.....	-11.833	-11.855
	29	+03	+04	+01	+03	.....	.....	-11.874	-11.836
	30	+04	.....	+02	.....	.....	.....	-11.812	-11.800
	31	.....	+06	.....	+04	.....	.....	.....	-11.756

Date 1921	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Aug. 1.....	+12	+10	+09	+07			-11.685	-11.711
2.....	+07	+09	+04	+05			-11.696	-11.675
3.....	+09	+08	+03	+05				-11.638
4.....	+09	+10	+04	+07	16 53 24.03	17.64	-11.589	-11.599
5.....	+14	+07	+14	+07	57 44.31	37.92	-11.561	-11.560
6.....	+03	+03	+02	+04				-11.523
7.....	+04	+03	+07	+07	17 05 16.85	10.46		-11.488
8.....	-03	-09	+03	+02	10 09.28	02.88		-11.451
9.....	-09	-16	+06	+08	13 38.78	32.39	-11.414	-11.414
10.....	-28	-33	+11	+13	17 47.82	41.43		-11.377
11.....	-50	-51	+05	+09	21 37.70	31.31		-11.339
12.....	+04	+01	+05	+01	25 08.95	02.56	-11.303	-11.298
13.....	+03	-04	+02	+01				-11.254
14.....	+03	+05	00	+03	33 09.74	03.35		-11.208
15.....	+01	+04	-01	+04	37 38.98	32.59		-11.162
16.....	+02	+02	00	+01	41 18.71	12.32	-11.113	-11.119
17.....	+04	+05	+02	+05	45 37.68	31.29		-11.082
18.....	00	+02	+02	+01	49 07.84	01.45		-11.048
19.....	-01	-03	+02	00	55 34.94	28.56		-11.016
20.....	-03	-02	+02	+02	57 06.90	00.51		-10.983
21.....	-07	-06	00	+01	18 00 36.89	30.50		-10.950
22.....	-02	+01	+01	+02				-10.918
23.....	-03	-02	+02	00				-10.880
24.....	-04	-07	+01	+02			-10.855	-10.845
25.....	+01	+02	+02	+03			-10.774	-10.808
26.....	00	+02	+03	+05			-10.810	-10.773
27.....	+09	-01	+06	-01	26 05.58	59.18		-10.722
28.....	-02	-01	-01	00	30 32.19	25.79		-10.657
29.....	-02		00				-10.584	-10.587
30.....	-05	-05	+02	+05			-10.490	-10.525
31.....	00	00	+01	+03			-10.496	-10.479
Sept. 1.....	00	-02	+03	+03			-10.432	-10.434
2.....	-03	-01	+02	+04			-10.399	-10.391
3.....		+06		+05			-10.329	-10.344
4.....	+03	+05	+01	+03			-10.304	-10.307
5.....	+01	+06	-01	+04				-10.269
6.....	+01	-03	+03	+01	19 13 26.15	19.76	-10.246	-10.227
7.....	-01	+02	+03	+04			-10.167	-10.175
8.....	+01	-01	+03	+02	12 32.07	25.68	-10.117	-10.122
9.....	+03	+03	+03	+04				-10.071
10.....	+09	+08	+08	+08				-10.025
11.....	+11	+12	+09	+09				- 9.981
12.....	+09	+10	+07	+07	29 24.34	17.94	- 9.933	- 9.938
13.....	+06	+07	+06	+04			- 9.904	- 9.897
14.....		+12		+09	36 22.04	15.65		- 9.853
15.....	+07	+06	+04	+04	43 50.06	43.67	- 9.806	- 9.821
16.....	-02	-01	-01	+02	45 08.34	01.96	- 9.763	- 9.812
17.....	-07	-07	-04	+01				- 9.840
18.....	-03	-01	+02	+06	52 43.79	37.40		- 9.876
19.....	+11	+10	+10	+09	20 03 31.49	25.10	- 9.958	- 9.892
20.....	+06	+06	+04	+05				- 9.857
21.....		+01		-01	05 37.72	31.33		- 9.792
22.....	00	+01	-01	00	08 09.33	02.94	- 9.705	- 9.715
23.....	-02	+01	00	00				- 9.646
24.....	00	+01	+01	+01	26 56.91	50.52		- 9.582
25.....	00	+06	-01	+05				- 9.523
26.....	+03	+04	+04	+03	24 08.60	02.22	- 9.460	- 9.469
27.....	+02	00	+04	+02	28 42.70	36.31		- 9.423
28.....	-03	-02	+01	+03	32 07.49	01.10	- 9.379	- 9.377
29.....	-02	-03	+05	+03			- 9.349	- 9.330
30.....	+01	+02	+01	+02	40 04.63	58.23	- 9.262	- 9.274

Date 1921		Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
		Observed		Corrected		1st beat	300th beat	Observed	Adopted
		Noon	10 p.m.	Noon	10 p.m.				
Oct.	1		+02		+05	20 43 33.58	27.19		- 9.222
	2	+01		+05		47 02.44	56.04		- 9.172
	3	.00	+03	+01	+06	21 00 20.85	14.46		- 9.127
	4	-02	-03	+03	+04	20 56 18.36	11.97		- 9.082
	5	-07	-05	+03	+04	59 28.35	21.96		- 9.037
	6	-02	+05	+06	+06	21 06 53.04	46.64		- 8.992
	7	+01	+10	+05	+08	23 08.55	02.16		- 8.947
	8	+14	+14	+11	+11				- 8.903
	9	+15	+17	+09	+12	15 23.12	16.73		- 8.858
	10	+18	+20	+12	+16				- 8.813
	11	+07	+06	+12	+10	24 19.09	12.70		- 8.768
	12	+12		+11		27 52.65	46.25		- 8.722
	13							- 8.678	- 8.680
	14	+04		+10		35 44.16	37.76	- 8.620	- 8.641
	15					40 11.45	05.06	- 8.628	- 8.607
	16	+12	+14	+10	+11	48 34.14	27.74		- 8.566
	17	+14		+15					- 8.518
	18								- 8.463
	19	+14		+10		56 02.20	55.81		- 8.408
	20	+18	+21	+17	+21	22 08 20.96	14.57		- 8.353
	21	+18		+17		02 59.11	52.72		- 8.298
	22	+19	+19	+17	+21	07 27.71	21.32		- 8.243
	23	+19		+15		12 55.78	49.39		- 8.188
	24	+13	+17	+18	+21	26 13.21	06.82		- 8.133
	25	+18		+17		18 52.81	46.41		- 8.066
	26	+16	+16	+15	+15	22 21.06	14.67	- 8.023	- 7.984
	27	+13	+10	+14	+13	28 46.80	40.41	- 7.856	- 7.888
	28	+14		+15		29 19.40	13.01		- 7.796
	29	+05		+07		37 43.38	36.99	- 7.720	- 7.711
	30	+07		+10		39 14.51	08.11	- 7.627	- 7.634
	31	+06	+05	+11	+08				- 7.559
Nov.	1	-01	+01	+06	+08	22 46 12.01	05.62		- 7.484
	2	+05		+05		48 42.18	35.78	- 7.415	- 7.407
	3	+07		+07		54 09.11	02.71		- 7.324
	4	+14	+06	+14	+06	57 38.22	31.83		- 7.237
	5	+07	+07	+04	+06	23 02 05.13	58.74		- 7.148
	6	+10	+11	+05	+07	05 33.94	27.55		- 7.059
	7	+12	+15	+06	+08	08 03.68	57.28		- 6.972
	8	+09	+11	+08	+06	16 27.22	20.83	- 6.881	- 6.887
	9	+09		+03		17 58.06	51.67		- 6.808
	10	+15		+06		22 25.79	19.39		- 6.731
	11	+05	+08	+05	+07				- 6.656
	12	+03	+04	+06	+07	32 20.92	14.53		- 6.581
	13	+02	+01	+05	+06				- 6.506
	14	+01	-01	+06	+06	37 21.19	14.80		- 6.431
	15	-04	-03	+03	+05	40 50.40	44.01		- 6.356
	16	+07	+07	+07	+03	45 19.29	12.90		- 6.281
	17	+07	+05	+05	+03	49 47.59	41.20		- 6.207
	18	+07		+03		53 16.41	10.02		- 6.132
	19	+02	+05	+06	+03	57 44.42	38.03		- 6.057
	20	+03	+05	+04	+03	0 01 28.94	22.55		- 5.982
	21	+06		+05		04 59.54	53.15		- 5.907
	22	+01		+05		09 27.68	21.29		- 5.832
	23	-02	-01	+04	+04	12 56.70	50.30	- 5.757	- 5.755
	24	-03		+03		16 25.37	18.98		- 5.677
	25	-10		+01		21 52.81	46.42		- 5.598
	26	+04	+02	+05	+05	39 07.74	01.34		- 5.519
	27	+03		+04		26 54.32	47.92		- 5.439
	28	+03		+06		39 13.68	07.29		- 5.360
	29	-02		+04		34 51.88	45.49		- 5.281
	30	+04		+05					- 5.201

Date 1921	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
Dec. 1	s. +·04	s. +·03	s. +·08	s. +·07	h. m. s. 0 42 49·15	s. 42·76	s.	s. - 5·122
2	.....	.....	.....	.....	47 17·32	10·93	.....	- 5·035
3	+·05	+·15	+·13	+·14	50 46·37	39·98	- 4·964	- 4·934
4	+·06	.....	+·13	.....	.....	.....	.....	- 4·817
5	+·13	+·15	+·14	+·15	58 43·19	36·80	- 4·670	- 4·701
6	+·13	.....	+·13	.....	.....	.....	.....	- 4·607
7	+·07	+·06	+·10	+·09	1 06 05·78	59·39	- 4·516	- 4·535
8	+·03	+·02	+·06	+·06	.....	.....	- 4·499	- 4·474
9	+·04	.....	+·10	.....	14 01·92	55·52	.....	- 4·403
10	+·11	+·12	+·10	+·11	17 34·93	28·54	.....	- 4·323
11	+·11	+·12	+·11	+·12	22 02·83	56·44	.....	- 4·235
12	+·10	+·09	+·12	+·10	26 31·46	25·07	.....	- 4·148
13	+·09	.....	+·11	.....	31 59·46	53·07	.....	- 4·060
14	+·11	+·10	+·16	+·14	35 29·74	23·35	.....	- 3·973
15	+·14	.....	+·15	.....	39 58·76	52·37	- 3·884	- 3·887
16	+·20	.....	+·16	.....	50 21·42	15·03	.....	- 3·803
17	+·21	.....	+·15	.....	46 59·53	53·14	.....	- 3·721
18	+·21	+·22	+·12	+·13	52 52·95	46·55	.....	- 3·640
19	+·14	.....	+·14	.....	57 19·45	13·05	- 3·558	- 3·559
20	+·14	.....	+·14	.....	2 09 37·26	30·86	.....	- 3·480
21	+·09	.....	+·14	.....	05 03·46	57·07	.....	- 3·402
22	+·19	.....	+·22	.....	11 30·41	24·02	.....	- 3·324
23	+·06	.....	+·09	.....	09 37·41	30·94	.....	- 3·245
24	-·02	.....	+·07	.....	16 40·26	33·79	.....	- 3·167
25	-·03	.....	+·05	.....	19 47·66	41·19	.....	- 3·089
26	-·06	.....	+·03	.....	23 54·11	47·65	.....	- 3·011
27	-·10	.....	+·03	.....	25 03·74	57·27	.....	- 2·932
28	.....	.....	.....	.....	31 07·76	01·29	.....	- 2·854
29	.....	.....	.....	.....	37 11·41	04·94	.....	- 2·775
30	-·08	.....	-·05	.....	.....	.....	.....	- 2·696
31	+·03	.....	·00	.....	56 11·18	04·71	.....	- 2·618
1922 Jan. 1	+·03	.....	-·07	.....	2 47 31·32	24·86	.....	- 2·559
2	+·03	.....	-·08	.....	.....	.....	.....	- 2·482
3	·00	.....	-·07	.....	58 39·49	33·02	.....	- 2·405
4	+·02	.....	-·04	.....	58 49·50	43·03	.....	- 2·328
5	+·07	.....	·00	.....	3 02 55·11	48·65	.....	- 2·242
6	+·08	.....	+·02	.....	08 01·92	55·46	- 2·175	- 2·145
7	+·23	.....	+·05	.....	13 08·66	02·20	- 2·008	- 2·037
8	+·16	.....	+·07	.....	21 11·99	05·53	.....	- 1·940
9	+·23	.....	+·10	.....	19 26·45	19·99	.....	- 1·851
10	+·21	.....	+·10	.....	24 33·04	26·58	.....	- 1·773
11	+·16	.....	+·09	.....	30 38·68	32·21	.....	- 1·690
12	+·14	.....	+·06	.....	30 50·68	44·21	- 1·616	- 1·601
13	+·13	.....	+·06	.....	42 49·63	43·17	.....	- 1·499
14	+·14	.....	+·06	.....	40 03·94	57·48	.....	- 1·390
15	+·13	.....	+·05	.....	43 11·62	05·15	.....	- 1·278
16	+·14	.....	+·08	.....	42 23·56	17·10	.....	- 1·170
17	+·15	.....	+·09	.....	47 29·15	22·68	- 1·052	- 1·071
18	+·12	.....	+·07	.....	53 33·84	27·38	.....	- 0·987
19	+·14	.....	+·09	.....	4 02 35·20	28·73	.....	- 0·907
20	+·11	.....	+·07	.....	03 45·27	38·81	- 0·842	- 0·823
21	+·12	.....	+·07	.....	10 48·81	42·35	- 0·722	- 0·735
22	+·07	.....	+·06	.....	10 00·69	54·23	.....	- 0·646
23	+·14	.....	+·04	.....	15 05·90	59·44	.....	- 0·542
24	+·17	.....	+·06	.....	20 11·06	04·59	.....	- 0·453
25	+·22	.....	+·08	.....	23 18·44	11·97	- 0·361	- 0·365
26	+·16	.....	+·06	.....	25 27·03	20·56	- 0·282	- 0·275
27	+·20	.....	+·11	.....	33 28·86	22·40	- 0·198	- 0·173
28	+·24	.....	+·13	.....	33 39·54	33·07	.....	- 0·048
29	+·24	.....	+·12	.....	41 41·69	35·22	.....	+ 0·082
30	+·15	.....	+·06	.....	38 55·81	49·34	+ 0·219	+ 0·221
31	+·20	.....	+·10	.....	44 01·26	54·80	+ 0·378	+ 0·354

Date 1922	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Feb. 1.....	+·23	+·20	+·08	+·07	4 48 07·82	01·35	.....	+ 0·471
2.....	+·22	+·21	+·07	+·03	51 15·38	08·92	.....	+ 0·578
3.....	+·08	+·08	+·04	+·04	58 18·29	11·82	.....	+ 0·679
4.....	.....	.....	.....	.....	5 02 24·59	18·12	+ 0·778	+ 0·783
5.....	+·11	+·11	+·08	+·07	05 32·05	25·58	.....	+ 0·890
6.....	+·11	+·11	+·06	+·11	09 38·62	32·16	.....	+ 0·998
7.....	+·10	.....	+·09	.....	09 49·56	43·10	+ 1·112	+ 1·104
8.....	+·08	.....	+·08	.....	22 46·17	39·71	.....	+ 1·204
9.....	+·04	+·06	+·07	+·10	19 01·25	54·78	.....	+ 1·300
10.....	+·01	+·01	+·06	+·08	25 05·41	58·94	.....	+ 1·386
11.....	+·12	.....	+·03	.....	28 12·71	06·24	+ 1·487	+ 1·458
12.....	+·10	+·11	+·04	+·06	34 16·66	10·19	.....	+ 1·509
13.....	+·11	.....	+·02	.....	38 22·77	16·30	.....	+ 1·546
14.....	+·13	+·14	+·04	+·04	43 27·89	21·42	.....	+ 1·579
15.....	+·13	.....	+·03	.....	43 38·24	31·77	+ 1·605	+ 1·620
16.....	+·07	.....	-·02	.....	50 40·92	34·46	.....	+ 1·667
17.....	+·06	.....	-·00	.....	52 48·83	42·36	+ 1·729	+ 1·716
18.....	+·03	+·04	+·01	+·03	57 53·56	47·09	.....	+ 1·759
19.....	-·01	.....	+·01	.....	6 00 01·60	55·13	.....	+ 1·798
20.....	-·01	+·02	+·03	+·05	02 09·79	03·32	+ 1·828	+ 1·838
21.....	-·02	.....	+·03	.....	15 06·23	59·76	.....	+ 1·887
22.....	+·13	+·17	+·01	+·05	12 20·32	13·85	.....	+ 1·941
23.....	+·16	+·20	+·05	+·07	20 22·62	16·16	.....	+ 2·005
24.....	+·21	.....	+·08	.....	.....	.....	+ 2·054	+ 2·067
25.....	+·18	.....	+·11	.....	24 40·16	33·70	+ 2·176	+ 2·120
26.....	+·11	+·10	+·08	+·07	29 45·33	38·87	+ 2·150	+ 2·142
27.....	+·07	.....	+·05	.....	39 45·06	38·59	+ 2·147	+ 2·159
28.....	+·14	.....	+·08	.....	36 00·35	53·88	+ 2·128	+ 2·174
Mar. 1.....	+·12	.....	+·06	.....	6 39 07·98	01·52	+ 2·256	+ 2·216
2.....	+·12	+·09	+·08	+·06	42 15·52	09·05	+ 2·226	+ 2·259
3.....	+·07	+·09	+·05	+·06	51 16·43	09·97	+ 2·314	+ 2·322
4.....	+·16	+·14	+·07	+·06	49 29·47	23·01	+ 2·384	+ 2·386
5.....	+·14	+·15	+·08	+·10	53 35·25	28·78	+ 2·477	+ 2·455
6.....	+·16	.....	+·09	.....	58 39·88	33·41	.....	+ 2·508
7.....	+·24	.....	+·15	.....	7 03 44·52	38·05	.....	+ 2·551
8.....	.....	.....	.....	.....	08 49·03	42·57	+ 2·588	+ 2·588
9.....	.....	.....	.....	.....	10 56·64	50·17	.....	+ 2·635
10.....	+·16	.....	+·11	.....	16 59·91	53·44	+ 2·663	+ 2·695
11.....	+·13	.....	+·08	.....	18 08·87	02·40	+ 2·789	+ 2·765
12.....	+·10	.....	+·02	.....	21 15·62	09·15	+ 2·850	+ 2·822
13.....	+·11	.....	+·03	.....	33 12·48	06·01	.....	+ 2·872
14.....	+·04	.....	-·02	.....	29 26·89	20·42	+ 2·881	+ 2·926
15.....	+·03	.....	-·01	.....	34 31·37	24·90	.....	+ 3·008
16.....	+·09	.....	+·03	.....	40 34·73	28·26	.....	+ 3·116
17.....	+·07	.....	+·04	.....	44 40·32	33·85	+ 3·230	+ 3·231
18.....	+·16	.....	+·14	.....	48 45·66	39·19	+ 3·366	+ 3·337
19.....	+·17	.....	+·08	.....	50 53·04	46·57	.....	+ 3·423
20.....	+·15	.....	+·06	.....	54 58·47	52·01	.....	+ 3·496
21.....	+·18	.....	+·07	.....	58 05·39	58·92	.....	+ 3·558
22.....	+·11	.....	+·05	.....	8 05 07·95	01·49	+ 3·625	+ 3·617
23.....	+·14	.....	+·07	.....	05 18·13	11·66	.....	+ 3·671
24.....	+·11	.....	+·06	.....	11 21·83	15·36	.....	+ 3·721
25.....	+·11	.....	+·07	.....	15 27·30	20·83	.....	+ 3·769
26.....	.....	.....	.....	.....	19 32·67	26·20	+ 3·817	+ 3·818
27.....	+·08	.....	+·05	.....	23 38·08	31·61	.....	+ 3·867
28.....	+·07	.....	+·07	.....	25 45·72	39·25	.....	+ 3·922
29.....	+·14	.....	+·06	.....	31 49·21	42·74	+ 3·966	+ 3·987
30.....	+·15	.....	+·05	.....	.....	.....	.....	+ 4·068
31.....	+·18	.....	+·07	.....	36 05·35	58·88	.....	+ 4·160

Date 1922	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
April 1	+·24		+·08		8 40 11·08	04·61		+4·258
2	+·16		+·06		52 07·92	01·45		+4·352
3	+·16		+·06		49 21·11	14·64	+4·452	+4·440
4	+·14		+·03		53 26·31	19·83		+4·517
5	+·13		+·05				+4·590	+4·587
6	+·12		+·02		9 00 34·15	27·67		+4·651
7	+·12		+·03		06 35·33	28·86		+4·714
8	+·15		+·01		12 36·38	29·90		+4·775
9	+·11		-·03		13 42·96	36·48		+4·839
10	+·15		·00				+4·899	+4·905
11	-·02		-·01		19 51·55	45·07		+4·977
12	·00		+·02		24 53·68	47·20		+5·051
13	+·10		+·02		29 55·75	49·27		+5·127
14					34 57·86	51·38		+5·198
15	+·06		+·02		45 53·44	46·96	+5·279	+5·260
16	+·10		·00		40 07·84	01·36		+5·308
17	+·07		-·04		45 10·20	03·73		+5·350
18		+·13		+·01	50 12·60	06·12	+5·379	+5·396
19	+·14		+·04		50 20·82	14·34	+5·450	+5·455
20	+·19		-·01		58 20·22	13·75		+5·520
21	+·13		·00		10 00 26·20	19·73	+5·594	+5·585
22	+·18		+·01		04 29·74	23·26		+5·656
23	+·17		·00		03 38·78	32·31	+5·698	+5·742
24	+·18		+·05		12 36·95	30·48	+5·863	+5·844
25	+·17		+·05		15 41·84	35·37	+5·972	+5·940
26	+·15		+·04		22 42·27	35·80		+6·024
27	+·17		+·04		23 49·40	42·93	+6·073	+6·097
28	+·15		+·02		25 55·65	49·17	+6·191	+6·174
29	+·05		-·06		32 56·39	49·92	+6·255	+6·245
30					35 02·57	56·10		+6·310
May 1	·00		-·04		10 40 05·50	59·03	+6·366	+6·364
2	-·03		-·04		42 11·70	05·23		+6·415
3		+·05		-·02	50 11·38	04·91		+6·466
4	+·03		-·03		55 14·56	08·09		+6·516
5		+·03		-·03	59 18·97	12·50		+6·568
6	+·03		-·08		59 27·90	21·42	+6·616	+6·624
7	+·10		-·03					+6·687
8	+·10		-·03		11 07 36·40	29·93	+6·752	+6·756
9	+·11		-·03		12 39·61	33·14		+6·834
10	-·06		-·08				+6·908	+6·914
11	-·06		-·10				+7·016	+6·992
12	-·04							+7·057
13	+·10						+7·109	+7·116
14	+·06		-·05		33 00·10	53·63		+7·169
15	+·07		-·07		40 59·79	53·31	+7·231	+7·216
16	-·02		-·08		39 10·58	04·11	+7·268	+7·262
17	-·01		-·08		42 15·60	09·13		+7·295
18	-·03		-·11		47 18·58	12·10		+7·349
19	+·01		-·08		50 23·95	17·48		+7·356
20	·00		-·07					+7·371
21	-·05		-·09				+7·376	+7·351
22	-·05		-·05				+7·299	+7·317
23	+·02	+·05	-·07	-·04			+7·288	+7·287
24	·00	·00	-·09	-·09	12 07 50·64	44·16		+7·283
25	+·02	+·02	-·07	-·08			+7·277	+7·276
26	·00	-·01	-·08	-·07	18 56·39	49·91	+7·266	+7·274
27	-·04	·00	-·09	-·05	24 58·94	52·47	+7·267	+7·292
28	-·02	-·01	-·07	-·07	30 02·50	56·03	+7·333	+7·317
29	+·09	+·10	-·07	-·07	29 12·50	06·03	+7·361	+7·339
30	+·11	+·10	-·05	-·08	34 16·39	09·92	+7·343	+7·355
31	+·13	+·17	-·06	-·03	42 17·45	10·98	+7·396	+7·370

Date 1922	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
June 1	-.02	-.02	-.03	-.02	12 44 24.92	18.45	+7.373	+7.389
2	-.05	+0.02	-.06	-.03				+7.408
3	-.02	-.08	-.02	-.06	52 35.57	29.10	+7.432	+7.435
4	-.10	-.13	-.08	-.09			+7.453	+7.436
5	-.12	-.07	-.09	-.04	58 48.45	41.98		+7.511
6	-.11	-.05	-.05	.00	13 04 51.49	45.02		+7.545
7	+0.04	+0.05	-.05	-.04	05 59.97	53.50	+7.580	+7.592
8	+0.05	+0.07	-.05	-.05	14 00.89	54.42		+7.651
9	+0.08	+0.08	-.03	-.03				+7.718
10	+0.08	+0.11	-.01	+0.03	22 11.81	05.34		+7.786
11	+0.05	+0.10	-.02	+0.01				+7.835
12	+0.09	+0.10	+0.03	+0.03	27 26.23	19.76	+7.896	+7.870
13	+0.05	+0.03	+0.01	.00	33 29.61	23.14	+7.890	+7.901
14	+0.10	+0.10	+0.01	.00	32 40.57	34.10		+7.988
15	+0.08	+0.03	.00	-.03	38 43.69	37.22		+7.972
16	+0.08	+0.12	-.01	+0.03				+8.018
17	+0.04	+0.04	-.04	-.03				+8.058
18	+0.09	+0.03	.00	-.03				+8.100
19	+0.04	+0.04	-.04	-.03				+8.137
20	.00	+0.01	-.06	-.05	14 01 08.80	02.33	+8.167	+8.166
21	+0.08	+0.04	-.03	-.06	01 18.70	12.23		+8.203
22	+0.06	+0.07	-.06	-.03	04 25.13	18.66		+8.241
23	+0.05	+0.05	-.07	-.09			+8.274	+8.281
24	-.01	-.02	-.04	-.06				+8.334
25	-.04	-.08	-.04	-.08	16 38.31	31.83		+8.398
26	-.05	-.06	-.07	-.07	20 42.11	35.63	+8.461	+8.453
27	-.08	-.06	-.08	-.05				+8.507
28	+0.02	.00	-.04	-.05				+8.559
29	.00	-.01	-.05	-.03			+8.612	+8.611
30	+0.01	-.01	-.03	-.04				+8.643
July 1	+0.02	+0.02	-.01	-.04				+8.699
2	+0.01	+0.02	-.01	.00				+8.741
3	-.03	-.01	-.02	+0.01	14 48 10.53	04.06		+8.774
4	-.02	-.03	.00	+0.01	53 13.46	06.98	+8.811	+8.788
5	-.08	-.06	-.04	-.03	55 19.51	13.03	+8.777	+8.797
6	+0.08	+0.06	-.01	-.04	15 02 19.88	13.40	+8.820	+8.828
7	+0.06	+0.05	-.05	-.06	03 27.20	20.72		+8.869
8	+0.03	+0.08	-.08	-.06			+8.921	+8.912
9	+0.04	+0.03	-.07	-.08	12 34.15	27.68		+8.943
10	-.01	-.01	-.10	-.10			+8.966	+8.969
11	-.05	-.05	-.13	-.12	20 42.19	35.71		+9.002
12	-.11	-.06	-.12	-.10				+9.043
13	-.04	+0.01	-.13	-.09			+9.072	+9.095
14	-.04	-.05	-.10	-.10			+9.156	+9.149
15	.00	-.08	-.07	-.10			+9.206	+9.201
16	-.04	-.02	-.12	-.08				+9.260
17	-.08	-.01	-.12	-.07				+9.265
18	-.07		-.11				+9.292	+9.269
19	-.07	-.03	-.10	-.06			+9.196	+9.226
20	-.06	-.08	-.07	-.10	53 21.94	15.46	+9.221	+9.234
21	-.10	-.10	-.10	-.10	59 24.76	18.29	+9.245	+9.246
22	-.04	.00	-.10	-.08				+9.270
23	.00	+0.37	-.09	-.04				+9.267
24	-.03	-.02	-.08	-.06	16 12 41.82	35.35	+9.252	+9.254
25	-.02	-.03	-.10	-.07			+9.260	+9.253
26	-.06	.00	-.10	-.08	19 54.77	48.31	+9.257	+9.255
27	.00	.00	-.08	-.06	24 59.70	53.23		+9.250
28	+0.05	+0.04	-.06	-.06			+9.250	+9.257
29	-.01	+0.02	-.09	-.05	34 10.75	04.28	+9.250	+9.255
30	-.02	-.02	-.10	-.10				+9.247
31							+9.239	+9.236

Date 1922	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Aug. 1	·00	+·03	-·10	-·08				+9·230
2	+·02	+·05	-·10	-·08				+9·223
3	+·08	+·08	-·04	-·06				+9·203
4	+·09	+·10	-·06	-·05			+9·194	+9·197
5	-·03	-·05	-·10	-·08			+9·162	+9·180
6	-·04	-·03	-·08	-·08				+9·144
7	-·04	-·02	-·08	-·05			+9·123	+9·106
8	+·01	+·02	-·07	-·05			+9·029	+9·072
9	+·04		-·04		17 18 33·28	26·81	+9·062	+9·056
10	+·05	+·06	-·03	·00	18 45·39	38·93	+9·045	+9·024
11	+·07	+·07	-·01	+·01	26 48·49	42·03	+9·002	+9·008
12	+·05	+·07	-·02	-·01	28 58·09	51·62		+9·003
13	+·05	+·09	-·02	-·01	32 06·54	00·07		+8·984
14	+·04	+·05	-·03	-·02			+8·929	+8·955
15	+·05	+·04	-·05	-·05			+8·964	+8·942
16	+·02	+·05	-·10	-·06			+8·908	+8·911
17	+·04	+·06	-·07	-·05				+8·893
18	-·01	-·03	-·07	-·10				+8·880
19	-·05	-·01	-·11	-·07				+8·860
20	-·07	-·06	-·10	-·09	58 40·55	34·09		+8·817
21	+·03	-·01	-·06	-·08				+8·780
22	-·01	+·03	-·07	-·04	18 07 57·18	50·72		+8·744
23	+·03	·00	-·05	-·07	11 06·66	00·20	+8·694	+8·700
24	+·03	+·05	-·06	-·04				+8·673
25	-·01	+·01	-·08	-·05				+8·643
26	-·03	+·03	-·08	-·09			+8·615	+8·610
27	·00	+·02	-·11	-·10	29 37·37	30·90		+8·568
28	-·01	·00	-·11	-·12			+8·532	+8·551
29	-·01	+·02	-·12	-·09	35 55·74	49·28	+8·538	+8·547
30	-·06	-·04	-·11	-·09	39 27·64	21·18	+8·541	+8·537
31	-·04	-·04	-·08	-·07			+8·534	+8·521
Sept. 1	-·07	-·01	-·09	-·03	18 46 44·75	38·29	+8·494	+8·497
2	-·09	-·10	-·08	-·05				+8·475
3	+·05	+·06	-·05	-·03				+8·462
4	+·03	+·10	-·04	-·01	57 10·19	03·73		+8·453
5	+·10	+·07	-·01	-·03				+8·423
6	+·03	+·04	-·04	-·03			+8·393	+8·385
7	+·03	·00	-·04	-·06			+8·359	+8·336
8	+·01	-·03	-·07	-·10			+8·259	+8·272
9	-·04	+·02	-·12	-·06				-2·531
10	-·01	-·01	-·09	-·09			-2·511	-2·511
11	+·04	-·10	-·06	-·06				-2·466
12	-·03	-·05	-·08	-·08			-2·442	-2·441
13	+·05	-·02	-·07	-·12	19 32 19·09	12·61		-2·426
14	-·03	-·02	-·13	-·09	37 22·59	16·11	-2·409	-2·393
15	+·02	+·04	-·07	-·07	43 25·29	18·82	-2·334	-2·344
16	·00	·00	-·09	-·06	50 27·19	20·71		-2·304
17	-·01	+·02	-·07	-·04	49 37·68	31·21		-2·267
18	+·01	-·04	-·05	-·06	52 43·97	37·50	-2·237	-2·246
19	-·02	+·08	-·02	-·02	56 49·14	42·67		-2·232
20	+·05	+·04	-·04	-·03	20 00 54·17	47·70	-2·216	-2·222
21	+·02	+·05	-·05	·00	05 58·18	51·71	-2·225	-2·220
22	+·05	+·08	-·05	-·02	16 55·76	49·29	-2·238	-2·228
23	+·03	+·04	-·04	-·04			-2·240	-2·221
24	+·06	+·07	-·02	·00	18 14·81	08·34		-2·185
25	+·10	+·11	+·01	+·04	24 18·11	11·64	-2·121	-2·149
26	+·08	+·10	-·01	+·02	33 17·87	11·40		-2·133
27	+·09	+·07	-·01	-·02	31 12·16	05·69		-2·125
28	+·03	+·04	-·05	-·05	34 19·54	13·07		-2·137
29	+·02	+·01	-·07	-·08	37 26·53	20·06	-2·137	-2·119
30	-·01	+·01	-·10	-·08	41 32·34	25·88	-2·090	-2·078

Date 1922	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Oct. 1.....	-01	-04	-08	-07	20 50 32.64	26.17		-2.013
2.....	-01	-03	-06	-07	51 41.53	35.06	-1.956	-1.940
3.....	00	-01	-05	-05	52 50.50	44.04	-1.839	-1.847
4.....	+05	+05	-04	-03	59 52.89	46.42		-1.770
5.....	+06	+06	-04	-03	21 02 59.74	53.27		-1.683
6.....	+05	+02	-05	-02	06 06.44	59.98		-1.592
7.....	+02	-02	-02	-03	10 12.34	05.87		-1.499
8.....	-01	-01	-03	-03	17 15.05	08.58		-1.411
9.....	-06	-04	-03	-03	16 26.48	20.01		-1.328
10.....	-05	-01	-03	+03	20 32.19	25.73		-1.231
11.....	-02	+12	+03	+03	25 36.78	30.32	-1.135	-1.132
12.....	+10	+09	+01	+01	32 39.26	32.79	-1.015	-1.037
13.....	+10	+11	+02	+02	33 48.24	41.77	-0.976	-0.958
14.....	+12	+12	+02	+02				-0.884
15.....	+10	+12	00	+01	39 02.63	56.16		-0.795
16.....	+09	+05	-02	-03	49 01.47	55.00		-0.712
17.....	+05	+05	-02	-02				-0.597
18.....	+03	+05	-02	00	51 18.98	12.51	-0.511	-0.511
19.....	+04	+11	-01	00	55 24.52	18.04	-0.433	-0.428
20.....	+10		-03		58 31.19	24.72	-0.344	-0.363
21.....	+10	+15	-06	-04	22 03 35.68	29.21	-0.311	-0.303
22.....	+17	+18	-05	-06	09 39.06	32.59		+6.823
23.....	+03	+03	-06	-06	10 48.06	41.60		+7.019
24.....	+01	+03	-11	-09	13 55.19	48.72		+7.218
25.....	+03		-09		20 34.78	27.66		+7.420
26.....	+01	+06	-09	-07	22 43.19	36.09		+7.651
27.....	+03	+05	-05	-03	26 39.36	32.26	+7.839	+7.879
28.....	+12	+11	+03	+01	29 47.64	40.56	+8.183	+8.137
29.....	+10	+10	+01	+01	35 45.74	38.66		+8.363
30.....	+08	+14	00	+03	39 45.91	38.83		+8.570
31.....	+09	+12	00	-01	41 48.66	41.57	+8.768	+8.762
Nov. 1.....	+08	+09	-03	-03	22 45 58.71	51.66	+8.944	+ 8.968
2.....	+07		-06		50 03.53	56.47		+ 9.176
3.....	+02	+04	-05	-04	23 03 55.95	48.89		+ 9.386
4.....	+03	+02	-06	-04	12 05.40	58.35		+ 9.615
5.....	+02	+02	-06	-05	01 33.98	26.92		+ 9.847
6.....	+06	+06	-02	-01	11 42.27	35.29		+10.087
7.....	+07	+05	-05	-03	10 21.59	14.62		+10.317
8.....	+07	+07	-04	-02	14 53.58	46.60		+10.550
9.....	00	+04	-05	-04	20 24.44	17.46	+10.763	+10.768
10.....	+02	+02	-05	-04	22 00.12	53.15		+10.992
11.....	+04	+05	-04	-04	35 21.30	14.32		+11.210
12.....	+02	+01	-06	-06	29 06.44	59.46		+11.442
13.....	+02	+02	-06	-06	32 39.70	32.72	+11.679	+11.672
14.....	-01	+02	-09	-06	37 24.23	17.44		+11.883
15.....	+06	+05	-07	-08	40 49.37	42.59		+12.101
16.....	+04	+06	-10	-05	45 19.91	13.13	+12.301	+12.311
17.....	-04	-02	-10	-08	48 50.98	44.15	+12.509	+12.501
18.....	+03	+07	-09	-06	54 07.97	01.15		+12.690
19.....	+06	+05	-09	-10	0 01 22.51	15.69		+12.900
20.....	+04	+05	-10	-09	01 45.25	38.42		+13.096
21.....	-02	+01	-11	-10	03 06.73	59.90		+13.296
22.....	-05	-05	-14	-12	14 16.58	09.75		+13.502
23.....	-07	-05	-14	-13	12 41.64	34.82		+13.694
24.....	-03	-02	-11	-10	19 55.82	49.00		+13.890
25.....	-03	-06	-13	-14	19 19.35	12.52		+14.083
26.....	-04	00	-12	-10	24 36.00	29.17		+14.284
27.....	00	00	-08	-09	27 54.96	48.13		+14.478
28.....	-03	+02	-11	-10	33 11.62	04.80		+14.653
29.....	-03	-03	-11	-10	34 32.92	26.09		+14.842
30.....		+01		-10	40 48.39	41.56		+15.021

Date 1922	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Dec. 1.....	-03	-03	-12	-11	0 50 59.10	52.27	.....	+15.213
2.....	-04	.00	-10	-10	48 25.21	18.38	.....	+15.413
3.....	+01	.00	-08	-08	52 43.40	36.58	+15.608	+15.624
4.....	.00	+02	-07	-07	56 02.91	56.08	+15.829	+15.852
5.....	+01	+04	-08	-06	1 00 21.32	14.50	.....	+16.093
6.....	+06	+10	-03	-01	03 40.78	33.96	+16.346	+16.326
7.....	+04	+09	-02	+03	06 01.39	54.67	.....	+16.572
8.....	+08	+08	+03	+02	12 17.07	10.25	.....	+16.805
9.....	+05	+05	+01	-01	21 29.31	22.48	.....	+17.004
10.....	+01	+01	-03	-03	18 55.52	48.70	.....	+17.184
11.....	+02	+05	-03	-02	24 12.48	05.66	.....	+17.383
12.....	.....	+02	.....	-04	26 32.89	26.06	.....	+17.587
13.....	-02	-03	-07	-09	30 51.18	44.36	.....	+17.794
14.....	-02	-02	-10	-11	36 08.31	01.48	.....	+18.023
15.....	-05	-04	-11	-11	40 26.23	19.40	+18.245	+18.264
16.....	-03	-01	-09	-07	45 43.05	36.22	+18.531	+18.507
17.....	-05	-04	-09	-06	50 00.79	53.96	.....	+18.754
18.....	+03	+05	-05	-02	52 20.76	13.94	+19.010	+18.999
19.....	+02	+03	-02	-01	55 39.58	32.75	.....	+19.232
20.....	+07	+09	.00	+01	59 57.14	50.31	.....	+19.479
21.....	+10	+12	-01	.00	2 04 14.94	08.11	.....	+19.726
22.....	+12	+07	+02	+03	08 32.66	25.83	.....	+19.982
23.....	+09	+06	+01	+03	09 53.93	47.10	.....	+20.249
24.....	+10	+10	+02	+01	14 11.85	05.02	.....	+20.513
25.....	+10	.....	+01	.....	18 29.85	23.02	.....	+20.813
26.....	+05	+05	+01	+04	22 47.68	40.85	.....	+21.069
27.....	+06	+07	+01	+03	28 04.23	57.40	+21.300	+21.319
28.....	+04	+05	.00	+01	43 08.87	02.04	.....	+21.620
29.....	+01	.00	.00	-02	32 43.73	36.90	+21.924	+21.921
30.....	+09	+11	.00	-02	37 00.81	53.98	.....	+22.193
31.....	+06	+06	-06	-05	44 14.32	07.49	.....	+22.467

Date 1923	10 p.m. Ott.—Wash.		ΔT at 10 p.m.		Date 1923	10 p.m. Ott.—Wash.		ΔT at 10 p.m.	
	Ob- served	Cor- rected	Ob- served	Adopt- ed		Ob- served	Cor- rected	Ob- served	Adopt- ed
	s.	s.	s.	s.		s.	s.	s.	s.
Jan. 1.....	+04	-06	.....	-0.575	Feb. 1.....	-04	-11	.....	+0.315
2.....	+04	-04	-0.514	-0.520	2.....	+05	-10	.....	+0.347
3.....	+07	-04	.....	-0.468	3.....	-03	-10	.....	+0.380
4.....	+13	+04	.....	-0.420	4.....	-03	-06	.....	+0.412
5.....	+20	+08	.....	-0.373	5.....	-03	-04	+0.445	+0.444
6.....	+24	+15	.....	-0.326	6.....	+02	-03	.....	+0.475
7.....	+21	+15	.....	-0.279	7.....	+08	+02	+0.506	+0.506
8.....	+27	+21	.....	-0.232	8.....	+06	+04	.....	+0.544
9.....	+32	+23	.....	-0.185	9.....	+15	+09	+0.568	+0.585
10.....	+35	+24	.....	-0.138	10.....	+20	+10	+0.661	+0.627
11.....	+34	+23	.....	-0.092	11.....	+19	+09	.....	+0.653
12.....	+30	+21	.....	-0.045	12.....	+16	+08	.....	+0.665
13.....	+28	+20	.....	+0.002	13.....	+16	+08	.....	+0.666
14.....	+30	+18	.....	+0.049	14.....	+22	+07	.....	+0.684
15.....	.....	.....	.....	+0.096	15.....	+08	+06	+0.670	+0.714
16.....	+20	+09	.....	+0.143	16.....	+07	+04	+0.812	+0.755
17.....	+15	+09	.....	+0.190	17.....	+05	+08	.....	+0.773
18.....	+14	+07	.....	+0.238	18.....	+03	+08	.....	+0.775
19.....	+17	+10	+0.284	+0.288	19.....	+07	+08	+0.750	+0.766
20.....	+21	+09	.....	+0.341	20.....	+13	+08	.....	+0.770
21.....	+21	+11	.....	+0.378	21.....	+18	+08	.....	+0.793
22.....	+17	+06	+0.453	+0.381	22.....	+17	+07	+0.797	+0.827
23.....	+19	+02	+0.342	+0.333	23.....	+16	+07	+0.914	+0.866
24.....	+13	+06	.....	+0.259	24.....	+11	+06	.....	+0.882
25.....	.....	.....	+0.161	+0.181	25.....	+11	+06	.....	+0.879
26.....	+14	+08	.....	+0.133	26.....	+09	+03	.....	+0.862
27.....	+11	+05	+0.069	+0.122	27.....	+05	-01	.....	+0.844
28.....	+15	+11	.....	+0.152	28.....	-01	-05	.....	+0.827
29.....	+03	-04	+0.217	+0.199					
30.....	-03	-06	.....	+0.245					
31.....	.....	.....	.....	+0.282					

Date 1923	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Mar. 1.....		.00		-.03				+0.809
2.....		+ .15		+ .06				+0.792
3.....								+0.774
4.....		+ .15		+ .07				+0.751
5.....		+ .22		+ .12			+0.739	+0.719
6.....								+0.671
7.....		+ .22		+ .10				+0.631
8.....		+ .18		+ .11			+0.551	+0.608
9.....		+ .25		+ .17			+0.641	+0.615
10.....		+ .28		+ .19				+0.624
11.....		+ .24		+ .14				+0.629
12.....		+ .23		+ .12				+0.623
13.....		+ .02		+ .04				+0.626
14.....		-.07		-.01			+0.611	+0.648
15.....	+ .01	+ .02	-.02	-.02	7 37 00.81	53.97		+0.698
16.....	+ .08	+ .10	-.00	+ .02	42 13.85	07.01		+0.766
17.....	+ .10	+ .10	+ .04	+ .01	45 29.62	22.79	+0.845	+0.844
18.....	+ .14	+ .15	+ .03	+ .05	46 47.69	40.85		+0.915
19.....	+ .09	+ .12	+ .01	+ .05	52 00.86	54.02	+0.990	+0.966
20.....	+ .11	+ .10	+0.3	+ .03	56 15.08	08.25		+0.999
21.....	+ .06	+ .08	-.01	+ .02	8 00 29.24	22.40		+1.028
22.....	+ .13	+ .16	+ .06	+ .10	06 41.10	34.27		+1.073
23.....	+ .12	+ .08	+ .08	+ .04	08 57.39	50.55		+1.101
24.....	+ .07	+ .10	+ .02	+ .01	12 12.60	05.76	+1.166	+1.133
25.....	+ .11	+ .15	+ .01	+ .04	15 28.25	21.42		+1.138
26.....	+ .13	+ .10	+ .01	.00	18 44.03	37.19	+1.109	+1.144
27.....	+ .09	+ .09	-.04	-.02	23 57.46	50.62		+1.176
28.....	+ .06	+ .06	-.06	-.03	27 13.13	06.30		+1.242
29.....	+ .05	+ .04	-.04	-.03	31 27.23	20.40		+1.304
30.....	+ .04	+ .06	-.02	.00	35 41.52	34.68		+1.381
31.....	+ .01	+ .07	-.02	+ .02			+1.460	+1.445
April 1.....		+ .07		+ .03	8 40 14.97	08.13		+1.501
2.....	+ .07	+ .07	+ .02	+ .02	48 24.48	17.64		+1.549
3.....	+ .08	+ .10	+ .01	+ .03	53 37.49	30.65		+1.611
4.....		+ .06		+ .02	56 53.05	46.22		+1.686
5.....	-.01	+ .05	-.01	+ .03	58 10.55	03.71		+1.728
6.....	+ .07	+ .05	.00	+ .01	9 03 23.28	16.44	+1.788	+1.778
7.....	+ .04	+ .03	-.02	.00	13 30.81	23.98		+1.818
8.....	+ .05	.00	-.01	-.04	10 54.18	47.35		+1.837
9.....	+ .08	+ .05	-.02	-.01	15 09.40	02.56	+1.862	+1.860
10.....	+ .08	+ .07	-.03	-.01	20 23.65	16.81		+1.881
11.....	+ .05	+ .05	-.04	-.02	25 36.99	30.15		+1.901
12.....	+ .06	+ .09	-.04	-.01	26 55.11	48.27		+1.921
13.....	+ .05	+ .05	-.02	-.03	31 10.21	03.37	+1.939	+1.943
14.....	+ .05	+ .05	-.02	-.01	36 23.98	17.15	+1.967	+1.968
15.....		.00		-.05	38 41.59	34.75		+1.996
16.....	+ .07	.00	.00	-.04	44 53.44	46.60		+2.023
17.....	+ .10	+ .10	+ .04	+ .04	49 07.11	00.27	+2.053	+2.046
18.....	+ .08	+ .07	+ .02	+ .02	51 23.53	16.69		+2.050
19.....	+ .08	+ .07	-.01	-.01	56 35.59	28.74	+2.079	+2.044
20.....	+ .13	+ .16	+ .03	+ .05	59 50.10	43.26	+1.961	+2.029
21.....	+ .15	+ .10	+ .03	+ .01	10 05 02.38	55.54	+2.049	+2.035
22.....	+ .05	+ .06	-.02	-.01	08 17.48	10.64		+2.032
23.....	+ .03	+ .05	-.04	-.03	18 24.47	17.63	+2.057	+2.019
24.....	+ .11	+ .13	+ .02	+ .07	15 46.72	39.89	+1.955	+1.988
25.....	+ .23	+ .14	+ .04	+ .06	19 02.83	55.99	+1.933	+1.958
26.....	+ .11	+ .13	+ .03	+ .04	26 14.28	07.44	+1.979	+1.937
27.....	+ .09		+ .02		31 27.52	20.68		+1.928
28.....	+ .01	+ .07	-.02	.00	32 45.00	38.17		+1.888
29.....	+ .02	+ .08	-.02	+ .05	33 03.62	56.78		+1.794
30.....	+ .11	+ .17	+ .02	+ .08	36 18.51	11.67		+1.701

Date 1923	Ottawa-Washington				Bordeaux (G. Sid. T.)			ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted	
	Noon	10 p.m.	Noon	10 p.m.					
	s.	s.	s.	s.	h. m. s.	s.	s.	s.	
May 1	+13	+12	+05	+06	10 42 30.15	23.31	.....	+1.644
2	+10	+11	+02	+02	43 47.96	41.13	+1.580	+1.590	
3	+08	+12	.00	+02	49 59.92	53.09	+1.544	+1.528	
4	+09	+08	.00	-01	56 11.47	04.63	+1.457	+1.462	
5	+05	+04	-01	+01	58 27.33	20.49	+1.390	+1.393	
6	.....	+02	.....	+01	11 02 40.99	34.14	+1.343	+1.307
7	+01	-01	.00	.00	07 52.93	46.09	+1.207	+1.201	
8	+04	+07	-03	-01	10 08.31	01.47	.....	+1.031
9	+06	+07	-03	-02	14 20.98	14.14	.....	+0.869
10	+08	+10	-01	+01	20 30.76	23.91	+0.691	+0.700	
11	+12	+14	+02	+04	24 42.08	35.24	.....	+0.538
12	+14	+15	+03	+05	23 00.03	53.18	+0.411	+0.399	
13	+11	+13	+01	+03	28 09.96	03.12	.....	+0.246
14	+05	+06	.00	+02	32 21.14	14.30	+0.089	+0.102	
15	+11	+11	+03	+02	36 32.61	25.76	.....	-0.038
16	+10	+10	+03	+03	38 46.40	39.55	.....	-0.162
17	+06	+07	+01	+03	44 55.30	48.45	.....	-0.278
18	+07	+13	+04	+05	47 08.68	01.83	-0.388	-0.372	
19	+12	+09	+07	+05	50 21.19	14.34	-0.454	-0.456	
20	+09	+01	+02	+03	54 32.37	25.53	.....	-0.537
21	+14	+13	+07	+08	12 00 41.12	34.27	-0.618	-0.623	
22	+13	+16	+03	+03	00 57.04	50.19	-0.731	-0.709	
23	+13	+14	+05	+06	06 07.33	00.48	-0.783	-0.803	
24	+08	.....	+03	.....	12 16.31	09.47	.....	-0.903
25	+08	+02	+02	.00	16 27.18	20.33	-1.012	-1.010	
26	+03	+04	-01	.00	15 44.20	37.36	.....	-1.119
27	+07	+09	.00	+02	22 51.89	45.05	.....	-1.226
28	+06	+05	+01	+03	25 06.03	59.18	-1.349	-1.361	
29	+10	+09	.00	.00	30 24.66	17.81	.....	-1.504
30	+09	+10	.00	.00	32 40.02	33.17	-1.682	-1.653	
31	+08	+08	-01	.00	36 52.82	45.98	-1.748	-1.765	
June 1	+06	+08	-04	-01	12 41 06.02	59.18	.....	-1.872
2	+07	+10	+01	+04	47 17.76	10.92	.....	-2.011
3	+14	+14	+08	+08	50 33.16	26.32	.....	-2.154
4	+12	+13	+07	+08	53 48.28	41.44	.....	-2.259
5	+12	+11	+05	+04	.....	.....	.....	-2.362
6	+08	+06	+01	.00	13 03 15.95	09.12	-2.471	-2.466	
7	+03	+05	+01	+02	06 30.99	24.15	.....	-2.570
8	+09	+12	+01	+02	09 46.52	39.68	.....	-2.684
9	+12	+08	+02	+01	15 00.17	53.34	-2.799	-2.798	
10	.....	+07	.....	-01	.....	.....	.....	-2.909
11	+14	+09	+03	-02	22 30.90	24.06	.....	-3.022
12	+05	+06	-04	-05	24 46.94	40.10	.....	-3.133
13	+05	+06	-04	-05	28 01.79	54.95	.....	-3.254
14	+04	+01	-04	-06	32 14.25	07.41	.....	-3.386
15	.00	-03	-04	-05	36 26.87	20.03	.....	-3.520
16	-01	-06	-05	-03	.....	.....	.....	-3.657
17	+05	+03	-03	-04	43 53.78	46.93	.....	-3.789
18	+01	+04	-07	-02	53 00.53	53.69	-3.902	-3.912	
19	+08	+09	-01	+01	50 22.08	15.24	.....	-4.059
20	+15	+14	+05	+03	56 33.52	26.68	-4.222	-4.223	
21	+09	+11	+01	.00	14 01 44.15	37.30	.....	-4.351
22	+07	+09	-02	.00	05 56.03	49.19	.....	-4.496
23	+08	+07	-01	-01	.....	.....	.....	-4.630
24	-01	.00	-08	-07	13 23.80	16.96	.....	-4.763
25	-05	+02	-10	-05	17 37.40	30.56	.....	-4.892
26	-06	-08	-08	-07	.....	.....	.....	-5.020
27	-04	-05	-05	-04	24 02.82	55.97	-5.172	-5.148	
28	+01	+02	-06	-04	28 13.84	07.00	.....	-5.266
29	+03	+05	-03	-01	56 55.48	48.64	-5.358	-5.390	
30	+09	+10	.00	+01	41 30.52	23.68	-5.538	-5.532	

Date 1923	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.		
	Observed		Corrected		1st beat		300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.					
	s.	s.	s.	s.	h.	m.	s.	s.	s.
July 1.....	+09	+10	.00	-.01	14	40	49.19	42.34	- 5.670
2.....	+11	+11	+01	+02	47	57	58	50.73	- 5.824
3.....	+10	+10	+01	+03					- 5.963
4.....	+10	+10	-.01	.00	52	24	89	18.04	- 6.110
5.....	+09	+08	-.01	-.01	54	39	07	32.23	- 6.276
6.....	+10	+10	-.01	-.02					- 6.442
7.....	+07	+09	-.01	+01	15	04	02.50	55.66	- 6.595
8.....	+10	+09	+01	+02	09	13	49	06.64	- 6.752
9.....	+07	+09	+03	+02	11	27	67	20.83	- 6.891
10.....	+06	+05	.00	-.01	27	25	81	18.96	- 7.018
11.....	+01	+01	-.01	-.02	19	51	83	44.99	- 7.141
12.....	+01	+03	-.01	+01	24	04	10	57.26	- 7.326
13.....	+01	-.01	-.01	-.01	29	15	11	08.26	- 7.513
14.....	+06	+07	-.03	-.01					- 7.710
15.....	+08	+10	-.01	.00	33	44	01	37.16	- 7.929
16.....	+10	+07	+02	+01	40	51	42	44.57	- 8.133
17.....	+07	+03	+01	.00	44	03	05	56.20	- 8.311
18.....	+06	+09	-.01	.00	46	15	57	08.71	- 8.509
19.....	+07	+08	+03	+02	51	24	55	17.70	- 8.701
20.....	+12	+11	+03	+03	54	35	77	28.92	- 8.808
21.....	+12	+09	+02	.00	57	47	39	40.53	- 8.939
22.....		+10		+01					- 9.090
23.....	+06	+04	.00	-.03					- 9.247
24.....	+08	+06	+02	.00	16	10	18.64	11.79	- 9.398
25.....	+03	+02	-.01	-.01					- 9.559
26.....	+10	+10	-.02	-.01	20	37	01	30.15	- 9.747
27.....	.00	+04	-.04	-.02	22	48	92	42.07	- 9.939
28.....	+04	+02	.00	-.01	26	58	90	52.04	-10.128
29.....	-.03	-.06	-.05	-.04	35	04	04	57.18	-10.319
30.....	+07	+06	-.01	-.02					-10.481
31.....	+05	+07	-.01	.00	39	28	46	21.61	-10.655
Aug. 1.....	+07	+05	-.01	-.03	16	43	38.10	31.21	-10.837
2.....	+04	+07	-.03	-.01	45	50	35	43.51	-11.015
3.....	+09	+09	-.02	-.01					-11.212
4.....	+04	+06	-.05	-.05					-11.433
5.....	+06	+06	-.02	.00					-11.674
6.....	+09	+10	+02	+04					-11.901
7.....	+13	+15	+05	+06	17	04	50.31	43.52	-12.094
8.....	+11	+11	+01	.00					-12.268
9.....	+05	+05	-.03	-.02	14	42	06	35.27	-12.470
10.....	+07	+03	-.02	-.01	29	26	26	19.48	-12.665
11.....	+06	+01	-.01	+01	26	31	37	24.59	-12.851
12.....	+06	+05	+02	+03					-13.029
13.....	+04	+04	+04	+04	36	13	19	06.44	-13.213
14.....	+05	+11	.00	-.01	36	44	07	37.28	-13.424
15.....	+08	+09	-.04	-.04					-13.637
16.....	+08	+03	-.04	-.08	41	16	63	09.85	-13.836
17.....	.00	+05	-.08	-.06					-14.036
18.....	+06	+08	-.05	-.03					-14.228
19.....	+20	+19	-.03	-.02					-14.436
20.....	+06	+09	-.03	.00	57	14	54	07.77	-14.639
21.....	+10	+12	-.01	+02					-14.843
22.....	+06	+08	-.04	-.02	18	05	38.17	31.38	-15.014
23.....	+08	+09	-.03	-.03	11	08	65	01.87	-15.286
24.....	+07	+05	-.02	-.07	12	39	10	32.30	-15.504
25.....	+01	+07	-.07	-.05	16	22	07	15.27	-15.713
26.....	-.01	+09	-.09	-.05	22	03	77	57.00	-15.907
27.....	+04	+05	-.04	-.04	24	27	36	20.58	-16.109
28.....	+01	+01	-.06	-.06	28	59	53	52.75	-16.344
29.....	-.01	+02	-.06	-.03	32	13	11	06.32	-16.507
30.....	+03	+01	-.03	-.04	37	10	78	04.01	-16.777
31.....	+10	+11	-.04	-.01					-17.036

Date 1923	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Sept. 1.....	+03	+03	-04	-04	18 48 00.56	53.77	-17.274	-17.276
2.....	+01	+03	-04	-01	50 34.47	27.68		-17.498
3.....	+04	+07	+01	+01	53 43.34	36.57		-17.709
4.....	+06	+03	+01	-03	55 24.00	17.21		-17.944
5.....	+08	+05	+02	+01			-18.174	-18.183
6.....		+05		.00	19 04 19.09	12.30	-18.431	-18.413
7.....	+03	+02	-01	-02	09 55.47	48.70	-18.637	-18.637
8.....	+03	+03	-03	-02	15 52.34	45.57		-18.844
9.....	+06	+07	-02	+01	13 28.04	21.27		-19.032
10.....	+07	+09	-01	.00	18 02.04	55.26	-19.239	-19.238
11.....	+05	+04	.00	-01	25 10.27	03.49		-19.448
12.....	+04	+01	-05	-05	28 04.59	57.82	-19.586	-19.607
13.....	+05	+07	-03	-02	33 17.17	10.38	-19.866	-19.851
14.....	+03	+05	-05	-03	38 22.95	16.20	-20.114	-20.105
15.....		+12		+02			-20.324	-20.331
16.....	+09	+12	-01	.00				-20.555
17.....	+10	+13	.00	+03	49 11.57	04.80	-20.794	-20.769
18.....	+11	+12	+02	+02	20 04 23.03	16.24		-20.991
19.....	+10	+10	+01	.00	19 58 26.81	20.04	-21.169	-21.219
20.....	+02	+07	-01	+02	59 24.36	17.59		-21.446
21.....	+07	+09	+02	+04	20 04 17.36	10.58	-21.747	-21.705
22.....	+02	+04	.00	+01	08 46.05	39.27	-21.900	-21.935
23.....	+01	+03	.00	+01	18 26.51	19.73	-22.197	-22.185
24.....	+12	+11	+02	+01	15 39.81	33.04	-22.436	-22.428
25.....	+10	+08	.00	-04			-22.644	-22.630
26.....	+06	+06	-03	-02	24 26.36	19.60		-22.824
27.....	+03	+07	-04	-03	30 11.59	04.82		-23.006
28.....	+04	+05	-04	-04	38 46.41	39.63		-23.195
29.....	+05	+07	-03	-01	57 17.49	10.71	-23.384	-24.384
30.....	+03	+06	-06	-05	21 01 58.77	52.00		-23.575
Oct. 1.....	+04	+05	-06	-06	20 56 46.71	39.93	-23.773	-23.769
2.....	+02	+05	-04	-02	44 37.85	31.04	-23.954	-23.957
3.....	+06	+07	-01	-01	56 44.17	37.38		- 0.409
4.....	+13	+12	-02	-02	21 05 20.60	13.82		- 0.252
5.....	+10	+13	-02	-01	20 58 11.90	05.12	- 0.097	- 0.095
6.....	-05	+04	-03	-06	21 00 42.82	36.07		+ 0.061
7.....	+05	+09	-02	.00	20 26.58	19.80	+ 0.222	+ 0.218
8.....	+03	+06	-02	-01	29 43.62	36.84	+ 0.368	+ 0.377
9.....	+04	+05	-03	-02	15 10.90	04.12	+ 0.533	+ 0.545
10.....	+08	+07	+02	+01				+ 0.718
11.....	+06	+09	.00	+02	24 29.05	22.28	+ 0.906	+ 0.891
12.....	+11	+13	-01	.00	31 26.75	19.96	+ 1.059	+ 1.055
13.....	+13	+11	-01	-01	36 01.25	54.48		+ 1.212
14.....	+05	+07	-02	-01	38 41.04	34.26	+ 1.364	+ 1.374
15.....	+05	+07	-02	-01	41 36.76	29.99	+ 1.520	+ 1.548
16.....	+05	+09	-01	+03	44 11.96	05.17	+ 1.750	+ 1.736
17.....	+05	+09	.00	+03	48 45.01	38.23	+ 1.931	+ 1.922
18.....	+13	+14	+04	+05	22 04 05.47	58.70		+ 2.117
19.....	+22	+14	+15	+08	21 57 50.39	43.61		+ 2.280
20.....	+10	+15	+04	+09	22 01 24.72	17.94	+ 2.470	+ 2.446
21.....	+16	+09	+08	+04	03 01.13	54.35	+ 2.573	+ 2.602
22.....	+18	+17	+06	+06	06 35.18	28.39	+ 2.774	+ 2.768
23.....	+17	+11	+04	.00	12 06.75	59.96		+ 2.940
24.....	+18	+14	+04	.00	16 39.54	32.76		+ 3.108
25.....	+10	+06	+02	-02	20 13.69	06.93		+ 3.275
26.....	+08	+10	+02	+02	22 48.96	42.18	+ 3.439	+ 3.442
27.....	+15	+17	+04	+05	28 20.57	13.80	+ 3.620	+ 3.620
28.....	+15	+15	+03	+04	30 55.63	48.84		+ 3.796
29.....	+12	+15	+02	+02	34 29.65	22.87	+ 3.976	+ 3.980
30.....	+15	+17	+02	+03	47 52.07	45.31		+ 4.162
31.....	+19	+17	+02	.00	44 42.88	36.11		+ 4.351

Date 1923	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.		
	Observed		Corrected		1st beat		300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.	h.	m. s.			
Nov. 1	+16	+19	.00	+02	22 45 20.82	14.05		+4.549	+4.543
2	+14	+11		+04	50 52.49	45.72		+4.732	+4.730
3	+14	+08			56 24.85	18.06		+4.914	+4.911
4	+08	+10	.00	+03	23 01 56.04	49.26			+5.082
5	+08	+09	.00	+01	06 27.79	21.01			+5.252
6	+07	+08	.00	.00	11 00.07	53.30			+5.431
7	+09	+04	+01	-05	24 22.00	15.23			+5.610
8	+09	+05	.00	-04	37 51.13	44.35		+5.806	+5.815
9	+10	+11	-01	-01	18 24.20	17.45			+6.032
10	+09	+13	-01	+02					+6.258
11	+13	+15	.00	.00	25 49.25	42.50			+6.487
12	+16	+15	-01	-02	31 29.25	22.50			+6.709
13	+13	+19	-04	-01	40 05.67	58.92		+6.957	+6.937
14	+12	+09	+02	-01	47 42.79	36.04			+7.147
15	+05	.00	-02	-04	41 36.12	29.37			+7.360
16	-01	.00	-04	-04	51 10.98	04.23			+7.565
17	-04	-07	-05	-06	51 50.04	43.29			+7.769
18	-02	+02	-06	-04	57 40.76	34.00			+7.983
19	+01	-02	-04	-06	58 22.01	15.25			+8.210
20	+05	+01	-06	-05	0 02 59.19	52.43			+8.436
21	+04	+02	-03	-04	11 27.48	20.72			+8.660
22	+05	+02	-03	-05	14 50.99	44.21		+8.894	+8.890
23	+08	+13	-02	-02	16 33.04	26.27			+9.123
24	+14	+14	-01		16 17.18	10.42			+9.358
25	+10	+13	+01	+02	25 55.01	48.24			+9.589
26	+11	+10	.00	.00	38 22.72	15.99			+9.800
27	+10	+12	.00	+02	29 11.63	04.84			+10.020
28	+12	+08	.00	-02	36 32.42	25.67			+10.224
29	+05	+08	-01	.00	39 18.04	11.30			+10.441
30	+06	+04	.00	.00	43 58.93	52.18			+10.661
Dec. 1		+07		+01	0 47 23.73	16.97			+10.879
2		+09		+03	1 00 55.32	48.56			+11.106
3		+07		+02	17 21.44	14.69		+11.333	+11.333
4		+12		+04	0 57 30.11	23.33			+11.565
5	+14	+09	+05	+05	1 04 07.49	00.73			+11.797
6	+11	+12	+03	+04	14 40.47	33.71			+12.020
7		+10		+02	20 19.18	12.43			+12.245
8		+08		+02	12 14.05	07.29			+12.455
9	+14	+14	+01	+02	14 56.26	49.51		+12.679	+12.679
10		+14		+01	20 35.33	28.57			+12.907
11	+17	+16	+01	.00	27 13.05	06.29		+13.124	+13.144
12	+08	+12	-02	.00	26 00.20	53.44			+13.394
13	+09	+08	.00	-01	36 33.39	26.63			+13.636
14	+09	+07	.00	-01	35 20.42	13.66		+13.894	+13.889
15	+09	+12	-01	+02	40 00.64	53.89			+14.138
16	+12	+12	.00	.00	42 42.77	36.02			+14.378
17	+06	-02	.00	-01	2 23 40.48	33.73		+14.618	+14.617
18	+07	+05	+02	-01	1 54 59.70	52.93		+14.841	+14.863
19	+07	+08	-01	-01	55 44.16	37.41			+15.114
20	+10	+12	+01	+03	2 02 22.68	15.92			+15.365
21	+14	+13	+04	+04	03 07.20	00.45			+15.626
22	+22	+14	+10	+05	05 49.28	42.52			+15.890
23	+21	+19	+09	+09	10 30.65	23.90			+16.151
24	+15	+18	+07	+05	14 11.95	05.19			+16.404
25	+13	+13	+05	+05	18 53.15	46.39			+16.654
26	+12	+14	+06	+08	22 33.79	27.03			+16.897
27	+11	+15	+07	+09	26 15.13	08.37			+17.137
28	+13	+13	+05	+05	29 56.41	49.66			+17.373
29	+15	+15	+09	+09	39 30.44	23.69			+17.608
30	+15	+14	+06	+06					+17.842
31	+10	+10	+01	+01					+18.073

Date 1924	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Jan. 1	+08	+03	.....	-08	2 45 40.78	34.03	.....	+18.229
2	+04	.00	-10	-09	3 01 09.27	02.53	.....	+18.477
3	+01	-01	-08	-09	2 57 00.72	53.98	+18.720	+18.725
4	+05	+04	-06	-06	57 47.10	40.35	.....	+18.988
5	+06	+05	-05	-05	3 01 28.78	22.03	.....	+19.259
6	+04	+06	-06	-04	06 10.33	03.59	.....	+19.528
7	+06	+08	-04	-02	07 55.35	48.60	+19.806	+19.794
8	+08	+07	-03	.00	.....	.....	.....	+20.052
9	+06	+04	+01	.00	19 14.78	08.03	.....	+20.298
10	+06	+08	.00	+01	20 59.20	52.45	.....	+20.545
11	+08	+10	+01	+02	25 40.56	33.82	.....	+20.802
12	+08	+10	+01	+03	31 20.98	14.22	.....	+21.057
13	+08	+09	+01	+01	33 05.61	58.86	.....	+21.312
14	+04	+07	-01	+01	37 46.45	39.70	.....	+21.568
15	+08	+04	+01	.00	43 26.78	20.03	.....	+21.821
16	+08	+07	.00	-01	45 11.94	05.19	.....	+22.072
17	+08	+06	-01	-02	49 53.73	46.98	.....	+22.331
18	+09	+07	.00	-01	53 36.22	29.47	.....	+22.597
19	+07	+05	-02	-03	58 17.31	10.56	.....	+22.854
20	+04	+05	-05	-04	4 02 58.80	52.06	.....	+23.112
21	+09	+06	-04	-06	04 43.99	37.25	.....	+23.378
22	.00	-01	-06	-06	09 24.37	17.62	.....	+23.644
23	+01	+01	-04	-04	15 03.23	56.48	+23.907	+23.917
24	+04	+06	-04	-03	22 37.29	30.55	.....	+24.153
25	+07	+02	-03	-05	20 28.13	21.39	.....	+24.404
26	+01	+02	-06	-07	22 14.14	07.40	.....	+24.658
27	-01	-05	-08	-13	26 56.71	49.95	.....	+24.918
28	-05	-06	-10	-09	28 41.24	34.49	.....	+25.179
29	-02	.....	-09	.....	35 19.58	12.83	.....	+25.446
30	+05	+04	-02	-01	38 03.04	56.29	.....	+25.725
31	+07	+06	-01	-01	43 43.09	36.33	+26.004	+26.008
Feb. 1	+06	+08	-02	-01	4 48 24.12	17.38	.....	+26.299
2	+10	+07	-01	-03	54 04.19	57.44	.....	+26.585
3	+09	+07	-03	-05	53 51.04	44.30	.....	+26.872
4	+04	+05	-05	-04	59 30.91	24.17	.....	+27.164
5	+02	+04	-04	-03	5 02 13.92	07.17	.....	+27.441
6	+02	+04	-05	-04	08 52.41	45.66	.....	+27.723
7	+05	+05	-03	-03	08 39.03	32.28	+28.011	+28.013
8	+03	+04	-04	-04	14 18.54	11.79	+28.311	+28.294
9	+04	+07	-05	-04	20 56.65	49.90	+28.573	+28.581
10	+05	+07	-04	-03	22 39.77	33.00	.....	+28.859
11	+06	+09	-05	-01	27 19.04	12.29	+29.174	+29.162
12	+09	+08	-01	-02	29 02.50	55.75	+29.445	+29.457
13	+05	+08	-03	-01	37 37.62	30.87	+29.756	+29.756
14	+04	+05	-02	-01	47 12.14	05.39	.....	+30.055
15	+06	.....	+01	.....	53 50.82	44.07	+30.363	+30.359
16	+09	+07	.00	.00	.....	.....	+30.639	+30.658
17	+07	+08	.00	+02	52 24.40	17.65	.....	+30.965
18	+06	+08	-01	+01	6 02 57.65	50.90	+31.284	+31.273
19	+05	+06	-01	.00	5 58 47.70	40.95	.....	+31.586
20	+07	+08	.00	.00	6 03 27.71	20.95	.....	+31.887
21	+10	+10	.00	-01	09 06.78	00.02	.....	+32.196
22	+11	+12	.00	-01	11 49.35	42.60	+32.489	+32.505
23	+16	+15	+01	.00	13 33.19	26.43	+32.839	+32.825
24	+15	+09	-01	.00	22 09.27	02.52	+33.163	+33.155
25	+08	+06	-01	-01	39 34.35	27.60	+33.454	+33.487
26	+09	+09	-02	-01	26 35.36	28.62	+33.814	+33.811
27	+06	+07	-04	-03	30 16.82	10.08	.....	+34.160
28	+07	+08	-05	-04	35 55.58	48.85	+34.499	+34.509
29	+03	+05	-05	-04	44 30.80	24.04	+34.851	+34.863

Date 1924	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Mar. 1.....	+06	+13	-01	+06	6 43 17.31	10.55		+35.238
2.....	+07	+10	-02	+02	45 59.72	52.97		+35.620
3.....	+13	+15	+02	+04	52 37.87	31.11		+36.008
4.....	+07	+09	+02	+05	7 04 10.24	03.49		+36.401
5.....	+08	+09	+03	+06	6 58 03.55	56.80		+36.791
6.....	+09	+08	+06	+06	7 03 43.27	36.52		+37.187
7.....	+13	+14	+07	+09	05 27.62	20.88		+37.585
8.....		+15		+10	17 00.04	53.29		+37.990
9.....	+15	+14	+09	+10	17 44.77	38.02		+38.404
10.....	+16	+17	+07	+11	24 22.45	15.70		+38.811
11.....					23 09.82	03.06		+39.220
12.....		+12		+06	26 50.55	43.79	+39.653	+39.625
13.....	+08	+08	-01	-05	31 30.03	23.28	+39.981	+40.033
14.....	+04	+39	-07	-07	39 05.04	58.28		+40.454
15.....	+03	+01	-05				+40.914	+40.902
16.....	+02	+03	-06	-05	42 27.48	20.73		+41.349
17.....		-01		-06	46 07.14	00.38	+41.796	+41.789
18.....	-05	-03	-09	-08	51 45.25	38.49		+42.215
19.....	-03	-02	-09	-08	55 25.22	18.47	+42.630	+42.647
20.....	-03	-02	-08	-07	8 14 47.66	40.90	+43.112	+43.099
21.....	+01	-02	-03	-04	01 47.53	40.77		+43.548
22.....		.00		-03	05 26.86	20.10	+43.985	+44.010
23.....	+05	+06	-03	-03	29 41.98	35.22	+44.483	+44.464
24.....	+06	+06	-05	-04	15 42.76	36.01	+44.934	+44.911
25.....	+03	+04	-06	-06	17 24.25	17.49	+45.340	+45.359
26.....	+05	+04	-07	-07	22 04.42	57.67		+45.801
27.....	+04	+05	-07	-07	30 40.61	33.86		+46.254
28.....	.00	+01	-07	-06	28 29.53	22.78	+46.719	+46.722
29.....	+05	.00	-03	-03	34 09.13	02.38		+47.193
30.....	+03	+03	-05		35 53.25	46.51		+47.659
31.....		+06		-02	43 30.09	23.34	+48.130	+48.130
April 1.....	+02	+03	-07	-04	8 47 11.35	04.60		+0.649
2.....	+04	+04	-06	-03	49 53.42	46.68	+0.751	+0.752
3.....	+03	+05	-04	-04	55 31.66	24.91		+0.852
4.....	+05	+05	-05	-04	55 16.80	10.05		+0.952
5.....	+04	+09	-05	-01	9 00 55.01	48.26	+1.054	+1.051
6.....	+08	+08	-03	-01	09 29.09	22.33		+1.148
7.....	+05	+06	-03	.00	10 11.80	05.05		+1.244
8.....		+04		-01	11 53.13	46.38		+1.339
9.....	+07	+09	-03	-01	17 29.28	22.51		+1.433
10.....	+09	+09	-01	-01	24 04.38	57.62		+1.529
11.....	+08	+10	-03	-01	24 48.00	41.24	+1.623	+1.630
12.....	+10	+13	-02	.00	27 28.67	21.92		+1.736
13.....		+04		-02	33 06.26	59.50		+1.833
14.....	+02	-01	-06	-06	35 47.35	40.60	+1.955	+1.901
15.....	-06	-07	-10	-11	41 26.63	19.89	+1.957	+1.935
16.....		+02		+01			+1.908	+1.926
17.....	+03	+10	-02	-02	51 47.03	40.28		+1.972
18.....	+07	+09	-06	-03	10 03 19.10	12.35		+2.036
19.....	+08	+06	-05	-06	9 57 13.27	06.52	+2.100	+2.108
20.....	+11	+13	-07	-05	10 01 54.70	47.94		+2.184
21.....	+03	+01	-07	-06	10.31.91	25.16		+2.260
22.....	+04	+01	-06	-07	07 22.79	16.04		+2.330
23.....	+05	+05	-07	-06	10 06.46	59.71	+2.392	+2.380
24.....	+04	+03	-07	-06	16 24.58	17.83	+2.424	+2.442
25.....	+02	-02	-05	-08	30 55.16	48.41	+2.495	+2.503
26.....	-01	-03	-08	-06	23 50.99	44.24	+2.611	+2.570
27.....	-01	-01	-07	-06	33 25.91	19.16	+2.597	+2.631
28.....	-01	-03	-04	-05	32 13.00	06.25	+2.699	+2.695
29.....					36 53.53	46.78		+2.749
30.....	+15		-02		40 33.96	27.21		+2.821

Date 1924	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
May 1	+12	+04	-04	-01	10 44 13.01	06.26	+2.873	+2.864
2	+02	+08	-06	-02	45 56.88	50.13	+2.911	+2.921
3	+10	+11	+01	+02	52 35.85	29.09		+2.954
4	+11	+14	+01	+03	53 19.51	12.74		+3.001
5	+12	+11	00	+01	58 59.12	52.38	+3.033	+3.012
6	+09	+08	+02	00	11 07 35.15	28.41	+3.014	+3.028
7	+07	+04	-01	-02	08 19.09	12.35		+3.028
8	+13	+04	-03	-03	21 47.95	41.20		+3.044
9	-01	-01	-06	-03	27 26.92	20.17		+3.065
10	-01	+01	-07	-05				+3.084
11	-01	-01	-06	-04	23 06.05	59.30		+3.097
12	+01	+01	-06	-05	28 46.68	39.94		+3.128
13	00	+01	-08	-07	41 19.41	12.66		+3.163
14	+01	00	-05	-05	35 13.91	07.16		+3.178
15	-01	-03	-04	-05	39 55.75	49.00		+3.199
16	00	-04	-01	-05	41 41.34	34.60	+3.192	+3.182
17	+04	+05	-08	-05	47 22.21	15.46		+3.164
18	+03	+04	-08	-07	50 06.57	59.82	+3.128	+3.101
19	-02	00	-07	-05	53 12.17	05.42	+2.963	+2.961
20	+01	+02	-01	00			+2.809	+2.832
21	+07	+03	+04	+01	12 02 52.45	45.70		+2.755
22	+05		-02		04 42.15	35.40	+2.697	+2.696
23	+08	+06	00	00	08 29.18	22.44		+2.659
24	+02		-02		15 12.39	05.65		+2.655
25	+05	+05	-04	-03	21 55.34	48.59		+2.604
26	+06	+02	-02	-03	21 46.39	39.64		+2.554
27	+04	+08	-05	00	34 22.16	15.42		+2.470
28	+08	+09	-03	00	31 15.58	08.83	+2.430	+2.410
29	+06	+02	-08		35 59.52	52.77	+2.321	+2.368
30	+03	+05	-08	-06	38 46.05	39.31	+2.340	+2.322
31	+02	+03	-07		45 28.12	21.39		+2.266
June 1	00	+03	-06	-04	12 45 18.38	11.68		+2.233
2	+01	+03	-08	-06	49 04.19	57.44		+2.184
3	+04	+03	-05	-07	53 48.98	42.24	+2.130	+2.121
4	+02	+02	-09	-07	13 00 30.97	24.22	+2.086	+2.038
5	+02	+09	-09	-02	12 07.52	00.78	+1.856	+1.830
6	+02	+05	-05	-02			+1.552	+1.550
7	+03	-01	-02	-07				+1.306
8	+02	+06	-07	-04	15 33.66	26.92	+1.026	+1.019
9	+07	+07	-02	-03			+0.743	+0.746
10	+08	+11	-10	00			+0.489	+0.504
11	+09	+07	-01	-03				+0.315
12	+07	+08	-03	-01	30 36.87	30.12		+0.104
13	+09	+11	00	+04	36 19.97	13.20	-0.123	-0.119
14	+09	+13	00	+04			-0.307	-0.325
15	+07	+10	00	+02	43 50.78	44.01		-0.536
16	+12	+10	+03	+03			-0.762	-0.744
17	+11	+13	-01	-02				-0.935
18	+05	+04	-03	-06			-1.099	-1.096
19	+04	+03	-07	-09	56 55.34	48.60	-1.265	-1.248
20	+06	+04	-02	-03	14 03 37.73	30.99		-1.408
21	+05	+03	-03		13 16.55	09.81	-1.553	-1.568
22	+08	+01	-01	-02				-1.710
23	+07	+04	00	-02	13 56.22	49.48	-1.865	-1.853
24	+05	+01	-02	-03	16 43.28	36.54		-1.970
25	+01	+02	-03	-01			-2.118	-2.124
26	+09	+10	+03		24 15.17	08.43	-2.270	-2.292
27	+07	+15	-02	+04	29 48.70	41.96	-2.484	-2.489
28	+08	+11	-01	+01	38 30.66	23.92		-2.671
29	+12	+05		-02				-2.842
30	+01	+04		-04	52 54.40	47.66		-3.026

Date 1924	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
July 1	+07	+12	-03	.00	14 44 53.62	46.87		- 3.242
2	+08	+11	-02	-01	48 38.59	31.84	- 3.463	- 3.454
3	+04	+04	-01	-01	54 23.37	16.65	- 3.643	- 3.658
4	+03	+02	-02	-02	55 13.94	07.19	- 3.865	- 3.884
5	+03		.00		15 02 56.37	49.64	- 4.135	- 4.156
6	.00	-01	-02	-03	08 40.39	33.65		- 4.433
7	-06	-07	-07	-08	14 24.63	17.90		- 4.719
8	-08	-13	-08	-12	12 17.71	10.98		- 5.020
9	-06	-02	-11	-08	19 00.65	53.91		- 5.362
10	-01	+02	-08	-05	20 49.69	42.95	- 5.723	- 5.708
11	+06	+06	-04	-03	24 36.17	29.43	- 6.011	- 6.012
12	+06	+09	-04	-02	27 23.75	17.00		- 6.334
13	+10	+06	-02		33 07.64	00.86		- 6.637
14	+01	+05	-04	-05	38 51.76	45.03	- 6.910	- 6.924
15	.00		-07		39 41.48	34.76		- 7.244
16	+02	+04	-05	-04	41 28.91	22.19		- 7.588
17	+08	+06	-01	.00	52 06.44	59.73	- 7.947	- 7.946
18	+07	+11	.00	+02	51 57.33	50.60	- 8.316	- 8.352
19	+11	+11	+02	+05	53 45.42	38.67	- 8.787	- 8.746
20	+10	+10	+01	+05	57 30.60	23.86	- 9.096	- 9.086
21	+10	+10	+03	+01	16 09 06.93	00.20	- 9.382	- 9.400
22	+08	+07	.00	.00	10 54.94	48.18	- 9.700	- 9.714
23	+06	+04	-02	-06	12 42.82	36.07	-10.048	-10.048
24	+04	+05	-03	-04	15 30.24	23.52		-10.462
25	+04	+08	-03	-02	24 11.71	04.98	-10.900	-10.938
26	+07	+09	.00					-11.471
27	+09		.00		34 41.63	34.90		-12.002
28	+13	+14	+05	+05	29 37.42	30.68	-12.546	-12.508
29	+12	+13	+03	+04	34 21.58	14.83	-12.937	-12.946
30	+12	+08	+03	.00	43 59.91	53.18	-13.386	-13.369
31	+11	+15	+01	+05	51 41.22	34.48	-13.775	-13.790
Aug. 1	+11	+10	+02	.00	16 43 41.52	34.79	-14.263	-14.215
2	+09	+07	+01	-01	49 25.35	18.61	-14.591	-14.600
3		+06		.00	54 09.90	03.15		-14.968
4	+05	+07	-02	+01	58 54.11	47.36		-15.330
5	+06	+05	-02	-01	59 42.48	35.73	-15.709	-15.723
6	+07		.00		17 10 18.63	11.90		-16.126
7		+1.07		.00			-16.563	-16.572
8		+05		-02				-17.030
9	+02	.00	-05	-05			-17.489	-17.485
10	-03	-03	-08	-06				-17.972
11	+05	+06	-05	-05	26 05.30	58.58	-18.453	-18.483
12	+02	+02	-07	-05	38 40.16	33.38		-19.056
13		+08		-01	46 21.11	14.36		-19.661
14	+03	+05	-06	-03	44 13.32	06.58	-20.269	-20.269
15	+04	+06	-03	.00			-20.768	-20.768
16								
17								
18	+09	+07	+04		51 21.15	14.40	-23.241	-23.241
19	+04	+07	-01	+02	59 01.64	54.91		-23.266
20	+03	+06	-01	+03	18 02 47.03	40.30	-23.292	-23.287
21	+01	+03	-01	+02	08 30.08	23.35	-23.292	-23.317
22	+04	+02	-04	-05	11 16.46	09.72		-23.355
23	.00	-03	-07	-04	15 01.26	54.53	-23.415	-23.391
24	-06	-07	-07	-08	14 51.34	44.59		-23.417
25	.00	+02	-09	-08	19 35.69	28.95		-23.432
26	+03	+01	-05	-07	23 20.76	14.02	-23.440	-23.440
27	-02	+01		-03			-23.448	-23.452
28	+01	-01	-03	-01	45 34.49	27.76	-23.455	-23.473
29	+07	+06	-01		42 27.79	21.05		-23.511
30	+03	+03	-05		43 16.10	09.35		-23.548
31	.00	+04		-01				-23.600

Date 1924	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Sept. 1.....	.00	-.02	-.05	-.06	.....	.....	.....	-.23.647
2.....	-.05	-.05	-.07	-.09	18 55 30.33	23.58	-23.698	-23.682
3.....	-.06	-.07	-.04	-.05	59 15.22	08.47	.....	-23.697
4.....	-.08	-.04	-.05	+02	19 06 55.87	49.14	-23.708	-23.715
5.....	-.01	+03	-.05	-.02	07 44.10	37.35	.....	-23.736
6.....	+01	+08	-.06	+01	.....	.....	.....	-23.760
7.....	+04	+04	-.03	-.01	17 12.06	05.31	.....	-23.776
8.....	+01	.....	-.03	.....	20 57.36	50.61	.....	-23.797
9.....	+06	+07	-.03	+01	24 42.31	35.56	.....	-23.826
10.....	+01	+06	-.06	-.01	27 28.80	22.05	.....	-23.856
11.....	+06	+04	+01	+01	31 13.87	07.12	-23.877	-23.894
12.....	+02	+01	+01	+03	35 57.75	51.01	.....	-23.940
13.....	+03	+04	-.01	.....	36 46.73	39.99	.....	-23.998
14.....	+02	+01	.....	-.01	41 32.28	25.54	.....	-24.050
15.....	+01	+01	-.02	-.02	54 08.26	01.53	.....	-24.097
16.....	-.06	+01	-.10	-.03	51 00.97	54.22	.....	-24.148
17.....	-.03	-.01	-.07	-.03	52 47.09	40.35	.....	-24.205
18.....	+03	+04	-.04	-.05	57 30.59	23.84	-24.271	-24.257
19.....	.00	+06	-.08	-.02	20 00 17.06	10.31	-24.336	-24.339
20.....	+07	+08	-.02	.....	04 01.14	54.39	.....	-24.367
21.....	+08	+08	-.06	-.04	.....	.....	.....	-24.390
22.....	+08	+09	-.04	-.03	11 29.35	22.60	.....	-24.406
23.....	+09	+11	-.05	.....	15 12.94	06.19	-24.433	-24.419
24.....	+04	+06	.....	-.02	21 51.46	44.71	-24.408	-24.423
25.....	+06	+03	.00	-.01	25 33.60	26.85	-24.434	-24.439
26.....	-.03	+03	-.05	+02	28 17.92	11.17	-24.459	-24.475
27.....	+01	.....	-.01	.....	35 56.69	49.94	-24.533	-24.526
28.....	-.02	.00	-.02	+01	47 30.55	23.80	.....	-24.560
29.....	-.03	-.04	-.01	-.01	42 23.17	16.43	.....	-24.606
30.....	-.08	-.09	-.01	-.02	44 08.23	01.48	.....	-24.643
Oct. 1.....	+07	+06	.00	.00	20 49 47.71	40.96	-24.671	-24.682
2.....	+08	+09	-.03	-.03	54 28.68	21.93	-24.730	-24.720
3.....	-.03	+05	-.03	-.02	59 09.60	02.85	-24.761	-24.754
4.....	+05	+05	-.06	-.05	58 56.65	49.91	.....	-24.780
5.....	+04	+06	-.07	-.06	21 03 38.12	31.38	.....	-24.782
6.....	.00	-.01	-.06	-.04	08 19.18	12.43	.....	-24.788
7.....	-.03	-.02	-.06	-.06	36 05.73	59.21	.....	-24.805
8.....	-.04	-.05	-.08	-.08	19 04.91	58.29	-24.811	-24.825
9.....	-.07	-.06	-.09	-.06	19 24.62	17.84	-24.866	-24.835
10.....	-.04	-.07	-.06	-.08	25 05.77	59.02	-24.825	-24.831
11.....	-.04	-.01	-.07	-.05	36 38.99	32.24	.....	-24.828
12.....	-.03	-.03	.....	-.03	29 33.95	27.20	.....	-24.826
13.....	-.04	.....	-.03	.....	37 11.54	04.79	.....	-24.830
14.....	-.05	-.03	-.02	-.01	41 53.12	46.37	-24.824	-24.836
15.....	-.09	-.10	-.04	.....	45 36.65	29.90	-24.878	-24.845
16.....	-.10	-.09	-.03	-.02	45 23.32	16.57	-24.836	-24.854
17.....	+03	+02	-.02	-.02	51 02.01	55.27	-24.858	-24.858
18.....	+01	.....	-.04	.....	52 44.86	38.11	.....	-24.851
19.....	+03	+05	-.03	-.01	56 25.56	18.81	.....	-24.850
20.....	+01	+05	-.03	-.03	22 01 05.14	58.39	.....	-24.850
21.....	+07	+07	-.03	-.01	06 44.14	37.39	.....	-24.847
22.....	+06	+08	-.02	.00	12 23.30	16.56	-24.849	-24.839
23.....	+09	+09	.00	.00	16 04.85	58.10	.....	-24.836
24.....	.....	+08	.....	-.03	17 48.21	41.47	-24.816	-24.849
25.....	+05	+04	-.01	.....	23 26.78	20.03	-24.878	-24.873
26.....	+03	.00	-.02	-.04	29 08.00	01.25	.....	-24.891
27.....	.00	.00	-.05	-.06	30 55.72	48.97	-24.924	-24.914
28.....	-.01	+01	-.05	.....	39 35.03	28.28	-24.911	-24.925
29.....	-.02	-.01	-.05	-.04	38 24.24	17.49	-24.959	-24.933
30.....	+04	+04	-.04	-.04	43 06.45	59.70	-24.918	-24.930
31.....	+03	+03	-.07	-.05	46 49.01	42.26	.....	-24.930

Date 1924	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Nov. 1.....	+·01	-·03	-·07	-·08	22 50 31·68	24·93	.....	-24·951
2.....	+·01	·00	-·05	-·07	54 14·41	07·66	.....	-24·967
3.....	+·01	·00	-·08	-·08	23 21 30·38	23·63	.....	-24·970
4.....	-·03	·00	-·09	-·08	02 39·82	33·08	.....	-24·982
5.....	-·02	-·01	-·09	-·09	11 16·68	09·93	.....	-24·993
6.....	-·02	-·01	-·09	-·07	19 53·08	46·33	.....	-25·000
7.....	-·03	-·03	-·11	-·09	11 49·51	42·76	.....	-25·009
8.....	-·02	-·03	-·07	-·05	25 20·98	14·24	-25·014	-25·000
9.....	-·05	-·04	-·08	-·06	24 08·95	02·20	.....	-24·986
10.....	+·01	-·01	-·01	·00	24 55·01	48·26	.....	-24·960
11.....	+·02	+·05	·00	+·04	42 21·30	14·55	.....	-24·920
12.....	+·13	+·11	+·05	.....	43 08·07	01·32	-24·975	-24·930
13.....	+·11	.....	-·01	.....	36 03·66	56·91	.....	-24·972
14.....	+·10	+·09	-·02	-·04	41 44·92	38·18	.....	-24·993
15.....	+·08	+·04	-·04	.....	51 22·36	15·61	.....	-25·000
16.....	+·02	+·03	.....	-·01	48 13·96	07·21	.....	-24·982
17.....	+·01	+·02	-·06	-·06	53 55·76	49·01	-25·006	-25·001
18.....	+·07	+·10	.....	-·04	57 38·82	32·07	.....	-24·986
19.....	.....	.....	.....	.....	0 04 18·33	11·58	.....	-24·967
20.....	+·01	+·03	-·06	-·04	05 05·68	58·93	.....	-24·947
21.....	+·06	+·07	-·04	-·02	07 50·40	43·66	.....	-24·934
22.....	+·07	+·07	·00	.....	12 34·05	27·30	.....	-24·912
23.....	+·06	+·06	-·01	-·01	18 14·29	07·53	.....	-24·894
24.....	+·05	+·04	-·02	-·04	26 50·70	43·95	.....	-24·864
25.....	+·03	+·02	-·04	-·04	29 34·38	27·63	.....	-24·842
26.....	+·05	+·06	-·03	-·05	28 20·85	14·11	.....	-24·813
27.....	+·09	+·09	-·02	-·04	32 02·34	55·59	-24·790	-24·781
28.....	+·10	+·09	-·04	-·02	35 44·45	37·70	-24·744	-24·744
29.....	+·07	+·04	-·03	·00	39 26·18	19·43	.....	-24·702
30.....	+·04	+·05	+·01	+·01	43 07·53	00·78	.....	-24·655
Dec. 1.....	+·05	+·04	·00	-·01	0 48 46·59	39·84	.....	-24·610
2.....	+·07	+·05	-·01	·00	50 30·75	24·00	.....	-24·564
3.....	+·06	+·04	+·01	.....	1 11 52·21	45·47	.....	-24·524
4.....	+·04	+·05	+·01	+·03	0 58 53·42	46·67	-24·473	-24·485
5.....	+·05	+·06	+·03	+·04	1 04 33·50	26·75	.....	-24·457
6.....	·00	·00	+·03	+·02	08 16·84	10·09	.....	-24·434
7.....	-·12	.....	-·04	.....	12 59·26	52·51	.....	-24·419
8.....	-·10	-·11	-·02	-·02	18 39·06	32·31	.....	-24·401
9.....	-·08	.....	-·01	.....	22 21·23	14·48	.....	-24·384
10.....	+·07	+·08	·00	-·01	24 05·63	58·88	.....	-24·360
11.....	+·08	+·07	-·03	-·03	27 46·81	40·07	.....	-24·337
12.....	+·07	+·08	-·03	-·02	38 20·02	13·27	.....	-24·306
13.....	+·11	+·09	·00	.....	36 08·06	01·31	.....	-24·280
14.....	+·10	+·08	.....	.....	38 50·19	43·44	.....	-24·250
15.....	+·06	+·10	-·04	-·02	43 30·18	23·43	.....	-24·226
16.....	+·09	.....	-·04	.....	47 10·72	03·97	.....	-24·195
17.....	+·09	+·08	+·01	.....	49 52·21	45·46	.....	-24·158
18.....	+·05	+·04	+·03	+·03	54 32·12	25·37	.....	-24·129
19.....	+·11	+·10	+·03	+·03	2 00 11·11	04·36	.....	-24·093
20.....	+·06	+·07	+·03	.....	14 41·87	35·12	-24·060	-24·061
21.....	+·07	+·05	+·05	+·04	17 25·06	18·31	.....	-24·037
22.....	+·07	+·13	+·03	+·05	16 12·99	06·25	.....	-23·996
23.....	+·08	+·10	+·02	+·04	17 56·70	49·95	.....	-23·968
24.....	+·07	+·10	+·01	+·04	19 40·50	33·76	.....	-23·935
25.....	.....	+·08	.....	+·04	24 20·55	13·81	.....	-23·898
26.....	+·08	+·10	+·01	+·02	.....	.....	.....	-23·871
27.....	.....	+·05	.....	+·01	30 45·39	38·65	.....	-23·833
28.....	.....	.....	.....	.....	34 26·59	19·85	.....	-23·797
29.....	+·09	+·09	+·01	+·02	.....	.....	.....	-23·753
30.....	+·06	+·05	+·02	+·03	.....	.....	.....	-23·732
31.....	.....	.....	.....	.....	47 29·04	22·28	.....	-23·688

NAUEN

Time of 151st beat

Date 1924	151st beat	O-H	Date 1924	151st beat	O-H	Date 1924	151st beat	O-H
	7h 3m			7h 3m			7h 3m	
	s.	s.		s.	s.		s.	s.
Aug. 1.....			Sept. 1....	25.72	-.06	Oct. 1....	25.55	-.07
2.....			2....	25.67	-.09	2....	25.60	-.08
3.....	25.75	.00	3....	25.66	-.09	3....	25.67	-.12
4.....			4....	25.61	-.12	4....	25.76	-.08
5.....	25.80	+ .06	5....	25.71	-.07	5....		
6.....	25.73	-.01	6....	25.73	-.07	6....	25.71	-.12
7.....			7....	25.73	-.10	7....	25.63	-.12
8.....			8....	25.71	-.12	8....	25.64	-.11
9.....			9....	25.71	-.13	9....	25.64	-.12
10.....			10....	25.76	-.10	10....	25.60	-.15
11.....			11....	25.75	-.12	11....	25.61	-.13
12.....			12....	25.79	-.10	12....	25.67	-.06
13.....			13....	25.73	-.12	13....	25.68	-.08
14.....			14....	25.71	-.17	14....	25.79	-.04
15.....			15....	25.73	-.17	15....	25.80	-.07
16.....			16....	25.59	-.19	16....	25.82	-.05
17.....			17....	25.52	-.17	17....	25.78	-.09
18.....			18....	25.51	-.17	18....	25.85	-.04
19.....	25.47	-.04	19....	25.58	-.10	19....	25.69	-.11
20.....	25.49	-.01	20....	25.61	-.05	20....	25.66	-.03
21.....			21....			21....	25.64	-.04
22.....	25.54	-.10	22....	25.80	-.07	22....	25.62	-.02
23.....	25.53	-.19	23....	25.84	-.10	23....	25.69	-.09
24.....			24....	25.89	-.11	24....	25.82	+ .06
25.....	25.58	-.19	25....	25.90	-.11	25....	25.79	+ .02
26.....	25.65	-.11	26....	25.91	-.09	26....	25.76	-.04
27.....	25.69	-.12	27....	25.82	-.05	27....		
28.....	25.76	-.04	28....	25.58	-.12	28....		
29.....			29....	25.60	-.09	29....	25.67	-.08
30.....	25.57	-.10	30....	25.57	-.11	30....		
31.....						31....		

NAUEN

Time of 151st beat

Date 1924	151st beat	O—H	Date 1924	151st beat	O—H
	19h 3m			19h 3m	
	s.	s.		s.	s.
Nov. 1.....			Dec. 1.....	25·75	—·06
2.....			2.....	25·70	—·08
3.....			3.....	25·65	—·06
4.....			4.....	25·53	—·02
5.....			5.....	25·51	—·06
6.....			6.....	25·47	—·02
7.....			7.....		
8.....			8.....	25·30	—·06
9.....			9.....	25·22	—·11
10.....	25·59	—·13	10.....	25·09	—·11
11.....	25·60	—·13	11.....	25·15	—·14
12.....	25·56	—·05	12.....	25·25	—·09
13.....	25·51	—·04	13.....	25·51	—·03
14.....	25·52	—·12	14.....	25·61	—·01
15.....	25·57	—·11	15.....	25·60	—·02
16.....	25·64	—·08	16.....	25·71	—·03
17.....	25·58	—·12	17.....	25·71	—·04
18.....	25·65	—·10	18.....	25·76	—·06
19.....	25·61	—·13	19.....	25·74	—·02
20.....	25·63	—·11	20.....	25·72	—·05
21.....	25·66	—·04	21.....	25·74	+·01
22.....	25·82	—·06	22.....	25·83	+·07
23.....	25·67	—·04	23.....	25·83	+·10
24.....	25·66	—·03	24.....	25·80	+·05
25.....	25·71	—·06	25.....	25·83	+·08
26.....	25·59	—·17	26.....	25·89	+·15
27.....	25·67	—·19	27.....	25·86	+·11
28.....	25·57	—·16	28.....	25·79	+·06
29.....	25·69	—·11	29.....	25·75	+·06
30.....	25·82	·00	30.....	25·67	—·02
			31.....	25·63	—·06

Date 1925	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Jan. 1	+02	+03	+01	.....	2 50 13.25	06.52	.....	-23.642
2	+01	+03	-01	+04	59 48.96	42.20	.....	-23.604
3	.....	+08	.....	.....	57 37.77	31.02	.....	-23.571
4	+04	+01	.00	+01	3 02 18.87	12.11	.....	-23.533
5	+08	+09	+02	+01	06 59.44	52.69	.....	-23.494
6	+07	+11	+01	+03	10 41.65	34.90	.....	-23.463
7	+09	+10	.00	+01	19 17.80	11.05	.....	-23.435
8	+08	+08	-01	.00	17 06.65	59.90	.....	-23.416
9	+09	+09	-01	-01	19 49.58	42.83	.....	-23.395
10	+05	+06	-04	-03	22 32.23	25.48	.....	-23.370
11	+04	+06	-04	.....	32 08.28	01.53	-23.345	-23.328
12	+06	+07	-03	-01	30 55.57	48.82	.....	-23.276
13	+07	+08	-04	-01	35 39.40	32.66	.....	-23.215
14	+05	+08	-03	+03	41 19.51	12.76	-23.136	-23.151
15	+08	+07	+01	+02	44 02.17	55.42	.....	-23.097
16	+12	+12	+06	+08	46 46.21	39.46	.....	-23.043
17	+06	+11	+04	.....	51 29.12	22.37	.....	-22.982
18	+06	+07	+05	+06	56 10.86	04.12	.....	-22.922
19	+10	+08	+07	+08	59 20.78	14.03	.....	-22.857
20	+06	+05	.....	+06	4 08 01.40	54.65	.....	-22.794
21	+10	+17	+06	+09	12 44.68	37.93	.....	-22.734
22	+10	.....	+04	.....	14 32.38	25.63	.....	-22.681
23	+12	+14	+04	+05	16 18.78	12.04	-22.624	-22.629
24	+10	+13	+02	+05	21 01.67	54.92	.....	-22.584
25	+11	+15	+03	.....	25 43.20	36.42	.....	-22.553
26	+12	+10	+06	.....	27 29.80	23.05	.....	-22.518
27	+09	+10	+07	+07	34 11.63	04.88	-22.476	-22.477
28	+08	+08	+08	+08	36 58.10	51.35	.....	-22.436
29	+13	+15	.....	+06	44 38.36	31.61	.....	-22.396
30	+13	+18	+03	+08	55 16.40	09.66	.....	-22.347
31	+11	+11	+03	+05	55 05.81	59.06	.....	-22.299
Feb. 1	+10	+07	+02	+01	4 52 57.33	50.58	.....	-22.258
2	+10	+10	+01	+04	57 41.78	35.03	-22.207	-22.220
3	+09	+07	.00	-02	5 01 26.24	19.49	.....	-22.187
4	+05	+05	-02	-01	04 12.08	05.33	.....	-22.155
5	+04	+06	-03	-02	08 56.61	49.86	.....	-22.120
6	+03	+05	-04	-03	12 40.30	33.55	.....	-22.094
7	+04	+05	.....	.....	17 23.08	16.33	-22.054	-22.040
8	.00	+02	-06	-06	19 10.24	03.49	.....	-21.985
9	+01	+01	-06	-05	25 52.24	45.49	.....	-21.914
10	+01	+01	-05	-04	25 41.94	35.19	.....	-21.842
11	.00	+03	-05	-03	30 22.91	16.16	.....	-21.769
12	-05	-04	-06	.....	34 05.85	59.10	.....	-21.693
13	+01	+03	-05	-04	38 45.70	38.95	.....	-21.616
14	+01	+02	-04	-06	42 27.20	20.45	-21.546	-21.544
15	-04	.....	-08	.....	46 08.68	01.93	.....	-21.466
16	.00	.00	-11	-08	50 48.05	41.30	.....	-21.388
17	.00	-01	-09	-10	56 27.03	20.28	-21.326	-21.308
18	.....	+01	.....	.....	57 12.03	05.28	-21.211	-21.219
19	-02	-01	-09	-08	6 04 48.49	41.74	-21.124	-21.130
20	-01	.00	-09	-08	07 30.84	24.09	.....	-21.047
21	+04	+06	-07	.....	.....	.....	.....	-20.962
22	+03	+06	-08	-06	15 50.69	43.93	.....	-20.879
23	-01	.00	-07	-07	16 35.57	28.83	.....	-20.788
24	-01	-02	-07	-06	24 11.49	04.74	-20.708	-20.695
25	-01	+04	-09	-05	27 52.44	45.69	.....	-20.575
26	+02	+07	-06	-03	35 29.34	22.59	.....	-20.468
27	.....	+07	.....	.....	42 07.83	01.08	.....	-20.343
28	+06	+08	-04	.00	41 54.47	47.72	.....	-20.234

Date 1925	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
Mar. 1	s. +.07	s. +.08	s. -.03	s.	h. m. s. 6 43 38.49	s. 31.74	s.	-20.130
2	+.08	+.08	-.02	.00	47 20.52	13.77	.....	-20.018
3	.....	.....	.....	.....	51 03.26	56.51	.....	-19.903
4	+.05	+.06	+.01	+.01	57 41.26	34.51	.....	-19.801
5	+.05	+.07	.00	+.03	56 28.27	21.52	.....	-19.704
6	+.03	+.06	.00	+.02	7 00 08.51	01.76	-19.625	-19.620
7	+.06	.....	+.01	.....	05 47.66	40.91	.....	-19.529
8	+.09	+.09	+.02	+.03	08 31.89	25.14	.....	-19.444
9	+.04	+.06	-.01	+.01	13 13.74	06.96	-19.346	-19.350
10	+.10	+.10	+.01	+.02	18 52.45	45.70	.....	-19.250
11	+.08	+.12	.00	+.06	27 28.94	22.19	.....	-19.158
12	+.07	+.10	.00	+.05	24 18.43	11.68	-19.056	-19.068
13	+.10	+.12	+.01	+.03	29 59.03	52.28	.....	-18.974
14	+.09	+.11	+.01	.....	.....	.....	.....	-18.870
15	+.10	+.10	+.01	+.01	39 20.34	13.59	.....	-18.786
16	+.10	+.12	-.02	+.02	42 04.28	57.53	.....	-18.697
17	+.09	.....	-.01	.....	45 47.59	40.84	.....	-18.599
18	+.09	+.12	-.02	+.02	47 32.15	25.40	.....	-18.502
19	+.09	+.09	-.01	.00	54 10.27	03.52	.....	-18.406
20	+.05	+.08	-.01	.....	8 00 49.80	43.05	-18.312	-18.307
21	+.06	+.09	-.04	-.01	01 34.13	27.38	.....	-18.203
22	+.05	+.09	-.03	-.03	04 18.76	12.01	-18.102	-18.100
23	+.08	+.08	-.01	-.02	09 58.48	51.73	-18.002	-17.999
24	+.09	.....	-.02	.....	11 45.34	38.59	.....	-17.896
25	+.07	+.09	.00	+.01	17 25.33	18.58	-17.798	-17.794
26	+.08	+.08	-.02	+.01	21 08.78	02.03	-17.687	-17.701
27	+.05	+.06	-.04	-.02	25 52.74	45.99	.....	-17.614
28	+.03	+.04	-.04	-.04	32 32.53	25.78	.....	-17.547
29	+.03	+.06	-.07	-.05	35 17.15	10.40	.....	-17.475
30	+.06	+.05	.....	.....	37 03.29	56.54	.....	-17.407
31	+.06	+.05	-.04	-.05	41 45.07	38.32	.....	-17.338
April 1	+.04	+.06	-.06	.....	8 47 25.37	18.62	.....	-17.270
2	+.05	+.08	-.06	-.02	49 10.84	04.09	.....	-17.205
3	+.07	+.07	-.05	-.04	53 54.47	47.62	.....	-17.138
4	+.04	+.09	-.04	.....	9 00 34.87	28.13	-17.079	-17.054
5	+.07	+.07	-.02	-.02	01 21.20	14.46	-16.942	-16.968
6	+.10	+.12	+.01	+.02	07 08.15	56.40	-16.865	-16.880
7	+.08	+.08	+.02	.....	08 49.74	42.99	-16.831	-16.811
8	+.07	+.07	+.02	+.02	14 33.70	26.95	-16.733	-16.738
9	+.15	+.13	+.05	+.03	18 18.46	11.71	.....	-16.664
10	+.13	+.17	+.03	+.05	25 58.25	51.50	-16.581	-16.582
11	+.19	+.14	+.06	.....	28 45.15	38.40	.....	-16.509
12	+.07	+.09	+.03	+.06	32 29.78	23.03	.....	-16.441
13	+.06	+.10	+.03	+.09	34 16.61	09.86	.....	-16.361
14	+.06	+.07	+.05	+.03	40 57.63	50.88	-16.287	-16.287
15	+.16	+.17	+.04	+.06	40 46.45	39.70	-16.223	-16.224
16	+.17	+.17	.00	-.01	50 22.46	15.71	-16.146	-16.161
17	+.09	+.12	-.01	+.02	49 11.45	04.70	-16.105	-16.114
18	+.08	+.08	+.01	.....	52 55.81	49.06	-16.088	-16.077
19	+.06	+.08	+.01	+.01	58 38.07	31.32	-16.011	-16.023
20	+.09	+.12	-.02	-.01	10 06 18.08	11.33	-15.983	-15.966
21	+.09	+.10	-.02	-.02	06 07.19	00.44	-15.913	-15.920
22	+.13	+.15	-.02	-.04	09 50.45	43.70	.....	-15.877
23	+.13	+.12	-.03	-.02	12 34.78	28.03	.....	-15.829
24	+.02	.00	-.04	-.06	18 16.19	09.44	-15.802	-15.783
25	.....	+.08	.....	-.03	21 59.63	52.88	-15.717	-15.725
26	+.04	+.07	.00	+.03	25 42.41	35.66	-15.662	-15.657
27	+.05	+.13	+.01	+.03	29 26.22	19.47	-15.577	-15.585
28	+.13	+.12	+.03	+.04	35 07.08	00.33	-15.508	-15.515
29	+.11	+.13	+.02	+.03	37 51.13	44.38	.....	-15.446
30	+.12	+.12	+.02	+.03	40 35.80	29.05	.....	-15.387

Date 1925	Ottawa-Washington						Bordeaux (G. Sid. T.)		Δ T at 10 p.m.	
	Observed			Corrected			1st beat	300th beat	Observed	Adopted
	3 a.m.	Noon	10 p.m.	3 a.m.	Noon	10 p.m.				
	s.	s.	s.	s.	s.	s.	h. m. s.	s.	s.	s.
May 1	.....	+07	+10	.....	+04	+09	10 46 16.54	09.79	.....	-15.328
2	.....	+08	+14	.....	+05	.....	52 56.09	49.34	.....	-15.291
3	.....	+15	+12	.....	+07	+06	55 41.05	34.30	.....	-15.261
4	.....	+10	+07	.....	+05	+06	58 25.56	18.80	.....	-15.216
5	.....	+03	+02	.....	+07	+04	11 01 09.57	02.82	.....	-15.188
6	.....	+12	+16	.....	.....	+06	05 51.28	44.53	.....	-15.161
7	.....	+13	+14	.....	+05	+04	09 34.54	27.79	.....	-15.130
8	.....	+17	+11	.....	+04	+04	14 16.95	10.19	.....	-15.095
9	.....	+11	+08	.....	+03	.....	18 00.28	53.53	-15.057	-15.052
10	.....	+11	+08	.....	+05	.....	21 43.34	36.59	.....	-14.997
11	.....	+17	+13	.....	+07	.....	25 27.58	20.83	-14.938	-14.921
12	.....	+12	+13	.....	+06	+05	29 11.10	04.35	-14.824	-14.850
13	.....	+15	+17	.....	+07	+09	33 55.00	48.25	.....	-14.791
14	.....	+14	+13	.....	+08	+08	41 34.01	27.26	.....	-14.744
15	.....	+12	+20	.....	+07	+09	42 21.06	14.31	-14.697	-14.716
16	+09	+08	+10	+06	+07	+07	23 44 12.91	06.16	.....	-14.716
17	.....	+07	+01	.....	+04	+05	.....	.....	-14.740	-14.726
18	+02	+02	-01	-01	+02	+02	52 38.75	31.98	.....	-14.725
19	+03	.....	+10	+02	.....	+05	56 23.41	16.66	.....	-14.716
20	+06	+06	+07	+05	+04	.....	0 00 07.52	00.76	.....	-14.709
21	+06	.....	+12	.....	.....	+05	03 52.32	45.57	.....	-14.702
22	+12	+11	+05	+05	+05	+06	07 37.82	31.07	.....	-14.688
23	+06	+15	+12	+04	+06	+05	11 21.01	14.26	.....	-14.668
24	+11	+12	+09	+06	+07	+05	16 04.67	57.95	.....	-14.654
25	+08	+07	+06	+04	+02	+02	18 49.87	43.12	-14.641	-14.643
26	.....	+12	+10	.....	+06	+03	.....	.....	.....	-14.634
27	+09	+13	+16	+03	+06	+07	26 18.58	11.84	.....	-14.616
28	+11	+14	+12	+04	+06	+07	31 02.02	55.29	.....	-14.602
29	+12	+14	+14	+07	+08	+09	34 46.88	40.13	.....	-14.595
30	+13	+12	+11	+07	+08	+08	39 30.43	23.68	-14.570	-14.602
31	.....	+12	+09	.....	+06	+03	.....	.....	.....	-14.622
June 1	.....	+02	-02	.....	-03	-04	0 49 57.93	51.18	.....	-14.671
2	00	+02	+03	-03	-02	+01	50 45.34	38.59	-14.736	-14.669
3	-03	.....	-03	-03	.....	-03	58 24.90	18.15	.....	-14.672
4	-03	+02	-02	-02	-02	-01	59 12.45	05.70	.....	-14.642
5	-02	+05	+08	-03	-01	-03	1 02 55.65	48.97	-14.566	-14.595
6	+07	+09	+10	-05	-03	-03	15 29.34	22.59	-14.573	-14.563
7	+09	+03	+05	-03	-05	-04	11 22.94	16.18	.....	-14.531
8	+05	.....	+04	-02	.....	-03	15 08.66	01.91	.....	-14.493
9	+05	+06	+07	00	+03	+06	18 54.15	47.40	-14.445	-14.452
10	+02	+15	+10	+03	+08	.....	22 38.47	31.72	.....	-14.431
11	+10	+09	+03	.....	+05	+05	.....	.....	-14.422	-14.404
12	+01	+02	+02	+03	+01	+04	29 09.82	03.08	-14.350	-14.378
13	.....	+07	+02	.....	+04	+03	.....	.....	.....	-14.364
14	+03	+09	+06	+04	+05	+05	38 39.30	32.56	.....	-14.361
15	.....	-01	-03	.....	+03	+06	.....	.....	.....	-14.364
16	-04	+10	+10	+03	+04	+02	43 12.58	05.84	-14.371	-14.359
17	+08	+07	+08	+02	+03	.....	52 49.85	43.10	.....	-14.350
18	+06	+11	+06	00	+02	00	58 32.44	25.70	-14.329	-14.342
19	+04	+09	+06	00	-02	-01	2 05 13.78	07.03	.....	-14.342
20	+04	.....	+08	-02	.....	00	00 09.52	02.77	.....	-14.349
21	+07	+07	+08	00	00	+02	04 53.66	46.91	.....	-14.359
22	+07	+10	+10	+01	+03	+05	09 37.72	30.97	.....	-14.373
23	+10	+06	+09	+04	+02	+04	14 22.15	15.40	-14.380	-14.387
24	+07	+08	+09	+03	+02	+02	17 08.87	02.12	.....	-14.425
25	+07	+09	+10	00	-01	00	20 54.43	47.68	.....	-14.466
26	+06	+06	+06	-01	-03	-02	25 38.99	32.25	-14.515	-14.512
27	+06	+04	.....	-02	-01	.....	30 23.49	16.73	.....	-14.546
28	+05	-01	+01	00	-03	-02	33 10.20	03.45	-14.592	-14.574
29	+05	+03	+03	+03	+01	+03	37 55.96	49.21	-14.571	-14.595
30	+02	+02	-01	+01	+04	+03	41 40.73	33.98	.....	-14.622

Date 1925	Ottawa-Washington						Bordeaux (G. Sid. T.)		Δ T at 10 p.m.	
	Observed			Corrected			1st beat	300th beat	Observed	Adopted
	3 a.m.	Noon	10 p.m.	3 a.m.	Noon	10 p.m.				
July 1	s. .00	s. +.15	s. +.12	s. +.03	s. +.04	s. +.05	h. m. s. 2 45 26.58	s. 19.83	.....	s. -14.648
2	+.12	+.14	+.13	+.04	-.01	+.04	48 13.06	06.31	-14.692	-14.687
3	+.12	+.11	+.14	+.03	+.02	+.02	52 57.70	50.95	.....	-14.719
4	+.12	+.10	+.11	.00	.00	+.01	57 43.52	36.77	.....	-14.734
5	+.13	+.11	+.08	+.02	+.01	-.01	3 01 30.74	24.01	.....	-14.752
6	+.08	+.12	+.13	-.02	+.01	+.03	04 19.40	12.65	.....	-14.782
7	+.11	+.12	+.12	.00	+.01	-.01	08 06.84	00.09	.....	-14.801
8	+.15	+.16	+.17	+.02	+.02	+.02	13 52.21	45.47	-14.812	-14.818
9	+.22	+.13	+.11	+.06	+.04	+.06	17 39.71	32.96	.....	-14.841
10	+.11	+.04	+.05	+.05	+.04	+.04	20 28.27	21.52	-14.846	-14.861
11	+.02	+.03	.00	+.02	+.01	-.01	23 16.64	09.89	.....	-14.897
12	+.01	+.02	+.02	+.01	-.02	-.02	27 03.78	57.03	.....	-14.935
13	-.01	+.03	-.01	-.03	-.02	-.01	31 49.78	43.02	-14.970	-14.968
14	-.02	+.02	-.02	-.03	+.01	-.04	35 36.73	29.98	.....	-14.995
15	-.03	+.08	+.09	-.04	+.02	-.01	40 22.23	15.48	.....	-15.023
16	+.05	+.06	+.03	-.03	+.01	-.01	44 06.60	01.85	.....	-15.040
17	+.02	+.04	+.03	-.02	-.01	-.03	48 53.83	47.08	.....	-15.048
18	+.02	+.03	.00	-.03	-.02	-.04	.....	.....	-15.060	-15.056
19	+.06	+.08	+.08	-.04	+.02	+.02	.....	.....	-15.050	-15.063
20	+.08	+.08	+.02	-.04	+.03	-.03	.....	.....	.....	-15.093
21	+.03	+.04	+.01	-.02	.00	-.01	4 04 01.85	55.10	.....	-15.118
22	+.01	.00	.00	-.02	-.02	-.03	.....	.....	-15.143	-15.146
23	+.01	+.05	+.03	-.01	-.04	-.02	11 37.04	30.29	.....	-15.179
24	+.01	.....	+.01	-.04	.....	-.04	20 16.98	10.23	.....	-15.206
25	+.01	+.04	+.06	-.02	-.02	.00	25 05.64	58.89	.....	-15.228
26	+.01	+.05	-59.97	-.04	-.02	.00	.....	.....	-15.238	-15.244
27	-60.00	+.05	+.05	-.03	+.02	+.02	27 46.67	39.92	.....	-15.254
28	+.03	+.07	+.07	-.01	-.01	-.02	31 34.82	28.07	.....	-15.271
29	+.07	+.07	+.03	-.02	-.02	-.04	35 23.40	16.65	-15.308	-15.286
30	+.07	+.05	+.08	-.01	-.02	.00	39 12.19	05.44	-15.255	-15.281
31	+.08	+.09	+.11	-.02	-.01	-.01	43 00.78	54.04	-15.292	-15.288
Aug. 1	+.11	+.10	+.07	-.02	.00	-.03	4 47.48.49	41.74	.....	-15.290
2	+.07	+.05	+.05	-.02	.00	-.02	50 38.78	32.03	.....	-15.288
3	+.05	+.05	+.02	-.01	+.01	-.01	54 28.24	21.49	-15.283	-15.284
4	+.04	-.02	.00	-.01	-.01	.00	58 18.19	11.44	.....	-15.271
5	-.02	+.03	-.02	-.01	+.05	+.01	5 04 07.48	00.73	.....	-15.257
6	-.03	+.05	+.04	-.02	+.01	.00	06 59.48	52.73	.....	-15.250
7	+.04	+.11	+.08	.00	+.02	.00	09 51.81	45.05	-15.238	-15.242
8	+.08	+.10	+.09	-.01	+.01	+.01	14 41.64	34.89	.....	-15.236
9	.....	.....	.....	.....	.....	.....	19 31.44	24.69	.....	-15.227
10	+.07	+.08	+.02	-.02	.00	-.03	.....	.....	-15.230	-15.221
11	+.02	.....	+.05	-.02	.....	+.01	27 16.35	09.60	-15.184	-15.197
12	+.01	+.02	+.02	-.02	-.01	-.01	30 09.80	03.05	.....	-15.189
13	.....	+.01	+.01	.....	-.01	.00	34 59.84	53.09	.....	-15.191
14	+.02	+.07	+.05	.00	-.01	-.03	38 50.51	43.76	-15.206	-15.196
15	+.03	+.03	+.04	-.03	-.01	.00	41 41.79	35.05	.....	-15.189
16	+.04	+.04	+.04	-.01	+.01	+.02	45 32.24	25.49	.....	-15.178
17	+.01	+.05	.....	+.01	+.01	.....	51 19.67	12.92	-15.155	-15.171
18	+.05	+.08	+.07	+.02	+.02	+.02	55 09.64	02.89	-15.191	-15.172
19	+.08	+.08	+.07	+.01	+.02	.00	58 00.89	54.14	-15.165	-15.176
20	+.07	+.07	+.06	+.01	+.01	+.01	6 01 51.27	44.52	-15.173	-15.177
21	+.05	+.12	+.07	.00	+.03	.00	06 40.36	33.61	-15.189	-15.186
22	+.09	+.04	+.07	-.01	-.02	.00	10 30.29	23.54	-15.179	-15.174
23	+.05	+.04	+.06	-.02	-.01	.00	13 21.55	14.80	.....	-15.164
24	+.05	+.11	+.10	-.01	+.02	+.04	23 04.43	57.68	-15.143	-15.148
25	+.10	+.06	+.05	.00	.00	-.02	21 59.97	53.22	-15.132	-15.150
26	+.06	+.10	+.04	-.01	+.06	-.02	26 48.57	41.82	-15.130	-15.139
27	+.05	+.07	+.07	-.03	.00	+.02	28 43.90	37.15	-15.155	-15.098
28	+.05	+.08	+.08	-.01	.00	-.01	33 34.95	28.20	-15.069	-15.077
29	+.07	+.08	+.07	-.02	.00	-.02	38 28.71	21.96	-15.036	-15.058
30	+.08	+.06	+.03	-.02	.00	-.03	41 24.15	17.40	.....	-15.048
31	+.05	+.02	.00	-.03	-.05	-.06	50 12.16	05.41	.....	-15.057

Date	Ottawa-Washington						Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed			Corrected			1st beat	300th beat	Observed	Adopted
	1925	3 a.m.	Noon	10 p.m.	3 a.m.	Noon					10 p.m.
	s.	s.	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Sept. 1	+01	.....	.00	-.06	.....	-.07	6 48 11.39	04.63	.....	-15.063
2	+02	+01	.00	-.06	-.06	-.07	53 01.74	54.99	.....	-15.060
3	+01	.....	+07	-.05	.....	-.05	7 03 44.08	37.33	-15.078	-15.043
4	+07	+05	+03	-.04	-.04	-.09	02 38.87	32.12	-14.985	-15.020
5	+04	+08	+08	-.02	-.02	-.01	05 29.19	22.43	.....	-15.011
6	+11	+07	+09	+02	-.04	-.02	09 17.00	10.25	.....	-15.006
7	+10	+10	+09	-.03	.00	-.01	13 07.15	00.40	.....	-15.003
8	+09	+09	+07	.00	-.01	-.01	16 56.64	49.89	-15.000	-15.004
9	+08	+07	+09	-.02	-.01	+02	20 45.88	38.63	.....	-14.998
10	+11	+10	+08	+01	+02	-.02	24 33.80	27.07	-15.010	-15.008
11	+08	+06	+07	-.01	-.02	-.02	28 23.45	16.71	.....	-15.025
12	.....	+07	+09	.....	.00	+01	33 11.86	05.13	.....	-15.008
13	+06	+09	+10	-.01	+01	+01	39 57.40	50.64	.....	-15.009
14	+08	+06	+07	.00	+01	+02	42 49.62	42.89	-14.994	-15.001
15	+07	+12	+06	+01	+02	+01	44 42.93	36.25	.....	-15.002
16	+04	+02	+02	-.01	-.01	-.01	47 36.35	29.67	.....	-15.001
17	+04	+03	+03	+02	+02	-.02	52 26.50	19.78	.....	-14.996
18	+02	+04	+03	.00	+02	.....	56 20.75	13.97	-14.948	-14.977
19	+03	+06	+06	+02	.00	+03	59 17.11	10.36	.....	-14.969
20	+07	+09	+08	+01	+01	+01	8 04 13.33	06.58	.....	-14.951
21	+10	+11	+08	+02	+02	-.02	08 11.67	04.92	-14.960	-14.942
22	+08	+08	.....	-.01	-.02	.....	14 07.14	00.39	-14.915	-14.921
23	+11	+13	+14	.00	+02	+02	.....	.....	.....	-14.903
24	+12	+09	+09	.00	+01	+01	20 06.82	00.07	-14.880	-14.887
25	+12	+08	+07	+01	.00	.00	23 05.99	59.24	-14.888	-14.872
26	+06	+08	+05	-.01	.00	.00	27 02.57	55.82	.....	-14.850
27	+05	+09	+09	-.01	+02	+02	32 05.18	58.37	.....	-14.821
28	+04	+10	+08	+02	+03	+04	.....	.....	.....	-14.788
29	+10	+04	+07	+04	+01	+04	39 12.57	05.91	.....	-14.758
30	+01	+11	+10	.00	+03	+03	43 18.34	11.69	-14.721	-14.730

Date 1925	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Oct. 1		+05		+02	20 44 28.53	21.84	-14.717	-14.700
2		+07		+01	47 30.67	23.99		-14.664
3	+05	+08	+02	+04	52 29.77	23.04	-14.619	-14.627
4	+08	+09	+02	+02	55 30.81	24.14		-14.590
5	+07	+11	-01	+02				-14.554
6		+04		-02	21 03 36.15	29.48	-14.525	-14.518
7	+03	00	+01	-02	07 41.71	35.04		-14.477
8	+02	00	00	00	09 48.64	41.99		-14.432
9	+03	+06	+01	-01	21 43.17	36.48		-14.385
10	+07	+07	+02	+03	21 49.38	42.72	-14.338	-14.338
11	+07	+05	+01	-01	23 52.38	45.69		-14.288
12	+05	+06	00	00	27 53.32	46.64	-14.243	-14.237
13	+07	+08	-01	-03	30 56.74	50.05	-14.177	-14.187
14		-01		-08	35 58.85	52.17		-14.147
15	+02	+05	00		42 57.62	50.94		-14.120
16		+03		-05	43 05.98	59.33		-14.102
17		00		-03	46 13.13	06.46	-14.087	-14.084
18	-01	+03	-03	-03	52 15.79	09.11		-14.063
19		+06			55 21.28	14.61		-14.039
20	+05	+10	-03	-04	22 02 21.75	15.08	-14.014	-14.007
21	+08	+12	+01	-04	06 26.41	19.75	-13.996	-13.970
22	+11	+14	+02	-01	06 34.27	27.60	-13.894	-13.929
23	+04	+09	+02	+03	11 36.57	29.89		-13.902
24	+10	+14	+04		17 36.90	30.21		-13.888
25	+11	+12	+05	00	20 40.61	33.93		-13.885
26	+09	+06	+01	-07	28 39.17	32.51		-13.881
27	+03	+05	-02	-01	28 48.78	42.11		-13.880
28	-01	+05	-02	-01	29 50.47	43.77	-13.875	-13.875
29	+03	+07	-01	-03	35 49.10	42.42	-13.887	-13.866
30	+03	+05	-01	-04	41 47.83	41.14	-13.842	-13.848
31	+04	+15	00	00	41 52.93	46.14		-13.827
Nov. 1	+08	+12	+03		22 48 48.71	42.02		-13.806
2	+10	+14	+02	+04	52 50.44	43.76		-13.785
3	+13	+14	+04	+04	54 53.17	46.48	-13.769	-13.761
4	+11	+16	+04	+06	58 55.49	48.80	-13.730	-13.731
5	+12	+13	+05	+04	23 07 51.29	44.61		-13.701
6	+10	+13	+04	+02	05 57.40	50.72	-13.669	-13.667
7	+18	+13	+03	+04	10 54.59	47.90		-13.635
8	+06	+12	+03		19 47.76	41.07		-13.601
9	+10	+12	+02	+03	18 59.39	52.72		-13.568
10	+12	+08	+03	-01	23 03.78	57.11	-13.532	-13.539
11	+10	+14	+03	+03	33 57.79	51.11	-13.516	-13.513
12	+10	+14	+04	+05	33 04.35	57.66		-13.488
13	+06	+12	+04	+04	35 14.76	08.12		-13.462
14	+08	+15	+05	+06	38 14.71	08.02		-13.434
15	+08	+12	+07	+06	45 11.70	05.02		-13.407
16	+05	+10	+08	+08	46 18.79	12.08		-13.381
17	+15	+15	+10	+05	51 18.08	11.40		-13.354
18	+15	+20	+06	+04	50 20.37	13.69		-13.327
19	+15	+17	+04	+04	0 00 08.69	01.98		-13.301
20	+17	+17	00	+01	03 05.31	58.63		-13.274
21	+20	+20	00	+02	06 06.30	59.62		-13.247
22	+10	+11	00	+01	13 01.33	54.65		-13.221
23	+08	+06	+01	+03	16 02.72	56.03		-13.193
24	+10	+14	+03	00	19 03.79	57.10		-13.164
25	+14	+13	+02	+06	22 05.54	58.88	-13.140	-13.131
26	+14	+18	+02		23 13.56	07.01		-13.091
27	+23	+13	+07	+04	31 16.45	09.74		-13.045
28	+23				34 08.87	02.16		-12.997
29	+17		+07		38 02.16	55.46		-12.950
30	+16	+17	+05	+07	38 00.73	54.03		-12.902

Date 1925	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	300th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Dec. 1	+·22	+·14	+·07	+·06	0 46 49·97	43·30		-12·855
2	+·13	+·15	+·06	+·08	49 45·52	38·81		-12·808
3	+·18	+·16	+·08	+·07	54 42·68	36·00		-12·761
4		+·13		+·06	54 46·23	39·54		-12·713
5	+·15		+·04		1 06 35·94	29·25		-12·666
6	+·12	+·07	+·08	+·06	06 39·52	32·83		-12·619
7	+·12	+·13	+·05	+·07	11 36·52	29·82		-12·572
8					12 39·54	32·86		-12·524
9	+·09	+·09	+·07	+·07	21 32·75	26·06		-12·477
10	+·07	+·07	+·06	+·07	21 36·56	29·87		-12·430
11	+·13	+·10	+·04	+·02	26 33·87	27·19		-12·383
12	+·12	+·12	+·03	+·04	32 30·84	24·15		-12·336
13	+·10	+·10	-·02	-·02	35 32·31	35·62		-12·289
14	+·10	+·09	-·04	-·03	36 36·65	29·96		-12·242
15	+·10	+·12	-·03	-·01	41 39·19	32·52	-12·195	-12·194
16	+·14	+·14	·00	+·03	52 34·16	27·48		-12·145
17	+·11	+·14	-·01	+·01	49 44·28	37·60		-12·095
18	+·01		-·02		52 45·76	39·06		-12·045
19	-·01	+·04	-·03	+·03	57 43·32	36·64		-11·995
20		·00		+·02	2 01 42·70	36·01		-11·944
21	+·07	-·01	+·08	+·05	04 42·97	36·28		-11·895
22	+·02	+·02	+·05	+·04	10 39·37	32·67		-11·845
23	-·06	-·05	+·01	+·02	13 38·78	32·10		-11·795
24		+·07		+·03	16 39·86	33·29		-11·744
25	+·07	+·10	+·10	+·05				-11·694
26	+·04	+·05	+·01	·00	23 45·63	38·94		-11·643
27		+·11		+·04	29 42·48	35·78		-11·583
28	+·08	+·05	+·02	+·01	34 41·40	34·70	-11·542	-11·531
29	+·07	+·07	·00	+·01	39 43·60	36·94	-11·458	-11·469
30	+·15	+·14	+·02	+·02	40 53·16	46·48		-11·412
31	+·14	+·18	-·01	+·02	44 53·71	47·03		-11·358

NAUEN

Time of 151st beat

Date 1925	151st beat	O—H	Date 1925	151st beat	O—H	Date 1925	151st beat	O—H
	19h. 3m.			19h. 3m.			19h. 3m.	
	s.	s.		s.	s.		s.	s.
Jan. 1.....	25.58	— .08	Feb. 1...	25.96	+ .03	Mar. 1...	25.75	— .04
2.....	25.66	— .07	2...	25.91	+ .07	2...	.....	.....
3.....	25.67	— .07	3...	25.76	+ .05	3...	25.83	+ .01
4.....	25.69	— .06	4.....	.....	.....	4...	25.79	+ .03
5.....	25.69	— .03	5...	25.68	+ .01	5...	25.76	+ .06
6.....	25.72	+ .01	6...	25.62	— .01	6.....	.....	.....
7.....	25.79	+ .03	7...	25.58	— .04	7...	25.73	+ .09
8.....	25.80	+ .10	8...	25.59	+ .01	8...	25.73	+ .05
9.....	25.79	+ .13	9...	25.74	+ .04	9...	25.76	+ .08
10.....	25.78	+ .06	10...	25.73	— .01	10.....	.....	.....
11.....	25.70	+ .14	11...	25.69	— .05	11.....	.....	.....
12.....	26.14	+ .16	12...	25.72	— .01	12...	25.88	+ .08
13.....	26.11	+ .08	13...	25.73	— .04	13.....	.....	.....
14.....	26.75	+ .70	14.....	.....	.....	14...	25.94	— .01
15.....	26.06	+ .03	15...	25.77	— .07	15...	25.86	— .04
16.....	26.14	— .02	16...	25.78	— .06	16...	25.81	— .09
17.....	26.10	+ .05	17...	25.80	— .06	17...	25.77	— .11
18.....	26.19	+ .07	18...	25.74	— .08	18...	25.86	— .07
19.....	26.34	+ .10	19...	25.66	— .11	19...	25.84	— .06
20.....	26.17	+ .09	20...	25.64	— .08	20.....	.....	.....
21.....	26.11	+ .06	21...	25.62	— .07	21...	25.95	— .05
22.....	25.97	— .00	22.....	.....	.....	22...	25.91	+ .02
23.....	25.85	— .01	23...	25.51	— .15	23...	25.74	— .14
24.....	25.68	— .07	24...	25.64	— .03	24...	25.76	— .00
25.....	25.66	— .09	25...	25.69	— .10	25...	25.80	+ .03
26.....	25.70	— .05	26...	25.73	— .08	26.....	.....	.....
27.....	25.72	— .04	27...	25.74	— .07	27...	25.92	+ .01
28.....	25.81	— .01	28...	25.75	— .09	28...	26.01	+ .09
29.....	25.99	+ .01				29...	26.02	+ .04
30.....	26.05	+ .08				30.....	.....	.....
31.....	26.06	+ .05				31...	26.05	+ .05

NAUEN

Time of 151st beat

Date 1925	151st beat	O—H	Date 1925	151st beat	O—H	Date 1925	151st beat	O—H
	19h. 3m.			19h. 3m.			7h. 3m.	
	s.	s.		s.	s.		s.	s.
April 1.....	25·89	+·01	May 1...	26·02	+·05	June 1...	25·79	-·05
2.....	25·82	+·01	2.....	.....	.....	2...	25·74	-·10
3.....	25·83	+·08	3...	26·00	+·01	3...	25·68	-·11
4.....	25·91	+·09	4...	25·96	+·01	4...	25·69	-·11
5.....	25·97	+·06	5.....	.....	.....	5.....	.....	.....
6.....	26·07	+·11	6.....	.....	.....	6...	25·83	-·07
7.....	26·08	+·03	7...	25·86	-·06	7...	25·79	-·12
8.....	.....	.....	8.....	.....	.....	8.....	.....	.....
9.....	25·98	+·01	9.....	.....	.....	9...	25·91	+·04
10.....	25·95	+·06	10.....	.....	.....	10...	25·95	+·04
11.....	25·88	+·01	11.....	.....	.....	11.....	.....	.....
12.....	.....	.....	12.....	.....	.....	12...	25·88	+·04
13.....	25·92	+·02	13...	25·97	+·06	13...	25·92	+·05
14.....	25·97	+·03	14...	25·91	+·09	14...	25·91	+·07
15.....	25·83	+·01	15...	25·90	+·05	15.....	.....	.....
16.....	25·77	-·01	16...	25·92	+·03	16...	25·84	+·09
17.....	25·74	+·04	17...	25·98	+·05	17.....	.....	.....
18.....	25·76	·00	18...	25·95	+·01	18...	25·87	+·13
19.....	25·86	+·02	19...	25·95	-·01	19...	25·83	+·11
20.....	25·84	+·03	20...	25·88	+·01	20...	25·79	+·11
21.....	25·78	-·01	21...	25·88	·00	21...	25·78	+·07
22.....	25·93	+·07	22...	25·92	+·06	22.....	.....	.....
23.....	25·89	+·02	23...	25·89	+·06	23...	25·89	+·07
24.....	.....	.....	24.....	.....	.....	24...	25·88	+·00
25.....	25·89	+·03	25...	25·92	+·06	25...	25·84	-·06
26.....	.....	.....	26...	25·88	+·02	26...	25·83	-·04
27.....	25·90	+·03	27...	25·91	+·07	27...	25·75	-·08
28.....	25·98	+·05	28.....	.....	.....	28.....	.....	.....
29.....	25·92	-·02	29...	25·89	+·06	29.....	.....	.....
30.....	25·90	-·01	30...	25·88	·00	30...	25·76	-·04
			31...	25·91	+·02			

NAUEN

Time of 151st beat

Date	151st beat	O-H	Date	151st beat	O-H	Date	151st beat	O-H			
	1925			7h 3m			1925		7h 3m	1925	7h 3m
July	1.....	25.87	-.05	Aug.	1....	25.80	+.02	Sept.	1....	27.74	-.05
	2.....	25.97	-.04		2....	25.74	.00		2....	27.62	-.07
	3.....				3....	25.75	.00		3....	25.71	-.04
	4.....				4....	25.84	+.06		4....	25.70	+.03
	5.....	25.99	-.13		5....	25.79	-.03		5....		
	6.....	26.03	-.09		6....	25.81	-.04		6....	25.62	-.01
	7.....	25.93	-.11		7....	25.81	-.03		7....	25.65	+.03
	8.....	25.85	-.07		8....	25.80	-.01		8....	25.73	+.04
	9.....	25.75	-.04		9....				9....		
	10.....	25.73	-.03		10....				10....	25.79	+.05
	11.....	25.77	.00		11....	25.72	-.06		11....	25.85	+.09
	12.....	25.76	-.02		12....	25.73	-.08		12....		
	13.....				13....	25.84	-.02		13....	25.86	+.07
	14.....	25.80	-.07		14....	25.85	-.03		14....		
	15.....	25.95	-.03		15....	25.85	-.03		15....		
	16.....	25.89	-.11		16....				16....		
	17.....	25.88	-.10		17....	25.94	-.02		17....		
	18.....				18....				18....		
	19.....				19....				19....		
	20.....				20....	25.83	.00		20....	25.76	-.02
	21.....	25.81	-.01		21....	25.76			21....	25.76	-.02
	22.....	25.80	-.05		22....	25.77	-.05		22....		
	23.....	25.87	-.05		23....	25.74	+.01		23....	25.84	-.01
	24.....	25.91	-.07		24....	25.72	-.04		24....	25.86	-.02
	25.....				25....	25.70	-.01		25....	25.88	+.04
	26.....	25.96	-.05		26....	25.68	-.02		26....	25.83	-.02
	27.....				27....				27....		
	28.....	25.96	+.02		28....	25.72	-.06		28....	25.88	+.02
	29.....	25.85	-.03		29....	25.78	-.05		29....	25.84	+.02
	30.....	25.82	-.01		30....	25.80	+.01		30....		
	31.....	25.84	-.01		31....	25.72	-.07				

NAUEN

Time of 151st beat

Date	151st beat	O-H	Date	151st beat	O-H	Date	151st beat	O-H
1925	19h 3m		1925	19h 3m		1925	19h 3m	
	s.	s.		s.	s.		s.	s.
Oct. 1.....	25.79	--09	Nov. 1....	25.79	--01	Dec. 1....	25.83	+0.12
2.....	25.91	--05	2....	25.84	+0.06	2.....	.....	.....
3.....	25.81	--05	3....	25.88	+0.01	3....	25.91	+0.10
4.....	.....	.....	4....	25.82	+0.06	4....	26.01	+0.13
5.....	.....	.....	5....	25.83	+0.02	5....	25.98	+0.06
6.....	25.64	--04	6....	25.85	+0.05	6....	26.08	+0.09
7.....	25.67	--04	7....	25.80	--01	7....	25.91	--04
8.....	25.56	--08	8.....	.....	.....	8....	25.82	--04
9.....	25.61	--06	9.....	.....	.....	9....	25.83	--12
10.....	25.90	+0.04	10.....	.....	.....	10....	25.84	--02
11.....	25.71	--07	11....	25.91	+0.08	11....	25.75	--08
12.....	25.73	--03	12....	25.86	+0.05	12....	25.81	.00
13.....	25.71	--08	13....	25.86	+0.03	13....	25.79	.00
14.....	.....	.....	14....	25.86	+0.08	14....	25.83	--09
15.....	.....	.....	15....	25.91	+0.03	15....	25.97	+0.07
16.....	25.62	--15	16....	25.94	.00	16....	26.02	+0.07
17.....	25.65	--08	17....	25.82	--01	17....	25.90	+0.01
18.....	25.58	--13	18....	25.81	+0.01	18....	25.82	+0.03
19.....	25.47	--13	19....	25.81	+0.03	19....	25.90	+0.04
20.....	25.62	--13	20....	25.81	+0.03	20....	25.87	+0.05
21.....	25.85	--02	21....	25.69	--06	21....	25.87	+0.05
22.....	25.84	--04	22....	25.74	--01	22....	25.98	+0.04
23.....	25.91	+0.03	23....	25.83	--06	23....	25.79	--03
24.....	.....	.....	24....	25.74	--08	24....	25.77	--04
25.....	25.96	+0.04	25....	25.75	--07	25....	25.85	--06
26.....	25.91	+0.06	26....	25.69	--09	26.....	.....	.....
27.....	25.99	+0.10	27....	25.68	--02	27....	25.83	--02
28.....	.....	.....	28.....	.....	.....	28....	25.91	+0.04
29.....	25.91	+0.02	29.....	.....	.....	29....	25.85	--05
30.....	25.80	--01	30....	25.80	+0.08	30....	25.74	--12
31.....	25.79	.00				31.....	.....	.....

SAN DIEGO

Time of last beat (G.C.T.)

Date 1925	Last beat	O-W	Date 1925	Last beat	O-W	Date 1925	Last beat	O-W
	5h 59m			5h 59m			5h 59m	
May 1.....			June 1.....			July 1.....	39.00	+04
2.....			2.....			2.....	38.72	+08
3.....			3.....	53.44	-03	3.....	38.68	.....
4.....			4.....	52.53	.00	4.....	38.48	+04
5.....			5.....	51.36	.00	5.....	38.36	+02
6.....			6.....	50.30	-02	6.....	38.20	+02
7.....			7.....	49.60	.00	7.....	37.98	+01
8.....			8.....			8.....	37.70	+05
9.....			9.....	48.05	+02	9.....	37.44	+06
10.....			10.....	47.52	+10	10.....	37.21	+06
11.....			11.....	47.06	+06	11.....	36.86	+02
12.....			12.....	46.82	+08	12.....		
13.....			13.....	46.36	+05	13.....	36.40	
14.....			14.....	45.77	+08	14.....	36.51	
15.....			15.....	45.14		15.....	36.79	-02
16.....	56.37	+04	16.....	44.41	+04	16.....	36.77	.00
17.....			17.....	43.70	+06	17.....	36.85	-02
18.....			18.....	42.83	+03	18.....	36.92	-01
19.....	55.61	+01	19.....			19.....		
20.....			20.....			20.....		
21.....			21.....			21.....	37.41	-02
22.....	56.42	+04	22.....	40.70	+05	22.....	37.27	+03
23.....	56.56	+06	23.....	40.18		23.....	37.15	-02
24.....			24.....	39.76	+06	24.....	36.95	-01
25.....			25.....	39.37	+03	25.....	36.67	+01
26.....	56.46	+04	26.....			26.....	36.46	
27.....	56.52	+04	27.....	39.20	+02	27.....	36.46	
28.....	56.73	+06	28.....			28.....	36.36	+02
29.....	56.59	+07	29.....			29.....	36.39	+02
30.....	56.25	+06	30.....	39.09	+04	30.....	36.14	
31.....						31.....	35.76	.00

SAN DIEGO

Time of last beat (G.C.T.)

Date 1925	Last beat	O-W	Date 1925	Last beat	O-W
	5h 59m			5h 59m	
Aug. 1.....			Sept. 1.....		
2.....	35.17	-01	2.....		
3.....	35.07	+02	3.....	24.63	
4.....	34.94	+02	4.....	24.39	
5.....	34.74	+01	5.....	24.11	
6.....	34.48	+02	6.....	23.78	.00
7.....	34.10	.00	7.....		
8.....	33.99	+01	8.....	23.26	-03
9.....			9.....	23.03	
10.....			10.....	22.91	+02
11.....	32.87	-01	11.....	22.47	+03
12.....			12.....	22.14	.00
13.....	32.16	.00	13.....	22.08	
14.....	31.84	+02	14.....	21.65	+03
15.....	31.56	.00	15.....	21.24	.00
16.....			16.....	20.82	
17.....	30.86	+02	17.....		
18.....			18.....	20.15	
19.....	30.12	+02	19.....	19.72	+01
20.....	29.82	+02	20.....	19.40	+04
21.....	29.47		21.....	19.15	+04
22.....	29.09	+01	22.....	18.67	-01
23.....	28.71		23.....	18.15	-01
24.....	28.31	+02	24.....	17.62	+01
25.....	27.94	-04	25.....	17.11	+04
26.....	27.58	-01	26.....	16.63	+03
27.....	27.24		27.....		
28.....	26.91	-01	28.....		
29.....	26.46	.00	29.....	15.31	+03
30.....	26.05		30.....		
31.....	25.60	-02			

Date 1926	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	306th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
Jan. 1.....	+·13	+·11	+·01	+·01	2 43 50·13	50·95	.....	-11·306
2.....	+·13	+·14	+·02	+·03	47 46·71	47·53	.....	-11·269
3.....	+·10	+·08	+·02	+·05	51 43·30	44·12	.....	-11·211
4.....	.....	+·12	.....	+·07	55 39·87	40·69	.....	-11·147
5.....	.....	+·06	.....	+·04	59 36·38	37·20	.....	-11·111
6.....	+·05	+·03	+·04	+·05	3 03 32·93	33·75	.....	-11·078
7.....	+·04	+·03	+·05	-·02	07 29·47	30·29	-11·010	-11·018
8.....	+·08	+·08	+·01	-·01	11 26·05	26·87	.....	-10·978
9.....	+·06	+·08	-·01	·00	15 22·60	23·42	-10·923	-10·945
10.....	+·06	·00	-·05	-·08	19 19·15	19·97	.....	-10·930
11.....	+·02	+·08	-·10	-·02	23 15·72	16·54	.....	-10·883
12.....	+·06	+·05	-·09	-·05	27 12·31	13·13	-10·895	-10·843
13.....	+·02	+·05	-·07	-·05	31 08·90	09·72	-10·729	-10·737
14.....	+·05	+·09	-·04	+·01	35 05·52	06·34	.....	-10·616
15.....	+·13	+·14	+·01	+·02	39 02·05	02·87	-10·501	-10·527
16.....	+·08	+·09	-·04	+·01	42 58·60	59·42	.....	-10·447
17.....	+·10	+·07	-·01	-·03	.....	.....	.....	-10·391
18.....	+·07	+·05	-·04	-·05	.....	.....	.....	-10·333
19.....	+·01	-·01	-·05	-·08	54 48·19	49·01	.....	-10·282
20.....	-·03	-·06	-·06	-·05	58 44·36	45·58	-10·201	-10·192
21.....	-·04	-·07	-·05	-·05	4 02 41·37	42·19	.....	-10·116
22.....	-·02	-·04	-·05	-·03	06 37·93	38·75	.....	-10·039
23.....	+·07	+·07	-·05	-·02	10 34·49	35·31	.....	-9·962
24.....	+·07	+·01	-·03	-·08	14 31·05	31·87	-9·865	-9·902
25.....	+·04	+·07	-·08	-·07	18 27·60	28·42	.....	-9·830
26.....	+·08	+·09	-·04	-·02	22 24·16	24·98	.....	-9·749
27.....	+·08	+·08	-·04	-·03	26 20·71	21·53	-9·728	-9·708
28.....	+·06	+·11	-·06	-·03	30 17·27	18·09	.....	-9·660
29.....	+·15	+·16	·00	·00	34 13·84	14·66	.....	-9·576
30.....	+·08	+·08	-·02	·00	38 10·43	11·25	.....	-9·493
31.....	+·13	+·10	+·06	+·03	42 07·03	07·85	.....	-9·406
Feb. 1.....	+·14	+·13	+·02	+·04	4 46 03·60	04·42	.....	-9·353
2.....	+·13	+·08	+·07	+·05	50 00·19	01·01	-9·249	-9·285
3.....	+·09	+·10	+·03	+·06	53 56·73	57·55	.....	-9·245
4.....	+·08	+·08	+·04	+·03	57 53·27	54·09	-9·239	-9·206
5.....	+·17	+·14	+·01	+·08	5 01 49·84	50·66	-9·154	-9·156
6.....	+·10	+·11	+·01	+·03	05 46·42	47·24	.....	-9·095
7.....	+·09	+·11	+·02	+·03	09 42·97	43·79	-9·045	-9·029
8.....	+·15	+·11	+·04	+·05	13 40·04	40·86	-8·947	-8·960
9.....	+·13	+·13	+·04	+·02	.....	.....	-8·914	-8·905
10.....	+·12	.....	+·04	.....	21 32·63	33·45	-8·862	-8·849
11.....	+·08	+·03	-·02	-·03	25 29·17	29·99	-8·785	-8·788
12.....	+·07	+·06	-·01	+·03	29 25·70	26·52	-8·684	-8·726
13.....	+·02	-·02	+·01	+·01	33 22·26	23·08	-8·635	-8·675
14.....	-·01	-·02	·00	+·01	37 18·83	19·65	.....	-8·617
15.....	+·04	+·03	-·02	-·01	41 15·34	16·16	.....	-8·566
16.....	+·08	+·08	+·03	+·03	45 11·86	12·68	-8·491	-8·495
17.....	+·08	+·06	+·03	+·02	49 8·35	09·17	.....	-8·437
18.....	+·08	+·05	+·01	+·01	53 4·88	05·70	.....	-8·379
19.....	+·04	+·06	-·02	+·02	57 1·46	02·28	.....	-8·321
20.....	+·03	·00	·00	-·01	6 00 57·97	58·79	.....	-8·263
21.....	+·03	-·01	-·03	-·05	04 54·54	55·36	.....	-8·204
22.....	-·01	+·02	-·06	-·06	08 50·93	51·75	.....	-8·146
23.....	+·03	+·04	-·02	-·03	12 47·53	48·35	.....	-8·089
24.....	+·04	+·04	-·04	-·06	16 44·11	44·93	-8·032	-8·041
25.....	+·03	+·04	-·06	-·02	20 40·67	41·49	.....	-7·987
26.....	+·04	+·04	-·03	-·04	24 37·27	38·09	.....	-7·944
27.....	.....	-·06	.....	-·06	28 33·85	34·67	-7·780	-7·882
28.....	-·01	-·03	-·04	-·04	32 30·65	31·47	.....	-7·805

Date 1926	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	306th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
Mar. 1	s. +.01	s. +.02	s. -.06	s. -.02	h. m. s. 6 36 27.00	s. 27.82	s.	s. -7.704
2	.....	.....	.....	.....	40 23.57	24.39	.....	-7.634
3	+ .13	.....	-.01	.....	44 20.11	20.93	-7.543	-7.582
4	+ .07	+ .05	-.06	-.08	48 16.64	17.46	-7.543	-7.543
5	+ .07	.....	-.07	.....	52.13.15	13.97	-7.553	-7.498
6	+ .09	-.04	-.11	-.13	.....	.....	.....	-7.422
7	+ .07	+ .02	-.04	-.12	7 00 06.28	07.10	.....	-7.319
8	+ .03	.....	-.11	.....	04 02.90	03.72	.....	-7.202
9	+ .02	+ .05	-.08	-.05	07 59.47	00.29	.....	-7.088
10	.....	+ .11	.....	+ .02	11 56.08	56.90	-6.969	-6.979
11	+ .08	+ .08	+ .01	+ .04	15 52.66	53.48	.....	-6.876
12	+ .08	+ .09	+ .02	+ .04	19 49.16	49.98	-6.779	-6.773
13	+ .10	+ .08	+ .07	+ .04	23 45.71	46.53	-6.683	-6.659
14	+ .12	+ .11	+ .04	+ .02	27 42.25	43.07	.....	-6.525
15	+ .14	+ .11	+ .02	+ .03	31 38.83	39.65	-6.383	-6.374
16	+ .09	+ .06	.00	+ .01	35 35.33	36.15	.....	-6.211
17	+ .06	+ .06	.00	.00	39 31.84	32.66	.....	-6.066
18	+ .09	+ .06	.00	-.02	.....	.....	.....	-5.892
19	+ .06	-.09	-.01	-.15	47 24.92	25.74	.....	-5.722
20	+ .06	+ .06	-.02	-.02	51 21.41	22.23	-5.532	-5.513
21	-.01	+ .06	-.14	-.05	55 18.00	18.82	.....	-5.319
22	+ .11	+ .09	-.01	-.03	59 14.56	15.38	.....	-5.119
23	+ .12	.....	-.03	.....	.....	.....	.....	-4.890
24	.....	+ .10	.....	+ .01	8 07 07.70	08.52	-4.679	-4.683
25	+ .10	.....	+ .01	.....	11 04.29	05.11	-4.444	-4.442
26	+ .12	+ .14	+ .05	+ .05	.....	.....	.....	-4.237
27	+ .11	+ .08	+ .06	+ .05	18 57.41	58.23	.....	-4.069
28	+ .07	+ .06	+ .03	.03	22 53.93	54.75	.....	-3.932
29	+ .04	+ .00	-.01	-.03	26 50.38	51.20	-3.806	-3.806
30	+ .02	+ .04	-.03	-.02	30 47.00	47.82	-3.646	-3.650
31	+ .02	+ .03	-.06	-.03	34 43.53	44.35	.....	-3.493
April 1	+ .02	+ .05	-.05	-.01	8 38 40.07	40.89	.....	-3.348
2	+ .09	+ .08	-.01	-.03	42 36.60	37.42	.....	-3.185
3	+ .08	+ .07	-.04	.00	46 33.13	33.95	.....	-3.034
4	+ .10	+ .08	-.02	-.03	50 29.64	30.46	.....	-2.876
5	+ .12	.....	-.01	.....	54 26.21	27.03	-2.722	-2.720
6	+ .10	+ .07	-.01	+ .01	58 22.74	23.56	-2.558	-2.561
7	+ .09	+ .07	+ .01	+ .01	9 02 19.30	20.12	.....	-2.394
8	+ .08	+ .05	+ .02	+ .01	06 15.90	16.72	.....	-2.233
9	-.02	+ .00	-.03	+ .02	10 12.45	13.27	-2.101	-2.101
10	+ .05	+ .04	+ .03	-.02	14 08.97	09.79	.....	-1.947
11	+ .05	+ .04	+ .02	+ .02	18 05.71	06.53	-1.788	-1.782
12	+ .03	+ .06	+ .01	+ .02	22 02.26	03.08	-1.608	-1.623
13	+ .17	+ .05	+ .17	+ .05	25 58.82	59.64	-1.474	-1.466
14	+ .09	+ .10	+ .04	+ .04	39 55.42	56.24	.....	-1.307
15	+ .24	.....	+ .03	.....	33 51.96	52.78	-1.147	-1.148
16	+ .25	+ .27	.00	.00	37 48.51	49.33	.....	-0.987
17	+ .22	+ .17	-.02	-.03	41 45.03	45.85	.....	-0.826
18	+ .09	+ .10	-.01	+ .01	45 41.54	42.36	.....	-0.662
19	+ .08	+ .05	+ .02	.00	49 38.10	38.92	-0.506	-0.495
20	+ .11	+ .07	+ .01	+ .01	53 34.68	35.50	-0.313	-0.323
21	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	+ .04	.....	+ .02	.....	.....	-0.174	-0.174
23	+ .02	.00	+ .02	.00	10 05 24.35	25.17	-0.133	-0.136
24	+ .11	+ .08	+ .02	.00	09 20.89	21.71	.....	-0.101
25	+ .08	+ .08	-.01	+ .02	13 17.51	18.33	.....	-0.067
26	+ .07	+ .05	+ .02	+ .04	17 14.03	14.85	.....	-0.042
27	+ .07	+ .10	-.07	+ .01	21 10.63	11.45	-0.001	-0.032
28	+ .09	+ .13	+ .01	+ .03	25 07.17	07.99	.....	-0.036
29	+ .14	+ .12	+ .06	+ .06	29 03.81	04.63	-0.075	-0.036
30	+ .14	+ .11	+ .05	+ .06	33 00.31	01.13	.....	-0.020

Date 1926	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	306th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
May 1	+·15	+·14	+·06	+·06	10 36 56.90	57.72	+0.025	+0.008
2	+·12	+·09	+·04	+·06	40 53.54	54.36	.....	+0.033
3	+·11	+·07	+·06	+·06	44 50.04	50.86	.....	+0.048
4	+·12	+·09	+·02	+·02	48 46.58	47.40	+0.061	+0.057
5	+·12	+·07	+·03	-·01	52 43.11	43.93	+0.062	+0.067
6	+·04	+·02	-·02	-·02	56 39.67	40.49	+0.075	+0.077
7	+·03	.00	-·01	-·03	11 00 36.17	36.99	+0.096	+0.090
8	+·03	.....	-·03	.....	04 32.72	33.54	+0.093	+0.103
9	.....	+·01	.....	-·05	08 29.29	30.11	.....	+0.122
10	-·03	.00	-·03	-·04	02 25.81	26.63	.....	+0.145
11	+·02	+·03	-·03	.00	16 22.35	23.17	.....	+0.175
12	+·06	+·08	.00	+·01	20 18.96	19.78	+0.197	+0.214
13	+·07	+·08	+·02	+·05	24 15.54	16.36	.....	+0.247
14	+·04	.00	+·01	+·02	28 12.13	12.95	+0.327	+0.296
15	+·10	.....	+·04	.....	32 08.58	09.40	+0.323	+0.324
16	+·10	+·06	+·03	-·01	36 05.05	05.87	+0.334	+0.341
17	+·05	+·08	+·04	+·05	40 01.57	02.39	.....	+0.366
18	+·17	+·15	+·05	+·01	43 58.15	58.97	+0.405	+0.390
19	+·13	+·13	+·02	+·01	47 54.68	55.50	.....	+0.404
20	+·13	+·09	.00	-·02	51 51.23	52.05	+0.412	+0.406
21	+·04	.....	-·03	.....	55 47.73	48.55	.....	+0.383
22	-·03	.00	-·09	-·07	59 44.26	45.08	.....	+0.368
23	-·01	-·03	-·05	-·07	12 03 40.80	41.62	.....	+0.355
24	+·06	+·07	-·03	-·03	07 37.43	38.25	.....	+0.349
25	+·05	+·08	-·03	+·02	11 33.99	34.81	+0.343	+0.347
26	+·09	+·15	+·03	+·05	15 30.60	31.42	.....	+0.336
27	+·17	+·20	+·06	+·09	19 27.25	28.07	+0.354	+0.315
28	+·17	+·14	+·04	+·04	23 23.85	24.47	+0.247	+0.267
29	+·12	+·15	+·02	+·06	27 20.26	21.08	.....	+0.236
30	+·07	+·08	-·02	-·02	31 16.81	17.63	.....	+0.205
31	+·03	+·07	-·04	-·01	35 13.37	14.19	.....	+0.183
June 1	+·05	.....	-·05	.....	12 39 09.94	10.76	.....	+0.138
2	+·04	-·03	-·02	-·01	43 06.50	07.32	.....	+0.115
3	+·11	+·10	+·03	+·05	47 03.11	03.93	.....	+0.111
4	+·20	+·10	+·08	-·05	50 59.71	00.53	+0.099	+0.083
5	+·23	+·11	+·12	.00	54 56.24	57.06	.....	+0.019
6	+·14	+·18	+·03	+·08	58 52.79	53.61	.....	-0.024
7	+·13	+·16	+·09	+·11	13 02 49.36	50.18	.....	-0.071
8	+·11	+·10	+·07	+·06	06 45.89	46.71	.....	-0.128
9	+·12	+·12	+·04	+·03	10 42.31	43.13	.....	-0.170
10	+·09	+·08	+·01	+·01	14 38.83	39.65	-0.214	-0.194
11	+·06	+·09	-·01	.00	18 35.40	36.22	-0.204	-0.206
12	+·10	+·09	+·04	+·02	22 31.93	32.75	.....	-0.216
13	+·06	+·08	.00	+·03	26 28.53	29.35	.....	-0.226
14	+·06	+·05	+·01	+·02	30 25.15	25.97	.....	-0.238
15	+·05	+·05	+·04	+·05	34 21.75	22.57	-0.244	-0.252
16	+·09	+·11	+·03	+·03	38 18.31	19.13	-0.273	-0.276
17	+·07	+·09	+·02	+·03	42 14.90	15.72	.....	-0.286
18	+·07	+·05	+·04	+·02	46 11.49	12.31	.....	-0.327
19	+·11	+·14	+·04	+·06	50 08.04	08.86	.....	-0.343
20	+·14	+·11	+·05	+·03	54 04.64	05.46	.....	-0.353
21	+·07	+·08	+·02	.00	58 01.18	02.00	.....	-0.388
22	+·09	+·10	+·01	.00	14 01 57.76	58.58	-0.412	-0.400
23	+·08	+·11	-·04	-·04	05 54.25	55.07	.....	-0.414
24	+·04	+·04	-·07	-·07	09 50.82	51.64	-0.422	-0.407
25	+·13	+·05	-·06	-·01	13 47.42	48.24	-0.349	-0.369
26	+·01	+·02	-·01	-·02	17 43.98	44.80	.....	-0.355
27	+·06	+·08	-·03	+·01	21 40.53	41.35	-0.339	-0.346
28	+·04	.....	-·05	.....	25 37.05	37.87	.....	-0.343
29	+·01	+·03	-·07	-·03	29 33.61	34.43	-0.359	-0.370
30	+·02	+·03	-·04	-·03	33 30.12	30.94	.....	-0.411

Date 1926	Ottawa-Washington				Bordeaux (G. Sia. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	306th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
July 1.....	.00	+02	-.05	-.04	14 37 26.66	27.48		-0.456
2.....	+03	.00	-.03	-.05	41 23.21	24.03		-0.500
3.....	-.12	+02	-.16	.00	45 19.81	20.63	-0.553	-0.537
4.....	-.01		-.03		49 16.39	17.21		-0.562
5.....	+03	+02	+01	+01	53 12.98	13.80		-0.575
6.....	+05	.00	+02	.00	57 09.52	10.34	-0.592	-0.577
7.....	+04	+04	-.04	-.03	15 01 06.05	06.87	-0.570	-0.568
8.....	.00	+02	-.06	-.05	05 02.58	03.40		-0.554
9.....	+02	+02	-.06	-.06	08 59.14	59.96		-0.536
10.....	-.03	+01	-.09	-.07				-0.522
11.....	+01	+03	-.06	-.04	16 52.25	53.07	-0.502	-0.514
12.....	+02	+01	-.05	-.04	20 48.87	49.69	-0.513	-0.512
13.....	+02	-.02	-.05	-.06	24 45.32	46.14	-0.519	-0.510
14.....	-.01	-.01	-.06	-.05	28 41.89	42.71		-0.505
15.....	-.04	-.01	-.05	-.02			-0.495	-0.496
16.....	-.01	-.01	-.06	-.02	36 35.05	35.87	-0.483	-0.487
17.....	.00	+01	-.05	+01	40 31.56	32.38		-0.481
18.....	-.03	-.02	-.03	-.03	44 28.13	28.95		-0.477
19.....	-.05	-.05	-.03	-.02	48 24.65	25.47		-0.474
20.....	+08	+04	-.02	-.06	52 21.20	22.02		-0.472
21.....	+04	+05	-.06	-.05	56 17.77	18.59	-0.468	-0.471
22.....	+01		-.09		16 00 14.36	15.18		-0.474
23.....	+02	+02	-.08	-.07	04 10.96	11.78	-0.476	-0.480
24.....	+01	+02	-.08	-.07	08 07.53	08.35		-0.489
25.....	+04	+02	-.06	-.07	12 04.03	04.85	-0.502	-0.499
26.....	+04	+03	-.08	-.07	16 00.65	01.47	-0.504	-0.499
27.....	+03	+04	-.07	-.06	19 57.23	58.05	-0.495	-0.509
28.....	+01	+04	-.07	-.04	23 53.80	54.62		-0.527
29.....	+03	+03	-.04	-.04	27 50.88	51.20		-0.553
30.....	-.02	-.02	-.05	-.05	31 46.92	47.74		-0.579
31.....	+02	-.03	-.02	-.04	35 43.46	44.28		-0.594
Aug. 1.....	-.03	-.03	-.03	-.04				-0.620
2.....	+04	+04	-.01	-.03	16 43 36.54	37.36	-0.642	-0.652
3.....	+05	+04	-.03	-.05	47 33.07	33.89		-0.692
4.....	+06	+04	-.06	-.05	51 29.60	30.42	-0.735	-0.738
5.....	+03	-.01	-.08	-.11			-0.791	-0.808
6.....	+01	+03	-.09	-.07				-0.836
7.....	.00	.00	-.11	-.11	17 03 19.23	20.05		-0.929
8.....	-.03	-.05	-.14	-.14	07 15.79	16.61	-0.984	-0.987
9.....	+05	-.07	-.03	-.12	11 12.33	13.15	-1.015	-1.041
10.....	-.09	-.06	-.14	-.14	15 08.89	09.71		-1.107
11.....	-.07	-.12	-.12	-.13	19 05.49	06.31	-1.198	-1.181
12.....	-.05	-.06	-.13	-.13	23 02.01	02.83		-1.255
13.....	-.08	-.06	-.14	-.11	26 58.58	59.40	-1.305	-1.329
14.....	-.04	-.02	-.12	-.10	30 55.09	55.91	-1.426	-1.410
15.....	-.03	-.02	-.12	-.11	34 51.67	52.49	-1.494	-1.488
16.....	-.02	-.01	-.13	-.13	38 48.19	49.01		-1.563
17.....	-.09	-.03	-.15	-.11	42 44.75	45.57	-1.632	-1.631
18.....	-.10	-.05	-.14	-.11	46 41.29	42.11		-1.716
19.....	-.04	-.02	-.10	-.08	50 37.83	38.65	-1.769	-1.773
20.....	-.08	-.05	-.10	-.09	54 34.43	35.25		-1.836
21.....	-.09	-.04	-.10	-.05	58 31.00	31.82		-1.898
22.....	-.04	-.01	-.06	-.03				-1.957
23.....	+05	+07	-.04	-.01	18 06 24.11	24.93		-2.010
24.....	+06	+08	-.04	-.03	10 20.66	21.48	-2.051	-2.076
25.....	+04	+06	.00	.00	14 17.23	18.05		-2.160
26.....	+09	+06	.00	-.05	18 13.78	14.60		-2.254
27.....	+09	+06	+02	-.03	22 10.36	11.18	-2.363	-2.343
28.....	+08	+10	-.03	.00	26 06.88	07.70		-2.414
29.....	+05	+08	-.03	-.02	30 03.37	04.19		-2.494
30.....	+06		-.03		33 59.99	00.81	-2.542	-2.553
31.....	-.01	+04	-.09	-.09	37 56.47	57.29		-2.604

Date 1926	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	306th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
	s.	s.	s.	s.	h. m. s.	s.	s.	s.
Sept. 1	+01	+01	-10	-11	18 41 53.02	53.84	-2.667	-2.679
2	-02	+02	-13	-12	45 49.55	50.37	-2.743	-2.725
3	+03	00	-12	-13	49 46.07	46.89		-2.780
4	+04		-12					-2.820
5	+01	+02	-13	-17	57 39.16	39.98		-2.867
6	+06		-08		19 01 35.73	36.55		-2.897
7	+08	+06	-13	-11	05 32.28	33.10		-2.938
8	-01	+04	-12	-06	09 28.90	29.72		-2.961
9	+02	+06	-11	-06	13 25.50	26.32	-3.013	-2.998
10	+07	+10	-11	-04	17 22.06	22.88	-2.999	-3.032
11	+08	+19	-01	+02	21 18.64	19.46		-3.069
12	+08	+10	-01	-01	25 15.19	16.01		-3.134
13	+09	+06	-01	-05	29 11.71	12.53	-3.190	-3.196
14	+08	+04	-03	-02	33 08.28	09.10	-3.281	-3.262
15	+06	+07	-06	-04	37 04.83	05.65		-3.318
16	+12	+13	-01	-03	41 01.41	02.23		-3.357
17	+09	+07	+01	00	44 58.03	58.85		-3.395
18	+06	+09	-02	+01	48 54.48	55.30	-3.425	-3.440
19	+04	+05	-01	-03	52 51.05	51.87		-3.492
20	+10	+09	-01	-03	56 47.60	48.42		-3.549
21	+08	+09	-02	-02	20 00 44.18	45.00	-3.600	-3.587
22	+09	+05	-03	-05	04 40.78	41.60		-3.627
23	+05	+05	-03	-01	08 37.35	38.17		-3.653
24	+03	+04	-03	-03	12 33.92	34.74		-3.683
25	+05	+05	00	-01	16 30.51	31.33		-3.706
26	+02	+07	-03	+03	20 27.10	27.92		-3.724
27	+11	+10	00	-02	24 23.67	24.49		-3.748
28	+10	+11	+01	-01	28 20.22	21.04	-3.765	-3.770
29	+08	+09	-02	00	32 16.74	17.56		-3.808
30	+08	+03	-01	-04	36 13.27	14.09	-3.826	-3.839
Oct. 1	+06	+05	-05	-05	20 40 09.83	10.65		-3.868
2	+06	+08	-05	-05	44 06.32	07.14	-3.909	-3.894
3	+01	+04	-05	-05	48 02.87	03.69	-3.930	-3.914
4	+03	+02	-04	-03	51 59.39	00.21	-3.919	-3.932
5	+01	+02	-04	-01	55 56.02	56.84		-3.970
6	+05	+04	-04	-05	59 52.54	53.36	-4.026	-4.000
7	+05	+07	-03	00	21 03 49.15	49.97	-3.982	-4.002
8	+08	+07	+03	-01	07 45.62	46.44	-4.013	-4.017
9	+09	+09	+03	00	11 42.20	43.02	-4.011	-4.030
10	+12	+11	-01	+02	15 38.71	39.53		-4.064
11	+16	+14	-01	+01	19 35.24	36.06	-4.142	-4.106
12	+09	+09	-02	-02	23 31.77	32.59	-4.101	-4.129
13	+10	+08	-04	-03	27 28.28	29.10	-4.164	-4.159
14	00	+01	-08	-09	31 24.79	25.61		-4.195
15	-04		-13		35 21.35	22.17	-4.225	-4.215
16	-01	+02	-11	-14	39 17.88	18.70		-4.219
17	-01	+02	-12	-06	43 14.51	15.33	-4.211	-4.222
18	00	+01	-09	-10	47 11.05	11.87	-4.210	-4.223
19	-04	+01	-08	-05	51 07.69	08.51	-4.232	-4.244
20	+02	+03	-04	-07	55 04.22	05.04		-4.266
21	+02	+02	-09	-05	59 00.82	01.64	-4.296	-4.285
22	00	+09	-06	-06	22 02 57.40	58.23	-4.318	-4.309
23	+09	+07	-06	-02	06 53.99	54.81	-4.313	-4.316
24	+05	-01	-03	-05	10 50.52	51.34		-4.336
25	+09	+08	-03	-03	14 47.18	48.00	-4.353	-4.346
26	+06	+05	-02	-06	18 43.69	44.51		-4.376
27	00	-01	-09	-07	22 40.10	40.92	-4.396	-4.404
28	+02	00	-07	-10	26 36.71	37.53		-4.426
29	-02	-02	-08	-09	30 33.26	34.08	-4.466	-4.446
30	-01	-01	-09	-06	34 29.84	30.66		-4.454
31	+01	-02	-08	-09	38 26.38	27.20	-4.457	-4.460

Date 1926	Ottawa-Washington				Bordeaux (G. Sid. T.)		ΔT at 10 p.m.	
	Observed		Corrected		1st beat	306th beat	Observed	Adopted
	Noon	10 p.m.	Noon	10 p.m.				
Nov. 1	s. +.01	s. -.01	s. -.07	s. -.06	h. m. s. 22 42 22.95	s. 23.77	s.	s. -4.475
2	-.01	-.05	-.06	-.06	46 19.47	20.29		-4.501
3	-.05	-.01	-.10	-.05	50 16.03	16.85		-4.521
4	-.01	-.01	-.07	-.09	54 12.60	13.42		-4.549
5	-.05	-.04	-.11	-.09	58 09.10	09.92	-4.574	-4.562
6	-.04	-.05	-.09	-.09	23 02 05.64	06.46		-4.579
7	-.03	-.02	-.10	-.08	06 02.18	03.00	-4.586	-4.587
8	.00	.00	-.07	-.07	09 58.68	59.50		-4.600
9	-.05	.00	-.08	-.08	13 55.25	56.07		-4.608
10	+.01	+.01	-.09	-.08	17 51.79	52.61	-4.620	-4.603
11	-.01	+.01	-.09	-.06	21 48.36	49.18	-4.581	-4.600
12	-.02		-.09		25 44.92	45.74		-4.599
13	+.02	-.01	-.08	-.09	29 41.46	42.28		-4.615
14					33 37.97	38.79		-4.628
15	-.03		-.09		37 35.57	36.39		-4.648
16	-.02	-.04	-.08	-.08	41 31.09	31.91	-4.671	-4.658
17	.00	-.03	-.11	-.10	45 27.68	28.50	-4.661	-4.661
18	-.10	-.04	-.10	-.10	49 24.26	25.08		-4.654
19	-.03		-.08		53 20.84	21.66		-4.644
20	-.05	.00	-.10	-.07	57 17.43	18.25		-4.637
21	-.02	.00	-.08	-.11	0 01 14.01	14.83	-4.623	-4.625
22	+.01	+.01	-.09	-.07	05 10.59	11.41		-4.613
23	+.01	-.01	-.10	-.09	09 07.13	07.95	-4.603	-4.594
24	-.01	-.01	-.09	-.11	13 03.69	04.51	-4.582	-4.591
25	-.02	-.03	-.08	-.07	17 00.23	01.05		-4.574
26	-.04	-.02	-.08	-.05	20 56.78	57.60		-4.563
27	-.03	-.04	-.06	-.04	24 53.32	54.14	-4.554	-4.553
28	-.03	.00	-.07	-.07	28 49.87	50.69		-4.541
29	+.04	+.02	-.05	-.05	32 46.45	47.27	+4.530	-4.528
30	+.04	+.06	-.04	-.04	36 43.00	43.82		-4.521
Dec. 1	+.03	+.06	-.08	-.02	0 40 39.49	40.31		-4.500
2	+.04	+.04	-.05	-.07	44 36.08	36.90	-4.483	-4.491
3	+.06	+.06	-.06	-.04				-4.489
4	+.05	+.05	-.08	-.06	52 29.24	30.06		-4.488
5	+.08	+.09	-.08	-.07				-4.501
6	+.14	+.17	-.04	-.01	1 00 22.41	23.23	-4.518	-4.502
7	+.13	+.11	-.02	+.01	04 19.01	19.83		-4.504
8	+.13	+.16	.00	+.02	08 15.60	16.42		-4.512
9	+.19		+.02					-4.517
10	+.23		-.01		16 08.70	09.52		-4.516
11	+.09		+.01		20 05.27	06.09		-4.516
12	+.07	+.11	+.04	+.01	24 01.81	02.63		-4.508
13	+.13	+.13	+.09	+.02	27 58.36	59.18		-4.500
14	+.03	+.11	+.05	-.01	31 54.89	55.71	-4.514	-4.505
15	+.17	+.16	+.07	+.08	35 51.45	52.27		-4.507
16	+.20	+.20	+.09	+.09	39 48.03	48.85		-4.482
17	+.20		+.08		43 44.57	45.39	-4.440	-4.457
18	+.13	+.12	+.04	+.01				-4.463
19	+.13	+.14	+.01	+.02	51 37.67	38.49		-4.397
20		+.14		+.04				-4.335
21	+.10		-.02					-4.343
22	+.08	+.19	-.06	+.04	2 03 27.37	28.19	-4.278	-4.252
23	+.05		.00		07 23.95	24.77		-4.215
24	+.09	+.11	+.02	+.05	11 20.48	21.30		-4.157
25		+.20		+.07	15 17.04	17.86		-4.117
26	+.10	+.12	+.05	+.09	19 13.57	14.39		-4.071
27	+.16		+.06		23 10.11	10.93		-4.057
28								-4.031
29	+.07		+.01		31 02.84	03.66	-3.969	-3.968
30	+.05	+.07	.00	+.02	34 59.79	00.61		-3.908
31		+.07		.00	38 56.34	57.16		-3.862

NAUEN

Time of 151st beat (G.C.T.)

Date 1926	151st beat	O-H	Date 1926	151st beat	O-H	Date 1926	151st beat	O-H
	0h 3m			0h 3m			0h 3m	
	s.	s.		s.	s.			
Jan. 1.....	25.87	-.06	Feb. 1....	25.88	.00	Mar. 1.....		
2.....	25.96	-.03	2....	25.91	+0.09	2.....		
3.....	25.98	-.01	3....	25.91	+0.07	3.....		
4.....	26.18		4....	25.86	+0.02	4.....		
5.....	25.80	-.18	5....	25.93	+0.07	5.....		
6.....	25.97	+0.01	6....	25.94	+0.08	6.....		
7.....	26.08	+0.03	7....	25.87	+0.02	7.....		
8.....	25.99	+0.04	8....	25.97	+0.09	8.....		
9.....			9....	26.02	+0.12	9.....		
10.....	25.88	.00	10....	26.02		10.....		
11.....	25.85	.00	11....	25.78		11.....		
12.....	27.40		12....			12.....		
13.....	25.70	+0.05	13....	25.86	+0.11	13.....		
14.....	25.83	+0.07	14....	25.86	+0.11	14.....		
15.....	25.75	-.03	15....	25.80	+0.08	15.....		
16.....	25.79	+0.09	16....	25.87	+0.15	16.....		
17.....	25.73	+0.05	17....	25.81	+0.05	17.....		
18.....			18....	25.80	+0.01	18.....		
19.....	25.81	+0.02	19....	25.94	+0.14	19.....		
20.....	26.76	+0.03	20....	25.86	+0.03	20.....		
21.....	26.72	-.03	21....	25.80	-.04	21.....		
22.....	25.87	+0.10	22....			22.....		
23.....	25.81	.00	23....	25.79	-.04	23.....		
24.....	25.72	-.04	24....	25.77	-.07	24.....		
25.....	25.76	-.01	25....	25.71	-.13	25.....		
26.....	25.78	+0.06	26....	25.68	-.10	26.....		
27.....	25.76	.00	27....			27....	26.92	+0.07
28.....	25.80	-.02	28....			28....	26.88	+0.08
29.....	25.85	-.01				29....	26.89	+0.08
30.....	25.99	+0.08				30....	27.77	+0.04
31.....	25.98	+0.04				31....		

NAUEN

Time of 151st beat (G.C.T.)

Date 1926	151st beat	O-H	Date 1926	151st beat	O-H	Date 1926	151st beat	O-H
	0h 3m			0h 3m			12h 3m	
	s.	s.		s.	s.		s.	s.
April 1.....	26.83	+01	May 1....	26.88	+04	June 1....	26.78	-06
2.....	26.95	+01	2....	26.72	-03	2....	26.86	-00
3.....	26.91	-02	3....	26.86	-02	3....	26.85	-01
4.....	26.98	-02	4....	26.73	00	4....	26.89	+01
5.....	27.07	+06	5....	26.76	00	5....	26.92	+02
6.....			6....	26.70	-01	6....	26.88	-02
7.....			7....	26.75	+01	7....	26.92	-01
8.....	26.83	+05	8.....			8....	26.92	-02
9.....	26.86	+06	9.....			9....	26.93	-03
10.....	27.01	+17	10.....			10....	26.81	-08
11.....	27.00	+16	11....	26.79	-02	11....	26.81	-06
12.....	26.88	+01	12.....			12....	26.76	-07
13.....	26.92	+03	13....	26.80	00	13....	26.83	-01
14.....	26.77	-08	14....	26.84	00	14....	26.77	-10
15.....	26.80	+02	15.....			15.....		
16.....	26.77	-02	16....	26.86	-03	16....	26.78	-08
17.....	26.81	+06	17.....			17....	26.82	-08
18.....	26.74	-03	18.....			18....	26.74	-12
19.....	26.72	-01	19.....			19....	26.73	-08
20.....	26.76	+08	20....	26.80	-04	20....	26.73	-09
21.....			21....	26.74	-06	21....	26.72	-14
22.....			22....	26.78	-10	22.....		
23.....			23....	26.75	-16	23....	26.75	-10
24.....	26.84	+06	24....	26.75	-06	24....	26.69	-15
25.....	26.93	+08	25....	26.83	-01	25....	26.73	-07
26.....	26.90	+07	26....	26.78	-05	26....	26.77	-06
27.....	26.93	+04	27.....			27....	26.68	-10
28.....	26.90	+01	28.....			28....	26.77	-02
29.....	26.96	+07	29.....			29....	26.69	-09
30.....	26.86	+05	30....	26.73	-11	30....	26.74	-05
			31....	26.71	-10			

NAUEN

Time of 151st beat (G.C.T.)

Date 1926	151st beat	O—H	Date 1926	151st beat	O—H	Date 1926	151st beat	O—H
	12h. 3m.			12h. 3m.			12h. 3m.	
	s.	s.		s.	s.		s.	s.
July 1.....	26.76	-.04	Aug. 1.....	26.76	-.03	Sept. 1.....	26.76	-.10
2.....	26.72	-.12	2.....	26.76	-.03	2.....	26.76	-.10
3.....	26.78	-.12	3.....	26.76	-.03	3.....	26.84	-.04
4.....	26.84	-.03	4.....	26.70	-.06	4.....	26.71	-.13
5.....	26.86	-.08	5.....	26.73	-.13	5.....	26.75	-.09
6.....	26.85	-.07	6.....	26.76	-.14	6.....	26.75	-.09
7.....	26.81	-.14	7.....	26.74	-.24	7.....	26.74	-.14
8.....	26.79	-.13	8.....	26.71	-.19	8.....	26.76	-.13
9.....	26.81	-.15	9.....	26.57	-.23	9.....	26.83	-.12
10.....	26.91	-.08	10.....	26.58	-.18	10.....	26.81	-.15
11.....	26.89	-.06	11.....	26.69	-.17	11.....	26.84	-.04
12.....	26.88	-.07	12.....	26.62	-.16	12.....	26.85	-.13
13.....	26.82	-.18	13.....	26.65	-.20	13.....	26.60	-.09
14.....	26.73	-.12	14.....	26.66	-.18	14.....	26.61	-.13
15.....	26.78	-.12	15.....	26.66	-.20	15.....	26.51	-.14
16.....	26.83	-.09	16.....	26.68	-.24	16.....	26.54	-.03
17.....	26.77	-.08	17.....	26.77	-.17	17.....	26.68	-.02
18.....	26.71	-.11	18.....	26.78	-.18	18.....	26.72	-.09
19.....	26.87	-.03	19.....	26.78	-.16	19.....	26.82	-.10
20.....	26.82	-.17	20.....	26.74	-.08	20.....	26.80	-.11
21.....	26.86	-.16	21.....	26.73	-.07	21.....	26.77	-.07
22.....	26.78	-.15	22.....	26.68	-.08	22.....	26.80	-.08
23.....	26.71	-.11	23.....	26.70	-.04	23.....	26.80	-.05
24.....	26.77	-.13	24.....	26.60	-.08	24.....	26.82	-.04
25.....	26.65	-.13	25.....	26.65	-.05	25.....	26.80	-.04
26.....	26.69	-.12	26.....	26.74	-.06	26.....	26.87	-.01
27.....	26.73	-.07	27.....	26.72	-.12	27.....	26.92	+0.02
28.....	26.76	-.07	28.....			28.....	26.91	-.02
29.....			29.....			29.....		
30.....			30.....			30.....		
31.....			31.....					

NAUEN

Time of 151st beat (G.C.T.)

Date 1926	151st beat		O—H	Date 1926	151st beat		O—H	Date 1926	151st beat		
	12h.	3m.			12h.	3m.			0h.	3m.	
	s.	s.			s.	s.			s.	s.	
Oct. 1.....	26.89		-.02	Nov. 1....	26.61		-.05	Dec. 1....	26.84		+ .01
2.....	26.73		-.01	2....	26.69		-.03	2....	26.81		+ .05
3.....	26.74		-.04	3....	26.72		.00	3....	26.75		+ .02
4.....	26.79		-.04	4.....	.....		.....	4....	26.68		-.08
5.....	26.80		-.04	5....	26.65		-.05	5....	26.68		-.09
6.....	26.98		+ .01	6....	26.73		-.02	6.....	.....		.....
7.....	26.94		+ .07	7....	26.68		-.09	7.....	.....		.....
8.....	26.81		+ .04	8....	26.78		-.03	8....	26.74		-.09
9.....	26.79		-.02	9....	26.76		-.07	9....	26.81		-.02
10.....	26.73		-.07	10....	25.79		-.09	10....	26.79		-.06
11.....	26.79		-.01	11....	25.81		-.05	11....	26.82		-.03
12.....	26.77		-.07	12....	26.67		+ .05	12....	26.91		+ .07
13.....	26.73		-.03	13....	25.78		-.05	13....	26.88		-.01
14.....	26.66		-.07	14.....	.....		.....	14....	26.86		+ .02
15.....	26.58		-.12	15....	25.72		-.10	15....	26.84		.00
16.....	26.65		-.09	16....	25.71		-.12	16....	26.83		-.02
17.....	26.52		-.10	17....	26.67		-.11	17.....	.....		.....
18.....	.....		.....	18....	26.71		-.06	18....	26.79		.00
19.....	26.59		-.08	19....	26.67		-.09	19.....	.....		.....
20.....	26.55		-.12	20....	26.69		-.11	20.....	.....		.....
21.....	26.61		-.13	21....	26.72		-.06	21....	26.70		-.05
22.....	26.59		-.09	22....	26.75		-.05	22.....	.....		.....
23.....	26.62		-.08	23....	26.79		-.04	23.....	.....		.....
24.....	26.60		-.13	24....	26.86		+ .03	24.....	.....		.....
25.....	26.69		-.06	25.....	.....		.....	25.....	.....		.....
26.....	26.76		-.06	26.....	.....		.....	26.....	.....		.....
27.....	26.84		-.12	27....	26.81		-.08	27.....	.....		.....
28.....	26.70		-.06	28....	26.95		+ .04	28.....	.....		.....
29.....	26.68		-.05	29....	26.88		+ .01	29.....	.....		.....
30.....	.....		.....	30....	26.88		+ .04	30.....	.....		.....
31.....	26.67		-.03					31.....	.....		.....

TABLE 1.—OTTAWA—WASHINGTON

—	1921	1922	1923	1924	1925	1926	Mean	ν
	s.	s.	s.	s.	s.	s.	s.	s.
January.....		+·052	+·042	—·036	+·025	—·022	+·012	+·032
February.....		+·054	—·018	—·022	—·049	+·001	—·007	+·013
March.....		+·064	—·018	—·017	—·007	—·019	+·001	+·021
April.....	+·048	+·013	—·045	—·046	+·005	+·009	—·003	+·017
May.....	—·010	—·064	—·031	—·034	+·055	+·005	—·013	+·007
June.....	—·087	—·037	—·061	—·028	+·002	+·010	—·034	—·014
July.....	—·030	—·074	—·051	—·020	—·006	—·050	—·038	—·018
August.....	—·047	—·068	—·071	—·030	—·005	—·079	—·050	—·030
September.....	—·050	—·053	—·060	—·029	—·005	—·047	—·041	—·021
October.....	+·030	—·027	—·038	—·040	—·004	—·053	—·022	—·002
November.....	—·028	—·078	—·063	—·043	+·036	—·080	—·043	—·023
December.....	+·026	—·034	—·018	+·008	+·028	+·007	+·003	+·023
Mean.....	—·016	—·021	—·036	—·028	+·006	—·026	—·020	

TABLE 2.—OTTAWA—PARIS

—	1921	1922	1923	1924	1925	1926	Mean	ν
	s.	s.	s.	s.	s.	s.	s.	s.
January.....		+·020		—·002	+·085	+·022	+·031	+·023
February.....		+·058		+·020	—·055	—·003	+·005	—·003
March.....		+·063	—·011	+·041	—·022	+·013	+·017	+·009
April.....	+·005	+·004	—·046	+·022	+·030	+·049	+·011	+·003
May.....	—·004	—·015	—·042	—·005	+·070	—·012	—·001	—·009
June.....	—·024	+·070	—·046	—·021	+·034	+·023	+·006	—·002
July.....	+·040	—·025	—·037	—·010	—·001	+·012	—·004	—·012
August.....	+·015	+·042	—·052	+·005	+·023	—·038	—·001	—·009
September.....	+·007	+·042	—·038	—·007	+·024	+·033	+·010	+·002
October.....	+·001	+·067	—·025	—·056	—·056	+·043	—·004	—·012
November.....	—·033	+·044	—·033	—·035	+·005	+·023	—·005	—·013
December.....	—·018	+·056	+·025	+·054	+·027	+·112	+·043	+·035
Mean.....	—·001	+·035	—·030	·000	+·014	+·023	+·008	

TABLE 3.—OTTAWA—HAMBURG

—	1924	1925	1926	Mean	ν
	s.	s.	s.	s.	s.
January.....		+·047	+·039	+·043	+·040
February.....		-·005	+·069	+·032	+·029
March.....		+·026	.....	+·026	+·023
April.....		+·061	+·067	+·064	+·061
May.....		+·058	-·009	+·024	+·021
June.....		+·031	-·030	·000	-·003
July.....		-·021	-·075	-·048	-·051
August.....	-·051	+·007	-·108	-·051	-·054
September.....	-·079	+·036	-·050	-·031	-·034
October.....	-·043	-·012	-·026	-·027	-·030
November.....	-·070	+·034	-·015	-·017	-·020
December.....	+·015	+·039	+·012	+·022	+·019
Mean.....	-·046	+·025	-·012	+·003	

TABLE 4.—WASHINGTON—PARIS

—	1921	1922	1923	1924	1925	1926	Mean	ν
	s.	s.	s.	s.	s.	s.	s.	s.
January.....		-·032	.....	+·034	+·060	+·044	+·026	-·003
February.....		+·004	.....	+·042	-·006	-·004	+·009	-·020
March.....		-·001	+·007	+·058	-·015	+·032	+·016	-·013
April.....	-·043	-·009	-·001	+·068	+·025	+·040	+·013	-·016
May.....	+·006	+·049	-·011	+·029	+·015	-·017	+·012	-·017
June.....	+·063	+·107	+·015	+·007	+·032	+·013	+·039	+·010
July.....	+·070	+·049	+·014	+·010	+·005	+·062	+·035	+·006
August.....	+·062	+·110	+·019	+·035	+·028	+·041	+·049	+·020
September.....	+·057	+·095	+·022	+·022	+·029	+·080	+·051	+·022
October.....	-·029	+·094	+·013	-·016	-·052	+·096	+·018	-·011
November.....	-·005	+·122	+·030	+·008	-·031	+·103	+·038	+·009
December.....	-·044	+·090	+·043	+·046	-·001	+·105	+·040	+·011
Mean.....	+·015	+·056	+·015	+·029	+·007	+·050	+·029	